



ROBUST & DURABLE STRONG OVER ANY REQUIREMENTS

For over 28 years, CEM, SHENZHEN EVERBEST MACHINERY INDUSTRY CO.,LTD has been a leading Chinese manufacturer specialized in Thermal imager, Infrared Thermometer, Digital Multimeter, Clamp-on Meter, Insulation Tester, Electrical Tester, Light Meter, Sound Level Meter, Thermo-Anemometer, Gas Detector, Manometer and Various measuring instruments.

More than 28 years of manufacturing experience has given us the confidence to guarantee the quality of all our exports. Our factory in Shenzhen China, occupies 3 buildings with area of 24,000.00 square meter. 2 R & D centers are on hand for customers' requirements, constantly working on new products to meet the ever changing demand of our customers' needs.

More than 1200 employees and five production departments ensure to provide prompt and timely delivery to our customers.

All our management is organized according to ISO9001. As a result, our products are approved by UL, GS, CE and RoHS. In 2009 CEM has passed medical ISO13485 quality certificate for medical products.

Let Everbest 28 years of export experience work for you. Find out more about our range of products and services. For inquiries, contact us now.

CEM



Thermal Imager



Digital Multimeter



Digital Clamp Meter



**InfraRed
Thermometer**



**Particle
Counter**



**Laser Distance
Meter**



RESEARCH & DEVELOPMENT

CEM engineers constantly work on innovative new products, that combine the features and functions that our customers asking for. Two R&D centers are on hand to meet the ever changing demand of customers' needs.





HEAD QUARTER

28 years of experience in the production and marketing, professional development, design and scientific management, created high-tech, high-precision instruments.

Constantly working on new products to meet the ever changing demand from our customers.



Timely after-sale service: according to the different needs and feedback of customers, CEM provide quality and technical support to ensure fast and effecient after-sale service channel. Customers' satisfaction is the most important thing for our long good business relations.

All our management is organized according to ISO9001. As a result, our products are approved by UL, GS, CE and RoHS. In 2009 CEM has passed medical ISO13485 quality certificate for medical products.



GS

ISO13485

ISO9001

FDA

CE

CE0197



MANUFACTURING PROCESS

All our management of production is organized according to ISO9001 & ISO13485. As a result, our products are approved by UL, GS, CE and RoHS.





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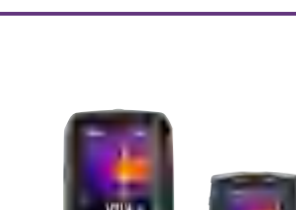
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Professional Digital Multimeters

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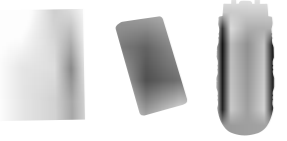
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307310

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Accessories

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**DT-9898/988A series
Professional Thermal Imagers**

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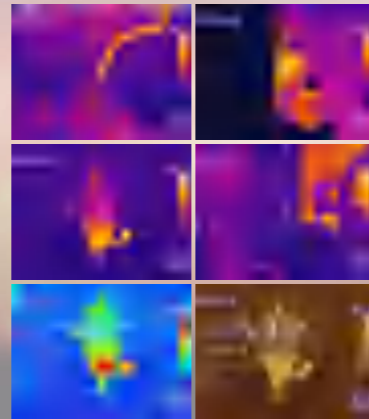


Wi-Fi Connectivity/
Bluetooth Communication



Model 988A

Model 9898



640x480 High Performance Thermal Imager with 3.5" high resolution TFT color LCD display
Built-in laser distance function
Capacitive touch screen is easier, productive and effective to operate it

Powerful Auto Fusion mode(AUF)
USB-mini, data transform between camera and PC
WiFi real time share, free Cloud storage and analyse

**BXL-500P Portable IR Calibrators
DT-835/8870 Heavy Duty Professional InfraRed Thermometers**

P51/72



Model 8870

Model 835

Model BXL-500P

Circular laser targeting
IP54 rated for dust/water proof
Rugged: 3 m (9.8 ft) drop tested
Hi and Lo alarm

Temperature Range 35°C ~ 500°C
TFT Color display with capacitive touch screen
Ethernet network interface

**DT-9331 series
Electrical Testers**

P219



Model 9331

Rugged, Double-Insulated Wire
LED Indication Range: 12 V to 1000 V dc and ac
LCD Indication Range: 6 V to 1000 V dc and ac
IP64 rating

Professional Thermal Imagers plus application

P153/99/97/195



Model 9581

Model 898A

Model 9889

Model 6509

DT-9581 Professional AC, AC/DC True RMS Clamp Meters with 80x80 InfraRed Thermal Imager
DT-9889 Professional True RMS Industrial Multimeter with InfraRed Thermal Imager
DT-898A True RMS Compact Multimeter with InfraRed Thermal Imager
DT-6509 3 in 1 Professional Insulation Tester with Thermal Imager & Micro-ohm meter

**DT-6508
2 in 1 Professional Insulation Tester**

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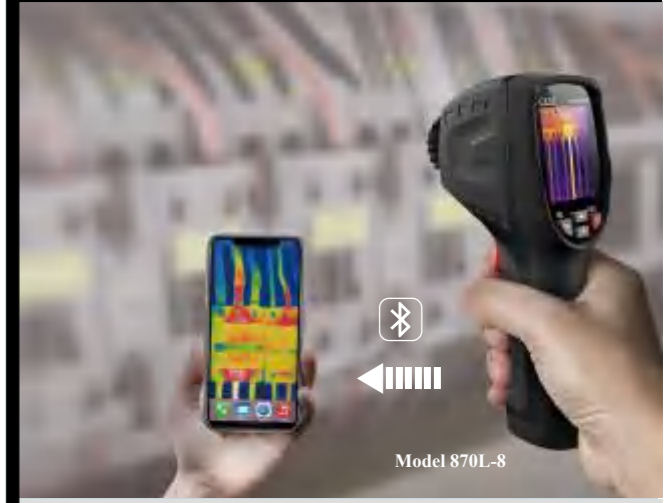
Model DT-320BS
3000A AC Flexible clamp
(optional)

Model 6508

Large 240 x 320 3.5" TFT color LCD display
Bluetooth (BLE) instant share function
AC, AC+DC true-RMS measurements & 1kHz ACV, ACA bandwidth

**DT-870L-8 Series
High Performance Thermal Imagers**

P33



Model 870L-8

Field of View 8x8°
Durable, withstand up to a 2m drop
50Hz fast frame rate, fast capture temperature varies
Simple operate, easy to use
Bluetooth interface

DT-7760
Three-phase Power Quality Analyzer with InfraRed Thermal Imager

P189



EMC
EN: 61326-1
EN: 61010-1

Model 7760

7760 Three-phase Power Quality and Energy Analyzer with InfraRed Thermal Imager offers the best in power quality analysis and the ability to monetarily quantify energy losses.

80x80 Infrared resolution
Bluetooth (BLE) instant share function
Power inverter efficiency
PowerWave data capture
Waveform capture
Automatic Transient Mode
Fully Class-A compliant

400Hz measurement
Troubleshoot
Automatic Trending
System-Monitor
Logger function
View graphs and generate reports

DT-6505 P197
Insulation Tester & High Resolution Low Ohm Meter with True RMS Multimeter



EMC
EN: 61326

Model 6505

Rugged, utility hard case
True-RMS & Data logged
200 mA Continuity & Low Ohm range measurement
Bluetooth interface

DT-896 Series P159
Compact Digital Multimeters



Model 896

240 x 320 2.4" TFT color LCD display
Record events and trends
True RMS measurements
Bluetooth interface

AC-15EX series P215
Non-Contact AC Voltage Detectors



Model AC-15EX

AC-15EX with ATEX certificate
Red/Green LED light and audible beeper indicator
Switchable audible and silent mode
CAT IV-1000V, IP67 Waterproof & 2m drop-proof

DT-9382/9282/9181 series AC, AC/DC True RMS Clamp Meters
DT-3398 Series CATIV 1000V 2000A AC, AC/DC True RMS Clamp Meters

P155/157/158



EMC
EN: 61326-1
EN: 61010-1

Model 9382
1000A AC, AC/DC True RMS
Clamp Meters series

Model 9282
600A AC, AC/DC True RMS
Clamp Meters series

Model 9181
400A AC, AC/DC True RMS
Clamp Meters series

Model 3398

9382 Series:
1.8" TFT color LCD display counts
AC True RMS
100mS Inrush current
Low input impedance prevents false readings due to "ghost voltage" (LoZ)

9282 Series:
OLED display
Low pass filter (VFD)
100mS Inrush current
LoZ Voltage measurement
Bluetooth interface

9181 Series:
4000 counts LCD Display
AC True RMS
Low pass filter (VFD)
100mS Inrush current

3398 Series:
CAT IV 1000V 2000A AC, AC/DC True RMS
Inrush current measurement
25th harmonic THDf / THDr
Low pass filter
Bluetooth interface

DT-965 Series P111
Heavy Duty Industrial Digital Multimeters



Model 965

IP67 Water & Dust proof
Heavy Duty and double molded plastic housing
Auto Range, True RMS, Flashlight
Bluetooth interface (965BT)
Backlight for LCD, Button, knob Switch

DT-390 series P132
AC True RMS Fork Clamp Meter With white LED Blacklight



Model 390

200A AC Current measurement
Display type(Negativity display)
Peak Value & Inrush Current
Backlight for button, knob Switch & Flashlight
Low Z & True RMS

DT-9519BT P123
Professional True RMS Digital Multimeters



3000A AC Flexible Clamp

True RMS



Model 320B

Model 9519BT

Large OLED display
Overvoltage LED indication
Low pass filter (VFD)
Bluetooth interface
Auto Range, True RMS

LDM-20S/25/50/280/380 series
Professional Laser Distance Meter of outdoor application

P233-242



These professional Laser Distance Meters are designed to give special users a high accuracy, one person distance measuring and estimating tool to measure remote and difficult reaching places. The LDM-H series enhanced the measurement ability of outdoor application. Shortcut keys for addition, subtraction, Pythagoras, area and volume calculation make measuring fast and very reliable. The last 20 measurements are also stored.

High Accuracy +/-1.5mm
IP54 water and dust proof
Meterbox iLDM & Cloud service(iLDM-H Series)

DT-379
Voltage Tester

P160



LCD/LED Indication
Vibration During Load & Beeper for Phase/ACV
Rotary Field Direction/ Single-Pole Phase Test

DT-8517
Smart Hot Wire Anemometer Meter with Thermocouple Thermometer

P288



2.4" TFT color display
Single-point and continuous data log options
Velocity alarm
A bluetooth telescopic probe
Type K/Type J input
Bluetooth interface with Smart phone APP

DT-8321 Temp. / Humidity & Dewpoint Meters
DT-269 Multi-function Environment Meter

P285/283



The Laboratory Hand-Held Temperature / Humidity & Dewpoint Meters measure dew point temperature accurately over a wide measurement range (8321)

DT-269 is a multi-function meter, with temperature and humidity detection, infrared temperature measurement, laser ranging, wood humidity measurement (probes and touch), flashlights, time settings and data recording and other functions.

DT-970 Series
True RMS Industrial Digital Multimeters

P127



Larger 50000 counts display with bargraph
9999 Readings memories
IP67 Waterproof and Bluetooth interface

DT-9507
AFCI, GFCI and AC Circuit Analyzer

P210



AFCI, GFCI and AC Circuit Analyzer
Hot, Neutral and Ground Impedance
Measure loaded and unloaded AC Line Voltage

DT-325B Series
Digit Hygro-Thermometers

P297



Indoor/Outdoor Hygro-Thermometer
Type-T probe input & longer cable length Thermometer
High accuracy & Alarm & Time

DT-986S Series
High Performance Thermal Imagers

P25



320x240 High Performance Thermal Imager with high resolution TFT screen
Powerful Auto Fusion mode(AUF)

T-10
Imager Thermometer

P37



206x156 or 320x240 Thermal Sensor
36°Field of View
<9 Hz Frame Rate

T-70
Handheld Thermal Imager

P35



384x288 focal plane array (FPA), uncooled microbolometer with Wi-Fi connectivity
USB-micro, data transform between camera and PC

DT-851G Series
Dew Point/ Wet Bulb/ Psychrometer

P278



Psychrometer with Mixing ratio
Dew Point/ Wet Bulb Temperature measure
Dual display with backlight
Bluetooth interface

BT-120
Automotive Battery Tester

P356



Battery testing ranges from 100 to 2000 CCA
Detect bad cells & Test deep discharge battery
Protect against reverse polarity

DT-188V/188GW
Vibration & Temperature Sensor with Gateway

P264



Wireless vibration & temperature MEMS sensor for remote condition monitoring with Wi-Fi /NB-IOT

DT-72A/72H/72TH/72S/72I/72MC/72MR
Environment Meter Probes with Bluetooth

P265



DT-72L DT-72MR DT-72MC DT-72TH DT-72H DT-72S DT-72A DT-72I

DT-72 series Environment Meter Probes are professionally designed with completely modern new outlooking. The whole series are equipped with Bluetooth, easy to transfer the measuring data to user's smart phone. Fulfill requirements of fast, easy and accurate measurement and data analysis.

EMF-8G/ DT-97U/93U/96/93HW
Environment Meter Probes with Bluetooth

P270



EMF-8G DT-97U DT-93U DT-96 DT-93HW

2" TFT color LCD display, Data transfer to PC via USB(CSV or EXCEL files), Chart function & Data-logger function
 DT-93U HCHO & TVOC & temperature & humidity meter.
 DT-97U high-precision CO2 and CO & temperature & humidity meter.
 DT-93HW is a Mini Hot Wire anemometer with temperature & humidity measurement.
 DT-96 Mini Particle Counter
 EMF-8G Multifunction EMF Meter

Leyu1/Leyu2/Leyu3
Non-Contact Clinical Forehead InfraRed Thermometers

P85



Non-contact Clinical Forehead Infrared Thermometer
 Fast sampling time
 Waterproof
 Safety, Anti-swallow & fall
 LED indication for temperature (Leyu2)
 Bluetooth Interface and Andriod/iOS APP software support

MT-1
Non-Contact Clinical Forehead InfraRed Thermometer with TDS/TVOC

P92



Non-Contact Clinical Forehead InfraRed Thermometer with TDS/TVOC
 White / Green / Red LED alarm display
 Fast response less than 1 second

DT-73AL/73E/73P/73S/73I/73TH/73G/73MR/73L/73C/73A
Mini Environment Meters

P273



DT-73AL DT-73E DT-73P DT-73S DT-73I DT-73TH DT-73G DT-73MR DT-73L DT-73C DT-73A

DT-73A mini anemometer with air velocity and temperature measurement.
 DT-73TH Humidity & AirTemperature meter.
 DT-73G real-time HCHO and TVOC meter.
 DT-73S mini noise sound level meter.
 DT-73L precision Light meter.
 DT-73C Carbon Monoxide Meter.
 DT-73AL Alcohol Tester
 DT-73E Electromagnetic Wave Tester
 DT-73P Pressure Meter
 DT-73MR Moisture Meter
 DT-73I InfraRed Thermometer
 Bluetooth interface (Optional)

Industrial-Commercial Thermal Imagers

The Thermal Imager is designed for Non-contact detection and calculation of apparent surface temperature, fully radiometric imagers are ideal for troubleshooting electrical systems, electro-mechanical equipment, process equipment, HVAC/R equipment and others.

CE EMC&LVD
 EN: 61326
 EN: 61010-1
 EN: 61010-02-032

- 640x480 3.5" TFT touch screen
- HDMI High resolution video output
- Built-in Laser distance meter
- Wi-Fi connectivity
- Transfers images and data to mobile devices to share reports and critical information quickly



Thermal Imagers Selection Guide

						
	DT-870 Series	DT-890 Series	DT-980 Series	DT-988 Series	DT-9875 Series	DT-9898 Series
IR resolution	102x77	206x156	160x120	384x288	384x288	640x480
	80x80	80x80	80x80	160x120	160x120	384x288
Field of View (FOV)	21°x21°	36°x27°	17°x17°	24.6°x19.8°	24.6°x18.6°	28°x21°
Display	2" 240x320	2" 240x320	2.8" 240x320	3.5" 320x240	3.5" 320x240	3.5" 640x480
Object temperature range	-20~380°C	-20~450°C	-20~650°C	-20~650°C	-20~800°C	-20~1500°C
Visible camera			5M	2M	0.3M	2M
WiFi connectivity			*	*		*
Bluetooth	*	*				
Video record			*	*	*	*
Features	Bluetooth Instant share	Bluetooth Instant share Long operate time	Auto fusion (AUF)	Auto fusion (AUF)	Touchscreen	Laser range finding function Autofocus Auto fusion (AUF) Touchscreen



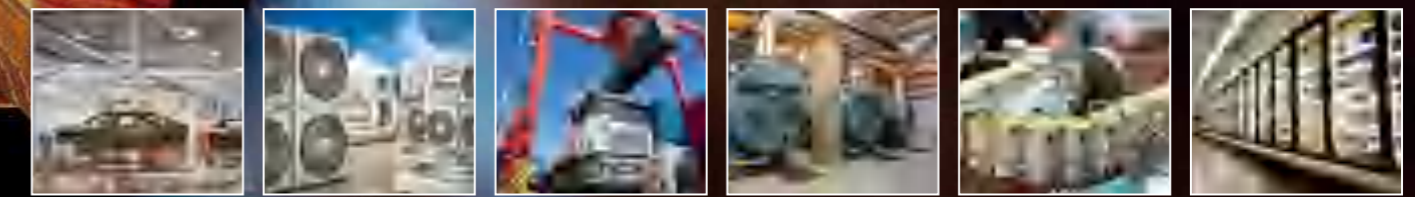
Professional Thermal Imagers

9896 Series new generation High Performance Thermal Imagers with powerful Auto Fusion mode(AUF). AUF is a dynamic image enhancement-algorithm for infrared cameras. 9896 Series are easy to help you to find the potential problems with innovation features and powerful Apps.

Key features

- 640x480 High Performance Thermal Imager with high resolution TFT color LCD display
- Built-in laser distance function
- Capture additional measurements fast and conveniently with wireless modules
- Find problems faster and easier with accurately identify potential issues by combining digital and IR images
- Picture in Picture function displays thermal image super-imposed over a digital image
- LED Flashlight allows the visual camera and fusion to be used in poorly lit environments
- ±2% Accuracy for reliable temperature measurement
- Capacitive touch screen is easier, productive and effective to operate it
- An easy-to-access thumbnail image gallery helps you to quickly review and find your thermal images.
- Powerful Auto Fusion mode(AUF)
- Equipped with standard video, USB outputs as well as a removable SD card.

Applications



Plant/General Maintenance

HVAC/R

Transportation/Automotive

Cooling and Reheating

Food service Equipment

Cold storage

Worldwide Patent:
PCT/CN2016/079015

IR resolution 640x480 (9898)
Auto Fusion mode (AUF)

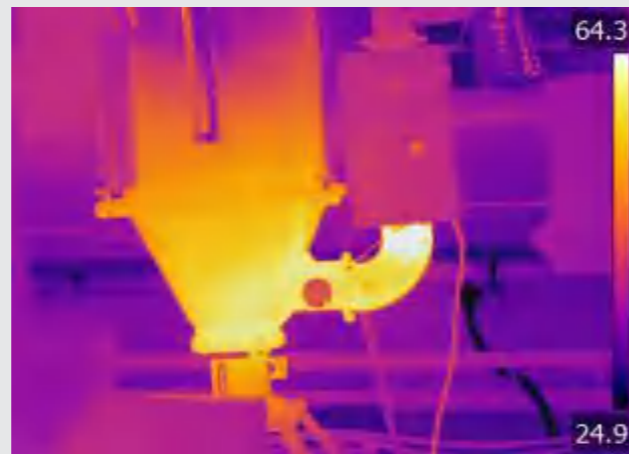
Auto focus
Laser distance meter function

WiFi connectivity

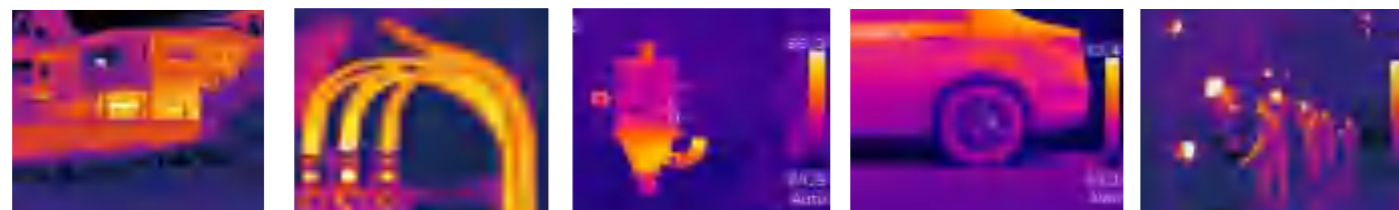
CE EMC
EN: 61326-1
EN: 61010-1



Model: 9898



Auto Fusion mode (AUF)
A dynamic image enhancement–algorithm for infrared cameras



Specifications	9896	9897	9898	
Imaging and optical data				
IR resolution	focal plane array (FPA), uncooled microbolometer	160x120	384x288	640x480
Field of View (FOV)	29.8° × 22.6°	29.8°x22.6°	24.6°x18.6°	28°x21°
Spatial resolution	(IFOV)	3.78mrad	1.15mrad	0.77mrad
Thermal sensitivity/NETD	< 0.05°C @ +30°C (+86°F) / 50 mK	*	*	*
Image frequency	50Hz	*	*	*
Focus	Manual	*	*	*
Laser range finding function	0.05 to 30m(0.15ft to 98ft) Typically: ±2mm(±0.06in)	*	*	*
Image presentation				
Display	3.5" 640x480TFT , capacitive touch screen	*	*	*
Image modes	IR image, visual image, picture in picture, AUF	*	*	*
Color palettes	GREY/GREY IRON/IRON/RAINBOW/FEATHER	*	*	*
Measurement				
Object temperature range	Low range: -20°C to +150°C (-4°F to +302°F) High range: 0°C to +650°C (+32°F to +1202°F) Extend to 1500°C (2732°F) (optional)	*	*	*
Accuracy	±2°C (±3.6°F) or ±2% of reading	*	*	*
Measurement analysis				
Emissivity adjustable	0.01~1.0 Adjustable	*	*	*
Automatic hot /cold detection	Auto hot or cold spotmeter marks line analyse,area analyse	*	*	*
Set-up				
Laser / floodlight	< class2 / white LED floodlight	*	*	*
Set-up commands	Local adaptation of units, language, date and time formats, information of camera	*	*	*
Language selection	English, Chinese, French, German, Spanish	*	*	*
Storage of videos/images				
Storage media	16Gbytes Micro SD card	*	*	*
Video storage format	Standard MPEG-4, 640x480@30fps, on memory card > 60 minutes	*	*	*
Image storage format	Standard JPEG, including measurement data, on memory card > 1000 pictures	*	*	*
Storage mode	IR/visual images; simultaneous storage of IR and visual images	*	*	*
Digital camera				
Built-in visible light digital camera	2M Pixels	*	*	*
Data communication interfaces				
USB interfaces	USB-micro, data transform between camera and PC remote control, live video	*	*	*
Wi-Fi connectivity	Wi-Fi connectivity allows to send images and data to mobile devices remote control, live video	*	*	*
Power system				
Battery	Lithium polymer battery, 4 hours operating time	*	*	*
Input voltage	DC 5V	*	*	*
Charging system	In camera (AC adapter)	*	*	*
Power management	Automatic shutdown and sleep mode (user selectable)	*	*	*

Size(HxWxD): 268mm x 100mm x 125mm Weight: 820g
Accessories: Carrying case, 7.5mm lens, Sun Visor, Tripod base, AC charger/Power supply, Battery, software CD-ROM, Handstrap, micro SD card, USB cable & RCA cable, Gift box.



- Temperature range from 600°C to 2000°C
- Wide dynamic CMOS sensor
- Little radiometric effect for Short wave detector
- Remote control by local network
- Normal image processing software
- Thermal imaging through the glass or quartz windows

Applications

- Chemical Process Detection
- Metal-making Process Detection
- Glass-making Process Detection
- Paper-making Process Detection
- Thermal imager inspection for High temperature industrial furnace
- Impurity detection for molten metal
- Fire protection & Forest fire prevention
- Rocket tracking

CE
EMC
EN: 61326-1
EN: 61010-1

DB-740 Short wave thermal imager is high performance for 800-1100nm infrared image, which is for temperature measurement above 600°C. Short wave thermal imager is widely used for continuous inspection of High temperature industrial furnace, such as petrochemical industry, paper pulp & papermaking etc.

Features

- High resolution 640x512 pixels
- Wide Temperature Range from 600 to 2000°C targeting electrical and industrial applications
- ±2% Accuracy for reliable temperature measurement
- Thermal imaging through the glass or other transparent medium
- HDMI output
- Capacitive touch screen is easier, productive and effective to operate it
- Lithium polymer Rechargeable Battery lasts >4hrs continuous use; replaceable
- High performance with built-in Linux system

Specifications

Imaging and Optical Data	
Field of view (FOV) / Minimum focus distance	22°x 17.6°
Spatial resolution (IFOV)	0.6mrad
Thermal sensitivity/NETD	< 1°C @ +600°C
Image frequency	30Hz
Focus mode	Fixed
Focal length	25mm
Focal Plane Array (FPA) / Spectral range	Wide Dynamic Range CMOS / 0.8-1.1 μm
IR resolution	640 × 512 pixels
Image presentation	
Display	Capacitive Touch screen, 3.5 in. LCD, 640 × 480 pixels
Image modes	IR image
Color palettes	IRON, Rainbow, Grey, GreyInverted, Sepia, Blue_Red, Hot_Cold, Humidity
Measurement	
Object temperature range	600°C to 2000°C (1112°F to +3632°F)
Accuracy	±2°C (±3.6°F) or ±2% of reading
Measurement Analysis	
Spotmeter	3
Line	2 lines(horizontal and vertical)
Area	3 boxes with max. /min. /average
Automatic hot /cold detection	Auto hot or cold spotmeter markers
Emissivity correction	Variable from 0.01 to 1.0
Measurement corrections	Emissivity, ambient temperature, distance, relative humidity, offset temperature
Storage of videos	
Storage media	4Gbytes Micro SD card
Video storage format	Standard MPEG-4, 640x480@30fps, on memory card >60 minutes
Video storage mode	IR/visual images; simultaneous storage of IR and visual images
Storage of images	
Image storage format	Standard JPEG, including measurement data, on memory card >1000 pictures
Image storage mode	IR images
Set-up	
Set-up commands	Local adaptation of units, language, date and time formats, information of camera
Languages	multinational
Data communication interfaces	
Interfaces	USB-mini, audio, HDMI video, Micro SD slot
USB	Data transform between camera and PC
Video out	HDMI
Power system	
Battery	lithium polymer battery, 4.5 hours operating time
Input voltage	DC 9V to 12V
Charging system	In camera (AC adapter)
Power management	Automatic shutdown and sleep mode (user selectable)

Size(HxWxD): 243mm x 103mm x 160mm

Weight: 920g

Accessories: Lens, Battery, software, USB cable, Gift box.



Model: 740





Model: 9885

CE
EMC
EN: 61326-1
EN: 61010-1

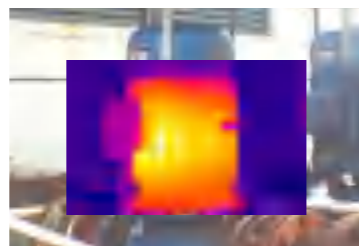
The Thermal Imager is designed for Non-contact detection and calculation of apparent surface temperature, and the thermal image creation is based on the temperature variation. Imager Thermometers provide fast and accurate readings for most surface temperature measurements with TFT color LCD display & Imager Video format. Built for tough work environments, these high-performance, fully radiometric imagers are ideal for troubleshooting electrical systems, electro-mechanical equipment, process equipment, HVAC/R equipment and others.

Key features

- 384x288 High Performance & high resolution Thermal Imager with TFT color LCD display (9885/9887)
- 160x120 High Performance Thermal Imager with high resolution TFT color LCD display (9873 Series)
- Professional IR-optical focus system ensures that images are in good focus for optimum image clarity and scanning convenience.
- Capture additional measurements fast and conveniently with wireless modules (9887 only)
- Meterbox analysis system—quickly identify and keep track of inspection locations by adding digital images of important information and surrounding areas
- Find problems faster and easier with accurately identify potential issues by combining digital and IR images
- Picture in Picture function Displays thermal image super-imposed over a digital image
- LED Flashlight allows the visual camera and fusion to be used in poorly lit environments
- Wide Temperature Range from -20 to +400°C targeting electrical and industrial applications
- ±2% Accuracy for reliable temperature measurement
- The image rotation has the ability to automatically rotate the active image
- Audio recorded with the video image acts a speaker to listen to audio recorded with the video image
- Capacitive touch screen is easier, productive and effective to operate it
- Lithium polymer Rechargeable Battery lasts >4hrs continuous use; replaceable
- An easy-to-access thumbnail image gallery helps you to quickly review and find your thermal images.
- Area (Min/Max) mode shows the Minimum or the Maximum Temperature reading in the selected area
- A conveniently located button activates the laser pointer that will help you associate the hot or cold spot in the thermal image with the real physical target in the field.
- In order to adapt the device to every situation, both wide angle and tele-lenses are available.
- Equipped with standard video, USB outputs as well as a removable SD card.
- The IR video can be streamed to a PC via USB or wifi (DT-9887 only).



Full Infrared



Picture-in-Picture



Color Alarm



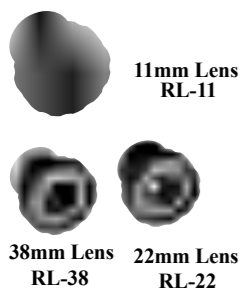
Full visible light



Model: 9887

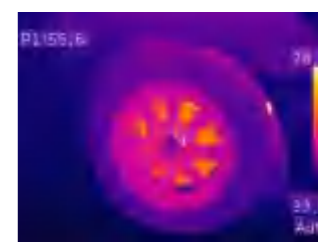
Wi-Fi

Wi-Fi Connectivity/
Bluetooth Communication



Size(HxWxD): 243mm x 103mm x 160mm **Weight:** 920g
Accessories: Hard transport case, 22mm lens, Sun Visor, Tripod base, AC charger/Power supply, Battery, Camera lens cap, software CD-ROM, Handstrap, micro SD card, USB cable & RCA cable, Gift box.

Specifications	9871	9873B	9873	9875	9877	9885	9887
Imaging and optical data							
IR resolution	160x120pixels, focal plane array (FPA), uncooled microbolometer	80x80	*	*	*	*	384x288
Field of View (FOV)	29.8° × 22.6°	17°x17°	*	*	*	*	24.6°x 18.6°
Minimum focus distance	0.2m (0.66ft.)	0.3m (0.99ft.)	*	*	*	*	*
Spatial resolution	(IFOV) 3.33 mrad	3.78mrad	*	*	*	*	2.28 mrad
Thermal sensitivity/NETD	< 0.08°C @ +30°C (+86°F) / 80 mK	< 0.1°C	*	*	*	*	*
Image frequency	50Hz	*	*	*	*	*	*
Focus	Manual	*	*	*	*	*	*
Zoom	1-20x continuous, digital zoom	*	*	*	*	32x	32x
Rotate	0-360°, continuous change by 1°	*	*	*	*	*	*
Image presentation							
Display	3.5" TFT , capacitive touch screen	*	*	*	*	*	*
Image modes	IR image, visual image, picture in picture	IR image only	*	*	*	*	*
Picture in Picture	IR area on visual image or visual image area on IR	None	*	*	*	*	*
Color palettes	GRAY/GRAY IRON/IRON/RAINBOW/FEATHER	*	*	*	*	*	*
Measurement							
Object temperature range	Low range: -20°C to +150°C (-4°F to +302°F) High range: 0°C to +400°C (+32°F to +752°F)	*	*	*	*	*	*
Accuracy	±2°C (±3.6°F) or ±2% of reading	*	*	*	*	*	*
Measurement analysis							
Spotmeter	3	*	*	*	*	*	*
Emissivity adjustable	0.01~1.0 Adjustable	*	*	*	*	*	*
Emissivity table	Emissivity table of predefined materials	*	*	*	*	*	*
Line	2 lines(horizontal and vertical)	None	*	*	*	*	*
Area	3 boxes with max. /min. /average	None	*	*	*	*	*
Automatic hot /cold detection	Auto hot or cold spotmeter marks	*	*	*	*	*	*
Isotherm	Detect high/low temperature/interval	None	*	*	*	*	*
Measurement corrections	Emissivity, ambient temperature, distance, relative humidity, offset temperature	*	*	*	*	*	*
Set-up							
Laser / floodlight	< class2 / white LED floodlight	None	*	*	*	*	*
Set-up commands	Local adaptation of units, language, date and time formats, information of camera	*	*	*	*	*	*
Language selection	English, Chinese, French, German, Spanish	*	*	*	*	*	*
Storage of videos/images							
Storage media	4Gbytes Micro SD card	*	*	*	*	*	*
Video storage format	Standard MPEG-4, 640x480@30fps, on memory card > 60 minutes	*	*	*	*	*	*
Image storage format	Standard JPEG, including measurement data, on memory card > 1000 pictures	*	*	*	*	*	*
Storage mode	IR/visual images; simultaneous storage of IR and visual images	IR image only	*	*	*	*	*
Digital camera							
Built-in visible light digital camera	640x480 Pixels	None	*	*	*	*	*
Data communication interfaces							
USB interfaces	USB-mini, data transform between camera and PC remote control, live video	*	*	*	*	*	*
Wi-Fi connectivity	Wi-Fi connectivity allows to send images and data to mobile devices remote control, live video	None	*	*	*	*	*
Video out	Composite(PAL and NTSC)	*	*	*	*	*	*
Power system							
Battery	Lithium polymer battery, 4 hours operating time	*	*	*	*	*	*
Input voltage	DC 9V to 12V	*	*	*	*	*	*
Charging system	In camera (AC adapter)	*	*	*	*	*	*
Power management	Automatic shutdown and sleep mode (user selectable)	*	*	*	*	*	*
Environmental data							
Encapsulation	IP65	*	*	*	*	*	*
Drop test	2m	*	*	*	*	*	*



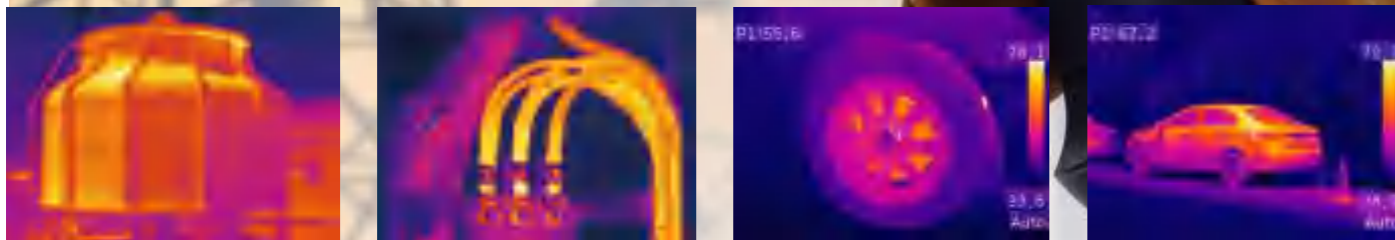
High Performance Thermal Imagers

988A Series new generation High Performance Thermal Imagers are compact design with powerful Auto Fusion mode(AUF), AUF is a dynamic image enhancement-algorithm for infrared cameras. 988A Series are easy to help you to find the potential problems with innovation features and powerful Apps.



Compact design IR resolution 384x288 (988A)
Wi-Fi connectivity

CE EMC
EN: 61326-1
EN: 61010-1



Key features

- 384x288 High Performance Thermal Imager with high resolution TFT color LCD display (988C)
- Smart design with big screen occupation ratio
- Capture additional measurements fast and conveniently with wireless modules
- Find problems faster and easier with accurately identify potential issues by combining digital and IR images
- Image fusion function displays thermal image super-imposed over a digital image
- An easy-to-access thumbnail image gallery helps you to quickly review and find your thermal images.
- Powerful Auto Fusion mode(AUF)
- Equipped with standard video, USB outputs as well as a removable SD card.



Specifications		988A	988B	988C
Imaging and optical data				
IR resolution	focal plane array (FPA), uncooled microbolometer	80x80	160x120	384x288
Field of View (FOV)	29.8° × 22.6°	17°x17°	29.8°x22.6°	24.6°x18.5°
Spatial resolution (IFOV)		3.77mrad	3.33mrad	1.15mrad
Thermal sensitivity/NETD	< 0.05°C @ +30°C (+86°F) / 50 mK	*	*	*
Image frequency	50Hz	*	*	*
Focus	Manual	*	*	*
Image presentation				
Display	3.5" 320x240 TFT	*	*	*
Image modes	IR image, visual image, picture in picture, AUF	*	*	*
Color palettes	GREY/GREY IRON/IRON/RAINBOW/FEATHER	*	*	*
Measurement				
Object temperature range	Low range: -20°C to +150°C (-4°F to +302°F) High range: 0°C to +650°C (+32°F to +842°F)	*	*	*
Accuracy	±2°C (±3.6°F) or ±2% of reading	*	*	*
Measurement analysis				
Emissivity adjustable	0.01~1.0 Adjustable	*	*	*
Automatic hot /cold detection	Auto hot or cold spotmeter marks	*	*	*
Set-up				
Laser / floodlight	< class2 / white LED floodlight	*	*	*
Set-up commands	Local adaptation of units, language, date and time formats, information of camera	*	*	*
Language selection	English, Chinese, French, German, Spanish	*	*	*
Storage of videos/images				
Storage media	4Gbytes eMMC	*	*	*
Video storage format	Standard MPEG-4, 640x480@30fps, on memory card > 60 minutes	*	*	*
Image storage format	Standard JPEG, including measurement data, on memory card > 1000 pictures	*	*	*
Storage mode	IR/visual images; simultaneous storage of IR and visual images	*	*	*
Digital camera				
Built-in visible light digital camera	2M Pixels	*	*	*
Data communication interfaces				
USB interfaces	USB-micro, data transform between camera and PC remote control, live video	*	*	*
Wi-Fi connectivity	Wi-Fi connectivity allows to send images and data to mobile devices remote control, live video	*	*	*
Power system				
Battery	Lithium polymer battery, 4 hours operating time	*	*	*
Input voltage	DC 5V	*	*	*
Charging system	In camera (AC adapter)	*	*	*
Power management	Automatic shutdown and sleep mode (user selectable)	*	*	*

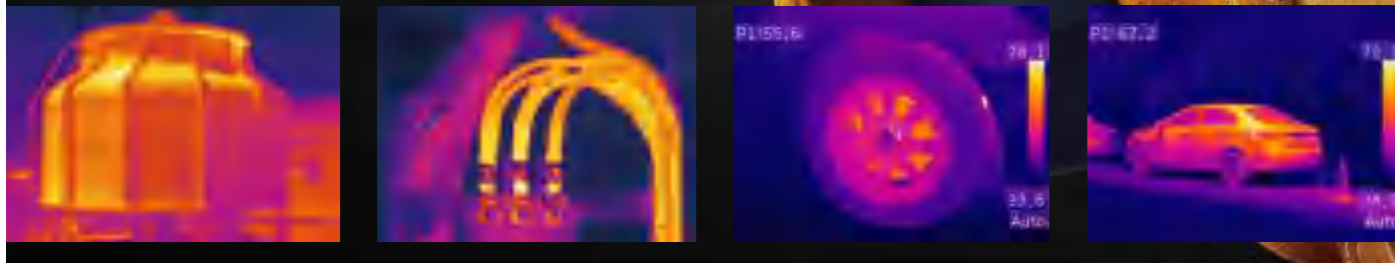
Size(HxWxD): 228mm x 100mm x 98mm Weight: 520g

Accessories: Hard transport case, 7.5mm lens, Sun Visor, Tripod base, AC charger/Power supply, Battery, software CD-ROM, Handstrap, micro SD card, USB cable & RCA cable, Gift box.

High Performance Thermal Imagers



CE EMC
EN: 61326-1
EN: 61010-1



Key features

- 320x240 High Performance Thermal Imager with high resolution TFT screen
- Smart design with big screen occupation ratio
- Capture additional measurements fast and conveniently with wireless modules
- Find problems faster and easier with accurately identify potential issues by combining digital and IR images
- Image fusion function displays thermal image super-imposed over a digital image and easy-to-access thumbnail image gallery helps you to quickly review and find your thermal images.
- Powerful Auto Fusion mode(AUF)
- Equipped with standard video, USB outputs as well as a removable SD card.
- Realtime analyse and picture analyse function



Model: 986

Specifications		986	986S
Imaging and optical data			
IR resolution	focal plane array (FPA), uncooled microbolometer	205x156	320x240
Field of View (FOV)	29.8° × 22.6°	36°x27°	36°x27°
Spatial resolution (IFOV)		3mrad	3mrad
Thermal sensitivity/NETD	< 0.05°C @ +30°C/(+86°F) < 0.1°C/100mK	*	*
Image frequency	9Hz	*	*
Focus	Focus free	*	*
Image presentation			
Display	3.5" 320x240 TFT	*	*
Image modes	IR image, visual image, picture in picture, AUF	*	*
Color palettes	GREY/GREY IRON/IRON/RAINBOW/FEATHER	*	*
Measurement			
Object temperature range	Low range: -20°C to +330°C (-4°F to +302°F)	*	*
Accuracy	±5°C (±3.6°F) or ±3% of reading	*	*
Measurement analysis			
Emissivity adjustable	0.01~1.0 Adjustable	*	*
Automatic hot /cold detection	Auto hot or cold spotmeter marks	*	*
Set-up			
Laser / floodlight	< class2 / white LED floodlight	*	*
Set-up commands	Local adaptation of units, language, date and time formats, information of camera	*	*
Language selection	English, Chinese, French, German, Spanish	*	*
Storage of videos/images			
Storage media	4Gbytes eMMC	*	*
Video storage format	Standard MPEG-4, 640x480@30fps, on memory card > 60 minutes	*	*
Image storage format	Standard JPEG, including measurement data, on memory card > 1000 pictures	*	*
Storage mode	IR/visual images; simultaneous storage of IR and visual images	*	*
Digital camera			
Built-in visible light digital camera	2M Pixels	*	*
Data communication interfaces			
USB interfaces	USB-micro, data transform between camera and PC remote control, live video	*	*
Wi-Fi connectivity	Wi-Fi connectivity allows to send images and data to mobile devices remote control, live video	*	*
Power system			
Battery	Lithium polymer battery, 4 hours operating time	*	*
Input voltage	DC 5V	*	*
Charging system	In camera (AC adapter)	*	*
Power management	Automatic shutdown and sleep mode (user selectable)	*	*

Size(HxWxD): 228mm x 100mm x 90mm Weight: 520g

Accessories: Hard transport case, 7.5mm lens, Sun Visor, Tripod base, AC charger/Power supply, Battery, software CD-ROM, Handstrap, micro SD card, USB cable & RCA cable, Gift box.

The Thermal Imager is designed for Non-contact detection and calculation of apparent surface temperature, fully radiometric imagers are ideal for troubleshooting electrical systems, electro-mechanical equipment, process equipment, HVAC/R equipment and others.






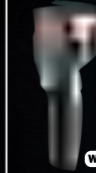



Auto Fusion mode (AUF)
80x80 pixels, FPA, uncooled microbolometer
Annotate images with Voice
Picture in Picture
32X Continuous Zoom
5 Megapixels Digital camera

HDMI High resolution video output
Built-in 100M Memory for 80 pictures or one minute video record
Wi-Fi connectivity
Transfers images and data to mobile devices to share reports and critical information quickly



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EN: 61326-1
EN: 61010-1

Thermal Imagers Selection Guide

									
Model number	DT-982H	DT-982L-8	DT-982	DT-982RH	DT-980H	DT-980A	DT-980L-8	DT-980	DT-980B
IR resolution	160x120	160x120	160x120	160x120	80x80	80x80	80x80	80x80	80x80
Field of View (FOV)	22.6° x 29.8°	12° x 9°	22.6° x 29.8°	22.6° x 29.8°	17° x 17°	17° x 17°	8° x 8°	17° x 17°	21° x 21°
IIFOV	3.33mrad	1.31mrad	3.33mrad	3.33mrad	3.77mrad	3.77mrad	1.79mrad	3.77mrad	4.53mrad
Display	2.8" 240x320								
Object temperature range	-20~650°C	-20~350°C	-20~350°C	-20~350°C	-20~650°C	-20~350°C			
Visible camera	5M (IR fusion, AUF)								
WiFi						*			
Video record	*	*	*	*	*	*	*	*	*
Probe air Temp. & %RH				*					

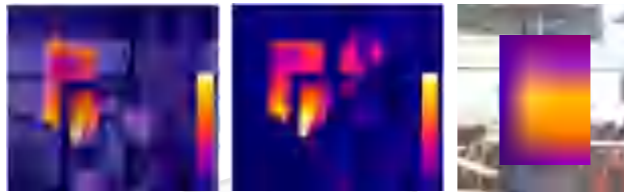
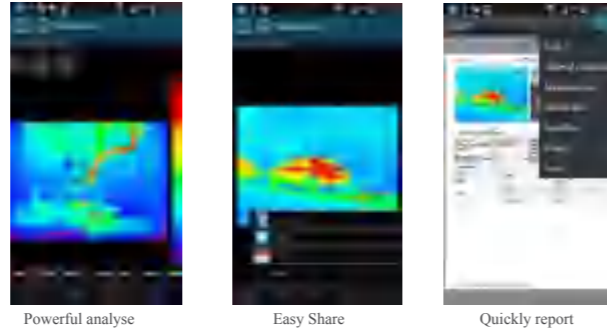
980 (80x80), 982 (160x120) Thermal Imagers are designed to make your work easier, more productive and effective. 980 series have power auto fusion mode which is a dynamic image enhancement-algorithm for infrared cameras. 160 × 120 resolution at 50 Hz for real-time capture; Temperature range from -20°C to 650°C (-4°F to 1202°F), 32X continuous zoom, picture-in-picture, voice comment recording and text annotation on images. Hot/Cold spot marker automatically finds the hottest and coldest spots. It includes memory card, Lithium polymer battery & power supply, and USB cable. Wi-Fi connectivity allows the Infrared Thermal Camera to send images and data to mobile devices.



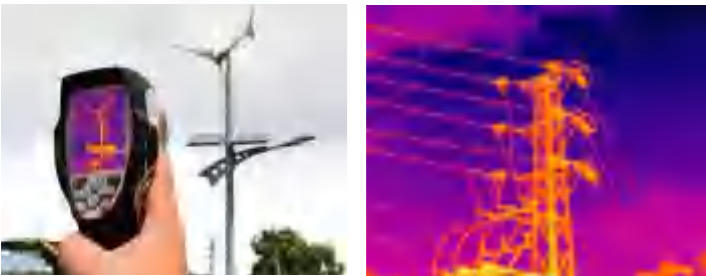
Auto Fusion mode (AUF)
Realtime Wi-Fi analyse



Model: 982



Auto Fusion mode (AUF)
A dynamic image enhancement-algorithm for infrared cameras



Product characteristics

High Resolution IR Images	19,200 pixels (160x120) Infrared resolution(982)
Visible Light Digital Camera	5 Megapixels Digital camera resolution with flash provides sharp images regardless of lighting conditions
Picture in Picture	Displays thermal image super-imposed over a digital image
LED Flashlight	Allows the visual camera and fusion to be used in poorly lit environments
Wide Temperature Range	From -20 to +650°C targeting electrical and industrial applications
±2% Accuracy	reliable temperature measurement
Thumbnail view	Easy to view and analyze images quickly
Audio recorded with the video image	A speaker to listen to audio recorded with the video image
Li-Ion Rechargeable Battery	Lasts >4hrs continuous use; replaceable
HDMI	HDMI High resolution video output
Inside 100M Memory	About 80pictures or one minute video record
Copy to USB	Easy uploads images from camera to USB memory card
Area (Min/Max) Mode	Shows the Minumum or the Maximum Temperature reading in the selected area
Wi-Fi connectivity	Transfers images and data to mobile devices to share reports and critical information quickly (DT-980A only)
Auto Fusion mode	AUF is a dynamic image enhancement-algorithm for infrared cameras



Worldwide Patent:
PCT/CN2016/079015



Wi-Fi Connectivity/
Bluetooth Communication

Model: 980A

Specifications	980B	980	980A	980L-8	982	982L-8
Imaging and optical data						
IR resolution	80×80 pixels		120×160 pixels			
Focal Plane Array (FPA) / Spectral range	Uncooled microbolometer / 8–14 μm					
Focal length	7.5mm	9mm				
Field of View (FOV)	21x21°	17x17°	17x17°	8x8°	22.6x29.8°	12x9°
Minimum focus distance	0.2m					
Spatial resolution	4.53mrad	3.77mrad		1.79mrad	3.33mrad	1.31mrad
Thermal sensitivity/NETD	< 0.08°C /80mK			< 0.06°C /60mK		
Image frequency	50Hz					
Focus	Manual					
Zoom	1-32x continuous, digital zoom					
Image presentation						
Image modes	IR image		IR image, visual image, picture in picture, AUF			
Picture in Picture	IR area on visual image					
Color palettes	IRON/Rainbow/Grey/Grey Inverted					
Measurement						
Object temperature range	-20 to 150°C (-4 to 302°F) 0 to 350°C (32 to 662°F) extended to -20 to 650°C (980H)		-20 to 150°C (-4 to 302°F) 0 to 350°C (32 to 662°F) extended to -20 to 650°C (982H)			
Accuracy	±2°C (±3.6°F) or ±2% of reading					
Measurement analysis						
Spotmeter	Center Spot, Auto hot or cold markers					
Set-up						
Language selection	English, Chinese, French, German, Spanish					
Storage of videos/images						
Inside Memory / Storage media	100M bytes, 80pictures or one minute video record / 8G Micro SD card					
Video storage format	Standard MPEG-4, 1280x960@30fps, on memory card > 60 minutes					
Image storage format	Standard JPEG, including measurement data, on memory card > 1000 pictures					
Digital camera						
Built-in visible light digital camera						5 Megapixels; 59°
Data communication interfaces						
Interfaces & Video output	USB-micro, audio, HDMI					
USB	Data & Live video transform between camera and PC or smartphone					
WIFI						
Live video between device and PC	None	Yes	None			
Transfer images and data to mobile devices	None	Yes	None			
Power system						
Battery / Input voltage / Laser	Li-ion battery, 4 hours operating time / DC 5V / < 1mW					

Size(HxWxD): 224mm x 77mm x 96mm Weight: 500g
Accessories: Lens, Earphone(Optional), Battery, software CD-ROM, Wrist strap, micro SD card, Adaptor, USB cable & HDMI cable (Optional), Gift box.

High Performance Thermal Imagers

890 (80x80), 891(160x120), 892 (206x156) Thermal Imagers are designed to make your work easier, more productive and effective. 160x120 resolution at 50 Hz for real-time capture; Temperature range from -20°C to 450°C (-4°F to 842°F). Hot/Cold spot marker automatically finds the hottest and coldest spots. It includes memory card, Lithium polymer battery & power supply, and USB cable. Bluetooth connectivity allows the Infrared Thermal Camera to send data to mobile devices.

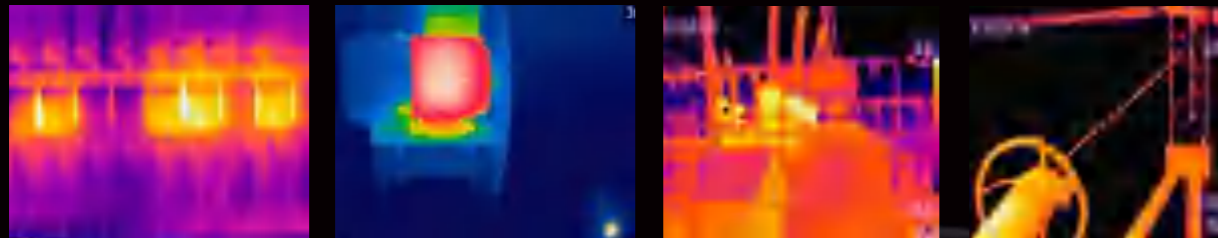


206x156

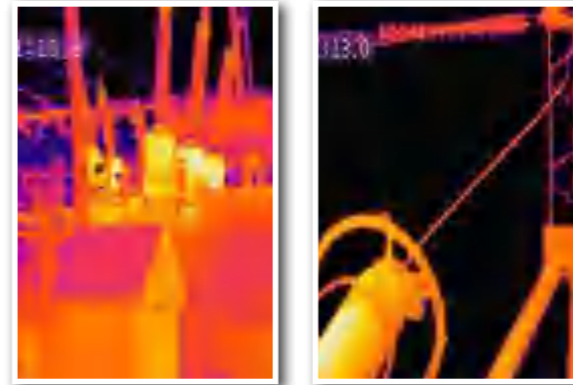
IR resolution
206x156 pixels (892 only)

NETD
<0.1°C

Thermal sensitivity
<0.1°C (0.18°F) @ 30°C



890 (80x80), 891(160x120), 892 (206x156) Thermal Imagers are designed to make your work easier, more productive and effective. 160x120 resolution at 50 Hz for real-time capture; Temperature range from -20°C to 450°C (-4°F to 842°F). Hot/Cold spot marker automatically finds the hottest and coldest spots. It includes memory card, Lithium polymer battery & power supply, and USB cable. Bluetooth connectivity allows the Infrared Thermal Camera to send data to mobile devices.



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Model: 890



Model: 891

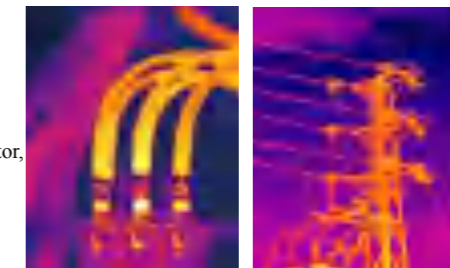


Model: 892

Specifications	890	891	892
Imaging and Optical Data			
Field of View	21x21	31x23	36x27
Spatial Resolution	4.53mrad	3.33mrad	3mrad
NETD	<0.1°C@30°C(80°F)/100mK	*	*
Image Frequency	50Hz	*	9Hz
Focus Mode	Focus free	*	*
Focal Plane Array(FPA)/Spectral Range	Uncooled microbolometer/8-14um	*	*
IR Resolution	80x80	160x120	206x156
Image Presentation			
Display	2" TFT LCD, 240x320 pixels	*	*
Color Palettes	IRON, RainBow, Grey, GreyInverted	*	*
Measurement			
Object Temperature Range	-20°C to 450°C (-4°F to 842°F)	*	*
Accuracy	±2°C(+/- 3.6°F) or ±2% of reading	*	*
Measurement Analysis			
Spotmeter	Center Spot	*	*
Automatic Hot/Cold Detection	Auto hot or cold markers	*	*
Emissivity Correction	8 pre-define level and Variable from 0.01 to 1.0	*	*
Storage of Images		*	*
Storage Media	8 Gbytes Micro SD card	*	*
Image Storage format	Bitmap(BMP),including measurement data.	*	*
Data Communication Interfaces			
Interfaces	USB-micro, Data transform between camera and PC	*	*
Bluetooth		*	*
Power System			
Battery	Li-ion battery, 8 hours operating time	*	*
Input Voltage	DC 5V	*	*
Charging System	In camera(AC adapter)	*	*
Power Management	Automatic shutdown	*	*
Environmental Data			
Operating Temperature Range	-20°C to 50°C (-4°F to 122°F)	*	*
Storage Temperature Range	-40°C to 70°C (-40°F to 158°F)	*	*
Humidity(operating and storage)	10% to 90%	*	*
Drop test	2m	*	*

Size(HxWxD): 180mm x 58mm x 70mm
Weight: 480g

Accessories: Lens, Battery, software
CD-ROM, Wrist strap, micro SD card, Adaptor,
USB cable, Gift box.



870B/870/872 Thermal Imagers are designed to make your work easier, more productive and effective. 80x80 resolution at 50 Hz for real-time capture; Temperature range from -20°C to 280°C (-4°F to 536°F). Hot/Cold spot marker automatically finds the hottest and coldest spots. Lithium polymer battery & power supply, and USB cable. Bluetooth connectivity allows the Infrared Thermal Camera to send thermal pictures to mobile devices.

Key features

- 50Hz fast frame rate, fast capture temperature varies
- High temperature range, more application situation
- Simple operate, easy to use
- Smart design, Portable, Small and lightweight to carry with you anywhere
- Durable, withstand up to a 2m drop

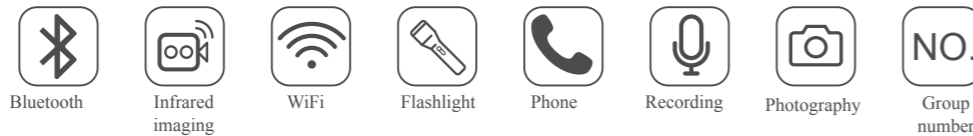


EMC
EN: 61326-1
EN: 61010-1



Specifications	870B	870	870L-8	872
Imaging and Optical Data				
Field of View	21x 21°	*	8x8°	17x13°
Spatial Resolution	4.53mrad	*	1.79mrad	3mrad
NETD	<0.1°C@30°C(80°F)/100mK	*	*	*
Image Frequency	50Hz	*	*	9Hz
Focus Mode	Focus free	*	*	*
Focal Plane Array(FPA)	Uncooled microbolometer/8-14um	*	*	*
Spectral Range				
IR Resolution	80x80	80x80	80x80	102x77
Image Presentation				
Display	2" TFT LCD, 240x320 pixels	*	*	*
Color Palettes	IRON, RainBow, Grey, GreyInverted	*	*	*
Measurement				
Object Temperature Range	-20°C to 380°C (-4°F to 716°F)	*	*	*
Accuracy	+/- 2°C(+/- 3.6°F) or +/-2% of reading	*	*	*
Measurement Analysis				
Spotmeter	Center Spot	*	*	*
Automatic Hot/Cold Detection	Auto hot or cold markers	*	*	*
Emissivity Correction	8 pre-define level and Variable from 0.01 to 1.0	*	*	*
Storage of Images				
Image Storage format	Bitmap(BMP),including measurement data.	*	*	*
Data Communication Interfaces				
Bluetooth		*		*
Power System				
Battery	Li-ion battery, 4 hours operating time	3x"AAA"	*	*
Input Voltage	DC 5V		*	*
Charging System	In camera(AC adapter)		*	*
Power Management	Automatic shutdown	*	*	*
Environmental Data				
Operating Temperature Range	-20°C to 50°C (-4°F to 122°F)	*	*	*
Storage Temperature Range	-40°C to 70°C (-40°F to 158°F)	*	*	*
Humidity(operating and storage)	10% to 90%	*	*	*
Drop test	2m	*	*	*

Size(HxWxD): 175mm x 58mm x 70mm Weight: 450g



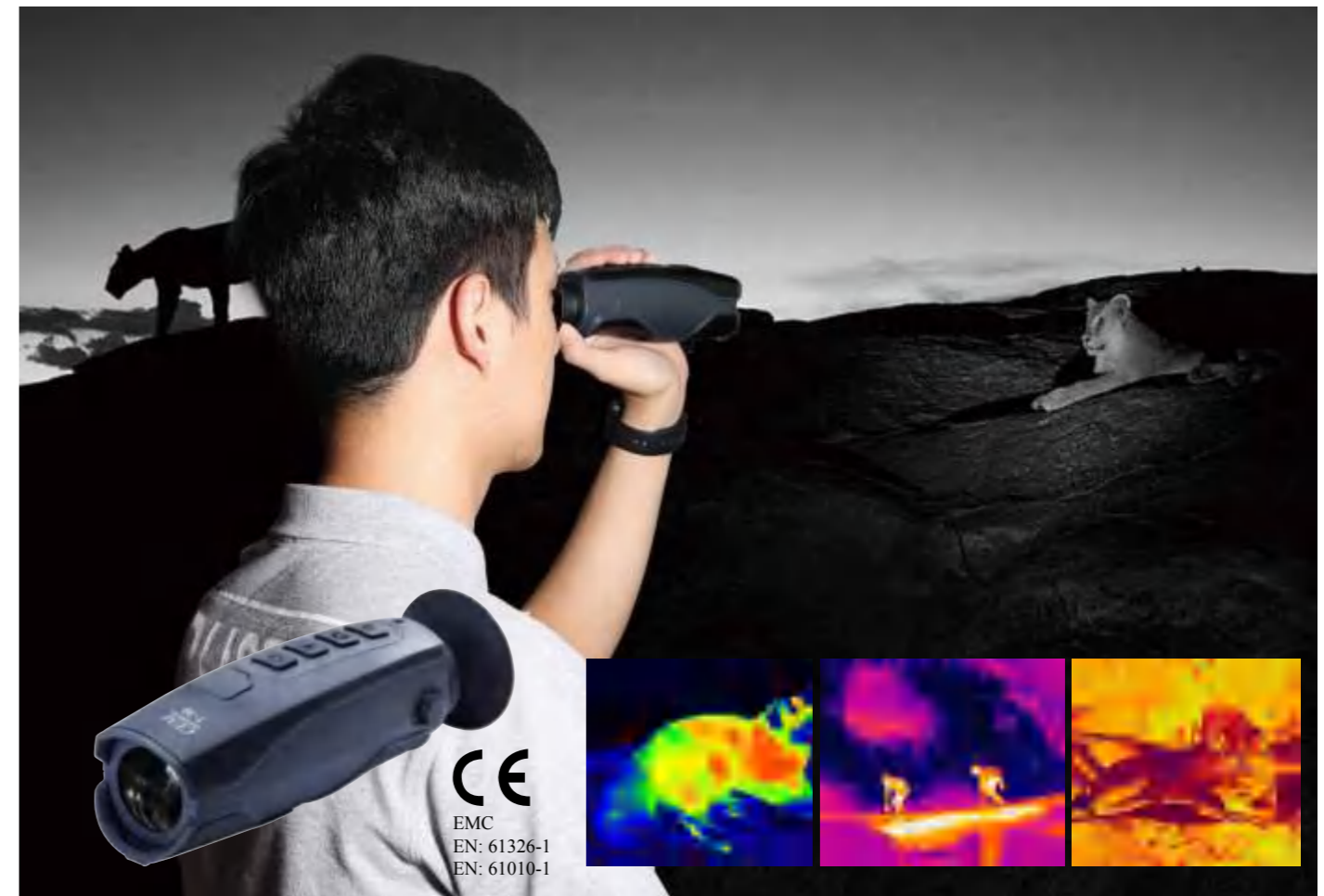
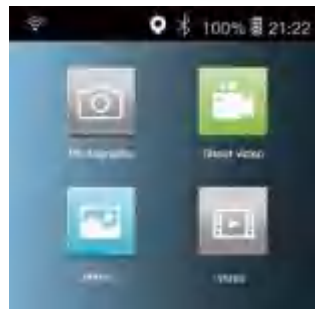
Flashlight with thermal imager, phone function, Bluetooth and WIFI to smartphone/tablet .



CE
EMC
EN: 61326-1
EN: 61010-1

Specifications	
Imaging and optical data	
IR resolution	205x156 focal plane array (FPA), uncooled microbolometer
Field of View (FOV)	36°x27°
Spatial resolution	3mrad (IFOV)
Thermal sensitivity/NETD	< 0.05°C @ +30°C (+86°F) / 50 mK
Image frequency	9Hz
Focus	Focus free
Image presentation	
Display	2.4" 320x240 TFT
Image modes	IR image, visual image, picture in picture, AUF
Color palettes	GRAY/GRAY IRON/IRON/RAINBOW/FEATHER
Measurement	
Object temperature range	Low range: -20°C to +330°C (-4°F to +302°F)
Accuracy	±5°C (±3.6°F) or ±3% of reading
Storage of videos/images	
Storage media	4Gbytes eMMC
Video storage format	Standard MPEG-4, 640x480@30fps, on memory card > 60 minutes
Image storage format	Standard JPEG, including measurement data, on memory card > 1000 pictures
Storage mode	IR/visual images; simultaneous storage of IR and visual images
Digital camera	
Built-in visible light digital camera	2M Pixels
Data communication interfaces	
USB interfaces	USB-micro, data transform between camera and PC remote control, live video
Wi-Fi connectivity	Wi-Fi connectivity allows to send images and data to mobile devices remote control, live video

Size(HxWxD): 75 x75 x 258mm Weight: 547g
Accessories: Infrared camera with lens, CVBS cable, Gift box.



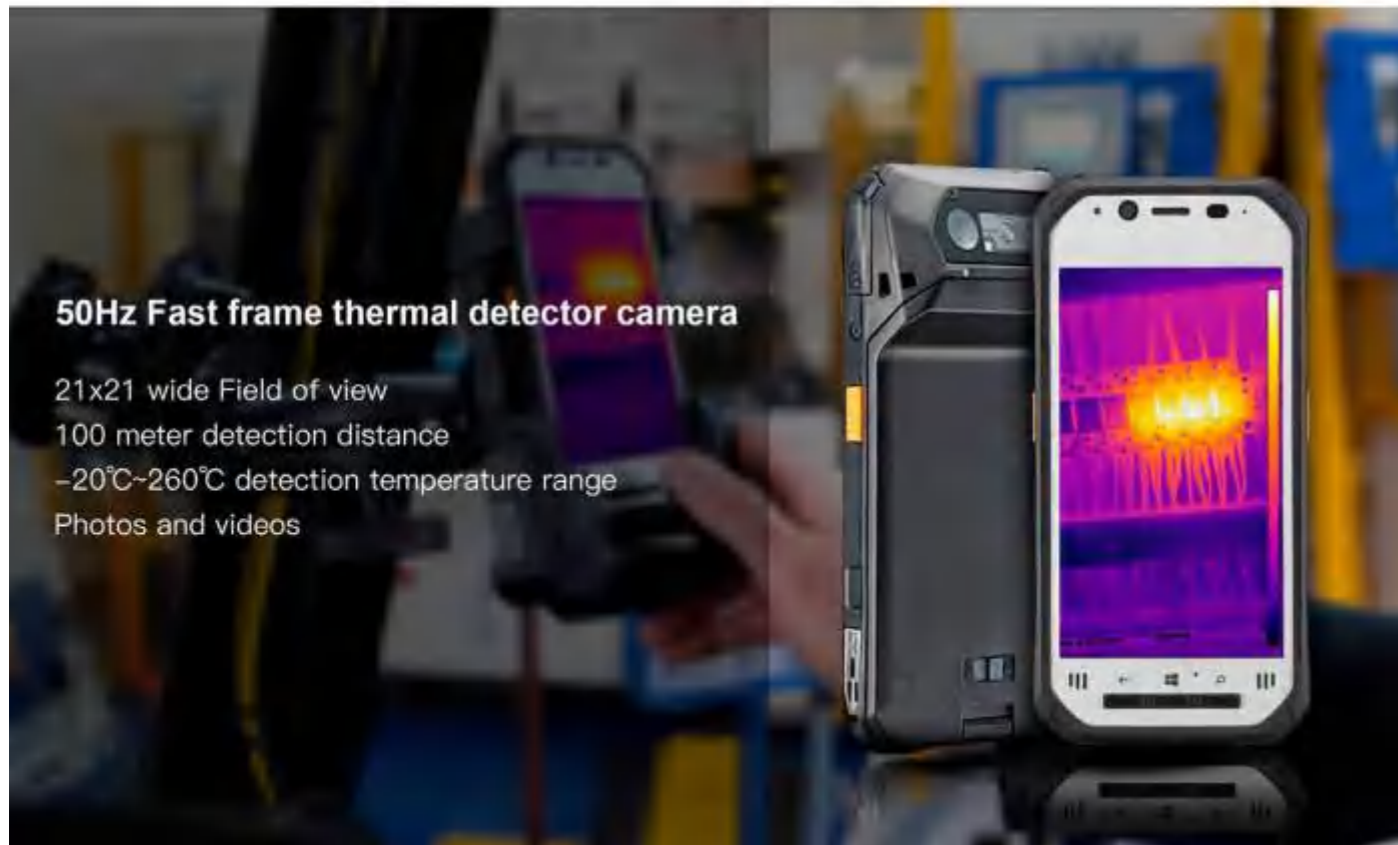
Specifications	
Imaging and optical data	
IR resolution	384x288 focal plane array (FPA), uncooled microbolometer
Field of View (FOV)	17°x12°
Spatial resolution	0.77mrad (IFOV)
Thermal sensitivity/NETD	< 0.05°C @ +30°C (+86°F) / 50 mK
Image frequency	50Hz
Focus	Focus free
Lens	19mm F1.0
Image presentation	
Display	1.44" 640x480 EVF
Color palettes	GREY/GREY IRON/IRON/RAINBOW/FEATHER
Set-up	
Laser / floodlight	< class2 / white LED floodlight
Set-up commands	Local adaptation of units, language, date and time formats, information of camera
Language selection	English, Chinese, French, German, Spanish
Storage of videos/images	
Storage media	4Gbytes eMMC
Video storage format	Standard MPEG-4, 640x480@30fps, on memory card > 60 minutes
Image storage format	Standard JPEG, including measurement data, on memory card > 1000 pictures
Data communication interfaces	
USB interfaces	USB-micro, data transform between camera and PC Remote control, live video
Wi-Fi connectivity	Wi-Fi connectivity allows to send images and data to mobile devices remote control, live video

Size(HxWxD): 48 x50x 180mm Weight: 370g
Accessories: Gift box.



Turn your smart phone to a thermal imaging camera

- 50Hz Fast frame thermal detector
- 21x21 wide Field of view
- 100 meter detection distance
- 20°C~260°C detection temperature range
- Photos and videos



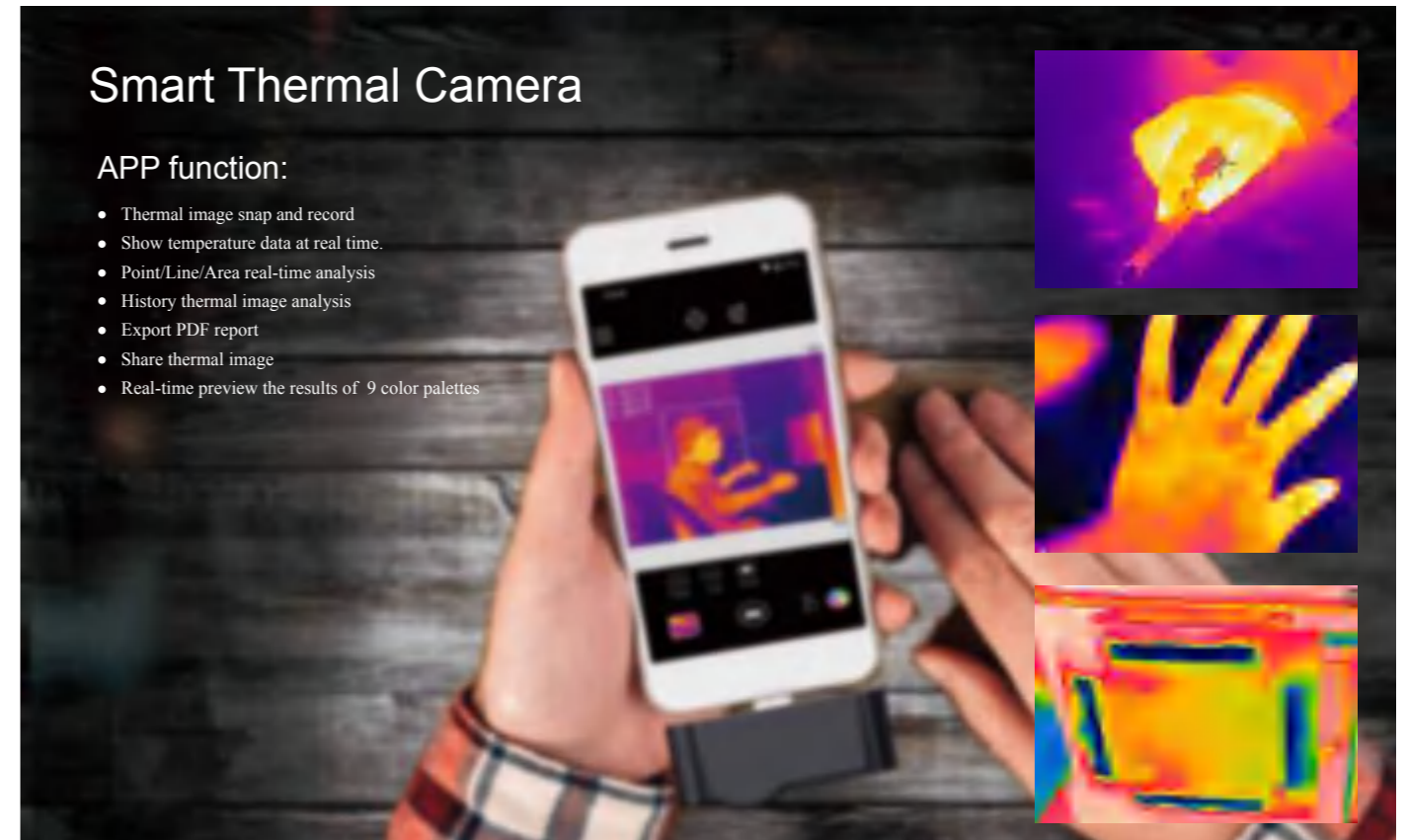
50Hz Fast frame thermal detector camera

- 21x21 wide Field of view
- 100 meter detection distance
- 20°C~260°C detection temperature range
- Photos and videos

Smart Thermal Camera

APP function:

- Thermal image snap and record
- Show temperature data at real time.
- Point/Line/Area real-time analysis
- History thermal image analysis
- Export PDF report
- Share thermal image
- Real-time preview the results of 9 color palettes




EMC
EN: 61326-1
EN: 61010-1

Specification:

- 206×156 or 320×240 Thermal Sensor
- 36°Field of View
- <9 Hz Frame Rate
- -10°C~330°C
- Detection Range:330m or 543m
- Recognition Range:83m or 136m
- Identification Range:48m or 78m
- Photos & Videos
- Spot/line/area Temperature
- High-Low Temperature
- Threshold Mode
- 9 Color Palettes
- Auto Mode Only
- Auto Emissivity



Android



ios



Model T-10



Model T-20

Size(HxWxD): 65 x 26x 16mm Weight: 80g
Accessories: Gift box.



Specifications	UIR80	UIR160	UIR384	UIR640
Imaging and optical data				
IR Resolution	80x80	160x120	384x288	640x480
Focal Plane Array	Uncooled microbolometer/8~14um			
Field of View	17x17	29.8x22.6	24.6x18.6	24.6x19.8
Focal length	9mm	7.5mm	22mm	22mm
Spatial resolution	3.78mrad	3.33mrad	1.15mrad	0.77mrad
NETD(@25°C,F#1.0)	<0.1°C 100mK	<0.8°C 80mK	<0.5°C 50mK	<0.5°C 50mK
Image Frequency/ Focus	50Hz/ Manual			
Measurement				
Object temperature range	-20 to 150°C (-4 to 302°F) 0 to 350°C (32 to 662°F)			
Accuracy	±2°C (±3.6°F) or ±2% of reading			
Image adjustment				
Color palettes	Grey/Grey Inverted/IRON/Rainbow			
Brightness & contrast adjust	Auto/manual			
Imageing Algorithm	Intelligent image enhancement			
Interfaces				
Video output/ Digital output	Standard PAL/ 16 bit LVCMOS			
Communication interface	RS-232,UART(3.3V)			
Power/ Power consumption	9~12 VDC/ <1.8W @25°C			
Options Lens				
11mm		20.6° x 15.5°	47.1° x 36.2°	
22mm	8° x 8°	10.4° x 7.8°		
33mm		6.9° x 5.2°		
38mm			14.4° x 10.8°	
Size (HxWxD)	48x48x71mm		48x48x83mm	
Weight	178g		193g	

DT-971S/971H/DB-640 Professional Thermal Imaging Camera

Key Features:

- 100Mbps Ethernet;
- Composite video output, PAL or NTSC
- Standardized security interface design, using H.264 video compression protocol which is easy for system integration
- 50Hz passive infrared imaging ensure the high frame rate security monitor circular around the clock in all kinds of bad weather
- Image enhancement feature highlights the target details, easy to achieve target surveillance and recognition;
- Precise non-contact wide temperature ranges: 600°C to 2000 °C/ 1112 °F to 3632 °F; (DB-640)
- High-dynamic 2D-Si-CMOS array with 640x 512 pixels (DB-640)
- Spectral range 0.8 μm to 1.1 μm (DB-640)



EMC
EN: 61326-1
EN: 61010-1



Model: 971S



Model: 971H

Specifications	971S	971H	DB-640
Imaging and optical data			
Field of view (FOV) / Minimum focus distance	29.8°x 22.6°/ 0.2m	29.8°x 22.6°/ 0.2m	22° x 17.6°
Special range	8~14 μm	8~14 μm	0.8~1.1 μm
Spatial resolution (IFOV)	3.33mrad	3.33mrad	0.6mrad
Thermal sensitivity/NETD	< 0.08°C @ +30°C (+86°F) / 80 mK	< 0.08°C @ +30°C (+86°F) / 80 mK	< 1°C @ +600°C
Image frequency	50Hz		30Hz
Focal length	7.5mm	7.5mm	25mm
IR resolution	160 x 120 pixels	160 x 120 pixels	640 x 512 pixels
Object temperature range	-20 to +150°C (-4 to +302°F) 0 to +400°C (32 to +752°F)	-20 to +150°C (-4 to +302°F) 0 to +400°C (32 to +752°F)	600°C to 2000°C 1112 °F to 3632 °F
Accuracy	±2°C (±3.6°F) or ±2% of reading		2% of reading
Interfaces	composite video		
Video out	composite(PAL and NTSC)		
Input voltage	DC 9V to 12V		DC 5V
Ethernet type, connector type, video streaming	100Mbps, RJ-45, H.264		
Alarm output	2 relay output		
Options Lens			
11mm		(FOV=20.6°x 15.5°)	8mm (FOV=68.8°x 55°)
22mm		(FOV=10.4°x 7.8°)	12mm (FOV=45.8°x 36.7°)
33mm		(FOV=6.9°x 5.2°)	50mm (FOV=11°x 8.8°)
			75mm (FOV=7.3°x 5.9°)

Size(HxWxD): 195 mmx115mmx83mm
Weight: 632g

Accessories: Infrared camera with lens, CVBS cable, Gift box.

CAM80/CAM160/CAM384/CAM640/CAM978/CAM979 have compact structure, small size and light weight which are a solid durable product with high sensitivity, clarity images, precise measurement and flexible operation features. It can meet the demand of non-contact temperature measurement, fast fault detection and thermal field analysis in the field of industrial, electrical, electronics and other industries. CAM979 is combined with Visual and Thermal Imaging function, provides more flexible operation features. The leading end will complete all the image processing and temperature measurement then the analog video can output to a monitor directly.



Model: 979



Model: 978

Specifications	CAM80	CAM160	CAM384/978	CAM640	CAM979
Imaging and optical data					
Field of view (FOV) / Minimum focus distance	17x17°/0.5m	29.8x22.6°/0.2m	24.6°x 18.6°/ 0.5m	24.6°x 19.8°/ 0.3m	29.8°x 22.6°/ 0.2m
Spatial resolution (IFOV)	3.78mrad	3.33mrad	1.14 mrad	0.45	3.33mrad
Thermal sensitivity/NETD	< 0.1°C /100mK	< 0.08°C /80mK	< 0.05°C /50mK	< 0.05°C /50mK	< 0.08°C @ +30°C (+86°F) / 80 mK
Image frequency	50HZ				
Focus mode	Manual				
Focal length	9mm	7.5mm	22mm	38mm	7.5mm
Focal Plane Array (FPA) / Spectral range	Uncooled microbolometer / 8~14 μm				
IR resolution	80x80	160x120	384x288	640x480	160x120
Image presentation					
Image modes	IR image only				IR image, visual image
Color palettes	IRON, Rainbow, Grey, Grey Inverted, Sepia, Blue_Red, Hot_Cold, Humidity				
Measurement					
Object temperature range	-20°C to +150°C (-4°F to +302°F) 0°C to +350°C (+32°F to +662°F)		-20°C to +150°C (-4°F to +302°F) 0°C to +400°C (+32°F to +752°F)		
Accuracy	±2°C (±3.6°F) or ±2% of reading				
Data communication interfaces					
Interfaces	USB, composite video				composite video
USB	Remote control				
Video out	Composite(PAL and NTSC)				
Ethernet type, connector type, video streaming					100Mbps, RJ-45, H.264
Alarm output	2 relay output				
Power system					
Input voltage	DC 9V to 12V				
Options Lens					
11mm		20.6° x 15.5°	47.1° x 36.2°		20.6° x 15.5°
22mm		10.4° x 7.8°			10.4° x 7.8°
33mm		6.9° x 5.2°			6.9° x 5.2°
38mm			14.4° x 10.8°		

Applications

- Buildings, factories security monitor circular;
- Border, ports, airports, railway stations and other big visitors flow rate places monitor circular;
- Warehouse fire monitor circular;
- Forest fire monitor circular.



RL-7.5
7.5mm Lens

RL-33
33mm Lens

RL-22
22mm Lens

Size(HxWxD): 90mmx74mmx74mm
130mmx60mmx74mm(978 only)

Weight: 1000g

Accessories: Infrared camera with lens, CVBS cable, RS485 cable, Network cable, Gift box.















Professional InfraRed Video Thermometers
with TFT color LCD display & Imager Video format

9860/9861/9862/9863/9865 Series Professional InfraRed Video Thermometers with 2.2" color TFT LCD display & a microSD memory card for capturing images (JPEG) or video (3GPI) for viewing on your PC, providing fast, easy and accurate readings for most surface temperature measurements.

CE
EMC
EN: 61326-1
EN: 61010-1



Thermometers Selection Guide

										
Model number	DT-813	DT-822	DT-833	DT-8865	DT-8876	DT-8869H	DT-862	DT-9865	DT-9867	DT-9870
Object temperature range	-50 to 500°C	-50 to 650°C	-50 to 800°C	-50 to 1000°C	-50 to 1000°C	-50 to 2200°C	-50 to 1600°C	-20 to 2300°C	-20 to 800°C	-20 to 800°C
Optical Resolution	8:1	20:1	12:1	30:1	20:1	50:1	30:1	75:1	-	-
IR Resolution	-	-	-	-	-	-	-	-	32X32	80x64
Laser targeting	Single laser	Dual lasers	Circular	Dual lasers	Circular	Dual lasers	Circular	Dual lasers	Circular	-
Visible camera							*	*		*
Display	SEGMENT	SEGMENT	SEGMENT	SEGMENT	SEGMENT	SEGMENT	2.2" TFT LCD	2.2" TFT LCD	2.2" TFT LCD	2.2" TFT LCD
K-TYPE						*		*		*
Bluetooth										
Temp. & %RH Probe								*		

80 X 64
IR resolution 80x64 pixels (9870H)

32 X 32
IR resolution 32x32 pixels (9870B)

NETD 0.10°C
Thermal sensitivity 0.10°C (0.27°F) @ 1Hz and 100°C

9870B is a Professional InfraRed 32x32 pixels Imager Thermometer with 2.4" color TFT LCD display, 32x32 pixels imagers & a micro SD memory card for capturing images(JPEG) for viewing on your PC, providing fast, easy and accurate readings for most surface temperature measurements with cloud service.

9870H is a professional InfraRed 80 x 64 pixels imager thermometer.

Applications

- Plant/General Maintenance
- HVAC/R
- Transportation/Automotive
- Cooling and Reheating
- Serving areas
- Food service Equipment



Features	9870B	9870H
IR temperature measurement resolution	32x32 pixels	80x64 pixels
2.4" TFT 320x240 Pixels color LCD display	*	*
Single point infrared temperature	*	*
2 million pixel video camera	*	*
Image capture frequency 9Hz	*	*
Thermal sensitivity (NETD) ≤100 mK	*	*
Hot Spot and Cold Spot Tracking	*	*
Visual camera & images capture(JPEG)	*	*
Micro SD memory card	*	*
Date/time setup controls, adjustable emissivity & trigger lock	*	*
Li-ION rechargeable battery	*	*
USB interface to smartphone / PC.	*	*
Language selection: English, Chinese, French, German, Italian	*	*
Meterbox IRTP & cloud service	*	*

Specifications	
Imaging and optical data	
Thermal sensitivity (NETD)	0.10°C (0.18°F) @ 1Hz and 100°C
Image frequency	9Hz
D:S	50:1
Single point infrared temperature range	-50°C to 1200°C (only 9870B)
Detector data	
Detector type	Uncooled hyper-thin pyroelectric ceramic
Spectral range	8-14µm
IR resolution	32 x 32 pixels (9870B) 80 x 64 pixels (9870H)
IR temperature Measurement (32x32/ 80x64)	
Object temperature range (32x32)	-20°C to +600°C (-4°F to +1112°F)
Object temperature range (80x64)	-20°C to +800°C (-4°F to +1472°F)
Accuracy	±2°C (±3.6°F) or ±2% of reading
Spotmeter	Center spot
Emissivity adjustable	0.10-1.0 Adjustable
Micro SD memory card	MAX. support 8GB
Field of View	39° X 40°
Color palettes	GREY/GREY IRON/ IRON/RAINBOW
Image storage format	Standard JPEG, including measurement data, on memory card > 1000 pictures

Size(HxWxD): 125mm x 58mm x 205mm **Weight:** 494g
Accessories: 3.7V Li battery, USB cable, Carrying case and Gift box



CE EMC
EN: 61326
EN: 60825-1

Model: 9870B

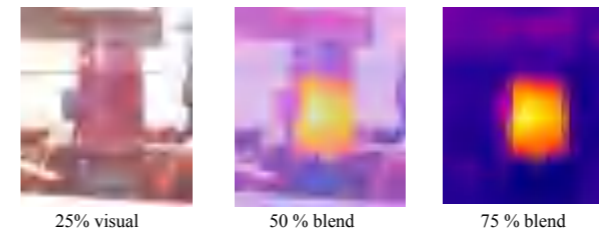
80 X 64
IR resolution 80x64 pixels (9870)

32 X 32
IR resolution 32x32 pixels (9869)

NETD 0.15°C
Thermal sensitivity 0.15°C (0.27°F) @ 1Hz and 100°C

9869 is a Professional InfraRed 32x32 pixels Imager Thermometer with 2.2" color TFT LCD display, 32x32 pixels imagers & a microSD memory card for capturing Circular images(BMP) for viewing on your PC, providing fast, easy and accurate readings for most surface temperature measurements with cloud service.

9870 is professional InfraRed 80 x 64 pixels Imager Thermometer.

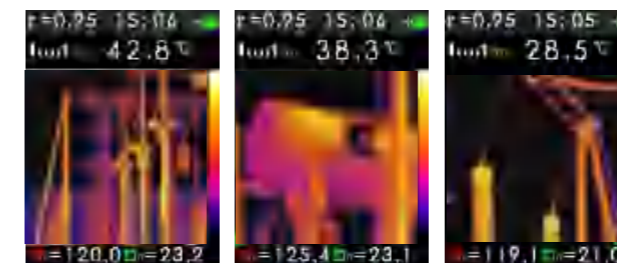


9868/9869/9870 combines the convenience of digital camera with thermal heat map at breakthrough affordability. The blended image eliminates guesswork and tells you the exact location of the issue.

Features	9868	9869	9870
IR temperature measurement resolution	32x31 pixels	32x32 pixels	80x64 pixels
2.2" TFT 320x240 Pixels color LCD display	*	*	*
Image Capture Frequency 9Hz	*	*	*
Thermal Sensitivity (NETD) ≤150 mK	*	*	*
Hot Spot and Cold Spot Tracking	*	*	*
Visual Camera & Images Capture(BMP)	*	*	*
MicroSD memory card	*	*	*
Date/time setup controls, Adjustable emissivity & trigger lock	*	*	*
Li-ion rechargeable battery	*	*	*
USB interface to smartphone / PC.	*	*	*
Language selection: English, Chinese	*	*	*
Meterbox IRTP & cloud service	*	*	*

Specifications	
Imaging and optical data	
Thermal sensitivity (NETD)	0.15°C (0.27°F) @ 1Hz and 100°C
Image frequency	9Hz
Detector data	
Detector type	Uncooled hyper-thin pyroelectric ceramic
Spectral range	8-14µm
IR resolution	32 x 31 pixels (9868) 32 x 32 pixels (9869) 80 x 64 pixels (9870)
IR temperature measurement	
Object temperature range	-20°C to +600°C (-4°F to +1112°F)
Accuracy	±2°C (±3.6°F) or ±2% of reading
Spotmeter	Center spot
Emissivity adjustable	0.10-1.0 Adjustable
Micro SD memory card	MAX. support 8GB
Field of View	40° X 40°
Color palettes	GRAY/GRAY IRON/ IRON/RAINBOW
Image storage format	Standard BMP, including measurement data, on memory card > 1000 pictures

Size(HxWxD): 125mm x 58mm x 205mm **Weight:** 494g
Accessories: 3.7V Li battery, USB cable, Carrying case and Gift box



CE EMC
EN: 61326-1
EN: 61010-1

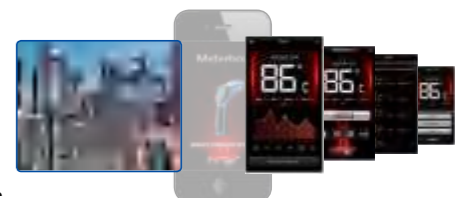
Model: 9869

iRTP software
for InfraRed Thermometer

Meterbox iRTP smartview software provides a professional report with table and chart, details including data analysis, alarm indication, fault doubt share, inspector management, application scene, fast inspection, scene mode, equipment maintenance and quality inspection.

The smart choice

- The default usage scene
- Data analysis
- Table and chart display
- Alarm indication
- Fault doubt share
- Inspector management
- Fast inspection
- Scene mode
- Equipment maintenance
- Quality inspection





2.2" TFT Color LCD display

Capture Circular images(BMP)
30 : 1 distance to spot size

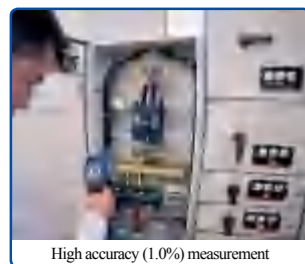
860/861/862 Series Professional Infrared Video Thermometers with 2.2" color TFT LCD display & a microSD memory card for capturing Circular images(BMP) for viewing on your PC, providing fast, easy and accurate readings for most surface temperature measurements. The measurement of dewpoint will be very visible for wet and dry proof. These serials products are with international patent and good hand for industrial measurements and data analyzing. The user can be back in office to analyze the measured Infrared temperature readings under the support of software.

- High 30 : 1 distance to target ratio measures allows measurement smaller surface areas at greater distances
- IR temperature measurement
- Air temperature and type K probe temperature measurement
- Relative humidity measurement
- Wet bulb temperature & dewpoint temperature measurement
- Unique flat surface, modern housing design

Features	860	861	862
2.2" TFT 320x240 pixels Color LCD display	*	*	*
Camera pixels	640x480	640x480	640x480
Images(BMP)	*	*	*
Micro SD memory card & datalogger function	*	*	*
Dual laser targeting	*	*	Circular
Date/time setup controls	*	*	*
Auto Power Off	*	*	*
High temperature	*	*	*
Max, Min, DIF, AVG record	*	*	*
High and low alarm	*	*	*
Adjustable emissivity & Trigger lock	*	*	*
Type K input	*	*	*
USB	*	*	*
Bluetooth interface	*	*	*
Readings memories	*	*	*
Humidity & Air temperature		*	*
Dewpoint & Wet bulb temperature		*	*
Language selection	English, Chinese, French, German, Spanish		

Specifications	860	861	862
IR Temp. Range	-50°C to 800°C -58°F to 1832°F	-50°C to 1300°C -58°F to 2912°F	-50°C to 1600°C -58°F to 3992°F
Response Time	Less than 150ms		
Resolution	0.1° up 1000°, 1° over 1000°		
Basic Accuracy (IR)	±1.0% of reading		
Optical Resolution	30:1 Distance to Spot size		
Emissivity Adjustable	0.10~1.0 Adjustable		
Type K Temp. Range	-50°C to 1370°C / -58°F to 2498°F		
Basic Accuracy (TK)	±0.5% of reading ±1°C		
Micro SD Memory Card	MAX. support 16GB		
Air Temp. Range	0 to 50°C/32 to 122°F		
Air Temp. Basic Accuracy	±0.5°C/1°F		
Humidity Range	0 to 100%RH		
Humidity Basic Accuracy	±2.5%RH(20%~80%RH)		
Dew Point Temp. Range	0 to 50°C/32 to 122°F		
Wet Bulb Temp. Range	0 to 50°C/32 to 122°F		

Size(HxWxD): 103mm x 45mm x 182mm **Accessories:** 3.7V Li battery, Type K Temp. probe, USB cable, Carrying case and Gift box
Weight: 352g



High accuracy (1.0%) measurement



BMP images / 3GP videos & Audio Recording



EMC
EN: 61326-1
EN: 61010-1



Cloud Server



Model 862

867 is a Professional InfraRed 32x32 pixels Imager Thermometer with 2.0" color TFT LCD display, 32x32 pixels Imagers for capturing images(BMP) for viewing on your PC, providing fast, easy and accurate readings for most surface temperature measurements.

2.2" TFT Color LCD display

32x32 Pixels IR images

Features
2.0" TFT 320x240 Pixels color LCD display
IR temperature measurement with resolution 32x32 pixels
Image Capture Frequency 7Hz
Thermal Sensitivity (NETD) ≤347 mK
Hot Spot and Cold Spot Tracking
Visual Camera & Images Capture(BMP)
Date/time setup controls, Adjustable emissivity & trigger lock
Li-ION rechargeable battery (867 only)
3x "AAA" battery (867B only)
USB interface to PC.
Language selection: English, Chinese
IP54 waterproof level
Built-in G-SENSOR to view the pictures and select the functions

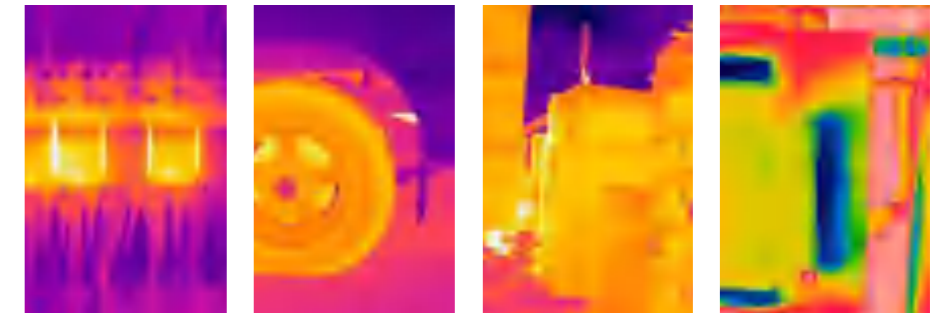
Specifications	
Imaging and optical data	
Thermal sensitivity (NETD)	0.15°C (0.27°F) @ 1Hz and 100°C
Image frequency	9Hz
Detector data	
Detector type	n-poly / p-poly Si
Spectral range	8~14µm
IR resolution	32 × 32 pixels
Display	2.2" TFT 320x240 pixels color LCD display
IR temperature Measurement	
Object temperature range	-20°C to +600°C (-4°F to +1112°F)
Accuracy	±3°C (±37.4°F) or ±2% of reading
Spotmeter	Center spot
Emissivity adjustable	0.10~1.0 Adjustable
Field of View	33° X 33°
Color palettes	GRAY/GRAY IRON/ IRON/RAINBOW
Image storage format	Standard BMP, including measurement data, on drive > 100 pictures



Model: 867



EMC
EN: 61326-1
EN: 61010-1



Size(HxWxD): 175mm x 58mm x 70mm
Weight: 450g

Accessories: 3.7V Li battery, USB cable, Carrying case and Gift box

Professional InfraRed Video Thermometers with TFT color LCD display & Imager Video format



Cloud Server

Worldwide Patent:
PCT/CN2010/000230
200910189276.8
200920261924.1



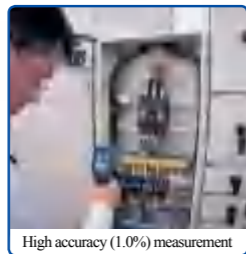
EMC
EN: 61326
EN: 60825-1



Dual laser targeting & D.S = 75:1



JPG images / 3GP videos & Audio Recording



High accuracy (1.0%) measurement



Fold reading on the images

Applications

- Plant/General Maintenance
- HVAC/R
- Transportation/Automotive
- Cooling and Reheating
- Serving areas
- Food service Equipment



2.2" TFT color LCD display



Support **Images**(JPEG) capture capabilities



Support **Video**(3GP) capture capabilities



Support **IR, K-Type, Air, Dewpoint, Wet bulb Temp. & Air Humidity** measurement

Dual-laser targeting

Date/Time setup controls

USB interface

Data Logger

Support **MicroSD** memory card extension



9860/9861/9862/9863/9865 Series Professional Infrared Video Thermometers with 2.2" color TFT LCD display & a microSD memory card for capturing Circular images(JPEG) or video(3GP) for viewing on your PC, providing fast, easy and accurate readings for most surface temperature measurements. The measurement of dewpoint will be very visible for wet and dry proof. These serials products are with international patent and good hand for industrial measurements and data analyzing. The user can be back in office to analyze the measured Infrared temperature readings under the support of software.

- High 75 : 1/ 50 : 1 distance to target ratio measures allows measurement in smaller surface areas at greater distances
- IR temperature measurement
- Air temperature and type K probe temperature measurement
- Relative humidity measurement
- Wet bulb temperature & dewpoint temperature measurement
- Unique flat surface, modern housing design

Worldwide Patent:
PCT/CN2010/000230
200910189276.8
200920261924.1

2.2" TFT Color LCD display

Capture Circular images(JPEG)
75 : 1 distance to spot size

Features

	9860/ 9860S	9861/ 9861S	9862/ 9862S	9863	9865
2.2" TFT 320x240 pixels Color LCD display	*	*	*	*	*
Camera pixels	640x480	640x480	640x480	3.0 Mega	3.0 Mega
Images(JPEG) & Video(3GP)	*	*	*	*	*
MicroSD memory card & datalogger function	*	*	*	*	*
Dual laser targeting	*	*	*	*	*
Date/time setup controls	*	*	*	*	*
Auto Power Off	*	*	*	*	*
High Temperature	*	*	*	*	*
Max, Min, DIF, AVG record	*	*	*	*	*
High and low alarm	*	*	*	*	*
Adjustable emissivity & Trigger lock	*	*	*	*	*
Type K input	*	*	*	*	*
USB/ bluetooth interface	USB	USB	USB	USB/ Bluetooth	USB/ Bluetooth
Readings memories	*	*	*	*	*
Humidity & Air Temperature	*	*	*	*	*
Dewpoint & Wet bulb temperature	*	*	*	*	*
Audio recording				*	*
Language selection	English, Chinese, French, German, Spanish				

Specifications

	9860/9860S	9861/9861S	9862/9862S	9863	9865
IR Temp. Range	-50°C to 1000°C -58°F to 1832°F	-50°C to 1600°C -58°F to 2912°F	-50°C to 2200°C -58°F to 3992°F	-50°C to 1000°C -58°F to 1832°F	-50°C to 2300°C -58°F to 4172°F
Response Time	Less than 300ms; Less than 150ms(9860S/9861S/9862S)				
Resolution	0.1° up 1000°, 1° over 1000°				
Basic Accuracy (IR)	±1.0% of reading				
Optical Resolution	50:1 Distance to Spot size			75:1 Distance to Spot size	
Emissivity Adjustable	0.10~1.0 Adjustable				
Type K Temp. Range	-50°C to 1370°C / -58°F to 2498°F				
Basic Accuracy (TK)	±0.5% of reading ±1°C				
Micro SD memory card	MAX. support 8GB				
Air Temp Range	0 to 50°C/32 to 122°F				
Air Temp Basic Accuracy	±0.5°C/1°F				
Humidity Range	0 to 100%RH				
Humidity Basic Accuracy	±2.5%RH(20%~80%RH)				
Dew Point Temp. Range	0 to 50°C/32 to 122°F				
Wet Bulb Temp. Range	0 to 50°C/32 to 122°F				



Size(HxWxD): 125mm x 58mm x 205mm
Weight: 494g
Accessories:
3.7V Li battery, Type K Temp. probe, USB cable, Carrying case and Gift box



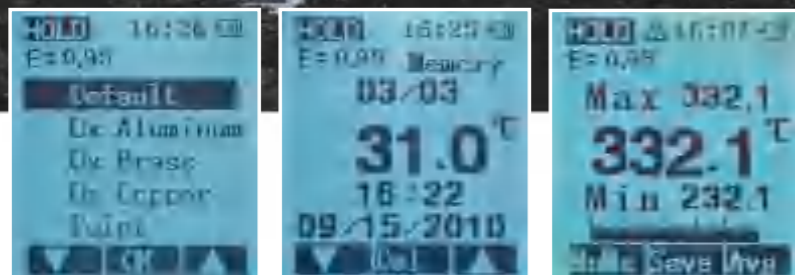
Temperature probe
(Optional: NR-31B / TP-500 / TCP-100)



Model 9863

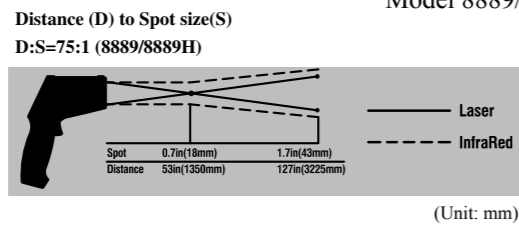


- 75: 1 distance to spot size
- Dual laser pointers
- 150ms faster sampling time
- 1% accuracy
- Reading memory



Adjustable Emissivity Data Record Fast measurement with high accuracy

- Features**
- Graphic white and black LCD display
 - Max, Min, DIF, AVG record & trigger lock
 - High / low alarm
 - Auto Power Off
 - Adjustable emissivity
 - Type K input
 - Memory data with Date/Time stamp (30 points)
 - USB interface
 - Datalog (Only 8879/8889H)
 - Wireless interface (Only 8879/8889H)



Model 8889/8889H



Thermistor clamp



TCP-100



Temperature probe
(Optional: NR-31B / TP-500 / TCP-100)

Specifications	8878	8879	8889	8889H
IR Temp. Range	-50°C to 1200°C/ -58°F to 2192°F	-50°C to 1600°C/ -58°F to 2912°F	-50°C to 1850°C/ -58°F to 3362°F	-50°C to 2200°C/ -58°F to 3992°F
Response Time	Less than 150ms	Less than 150ms	Less than 150ms	Less than 150ms
Resolution	0.1° up 1000°, 1° over 1000°	0.1° up 1000°, 1° over 1000°	0.1° up 1000°, 1° over 1000°	0.1° up 1000°, 1° over 1000°
Basic Accuracy (IR)	±1.0% of reading	±1.0% of reading	±1.0% of reading	±1.0% of reading
Optical Resolution	50:1 Distance to Spot size	50:1 Distance to Spot size	75:1 Distance to Spot size	75:1 Distance to Spot size
Emissivity	Adjustable 0.10-1.0	Adjustable 0.10-1.0	Adjustable 0.10-1.0	Adjustable 0.10-1.0
Type K Temp. Range	-50°C to 1370°C/ -58°F to 2498°F	-50°C to 1370°C/ -58°F to 2498°F	-50°C to 1370°C/ -58°F to 2498°F	-50°C to 1370°C/ -58°F to 2498°F
Basic Accuracy (TK)	±0.5% of reading	±0.5% of reading	±0.5% of reading	±0.5% of reading
Readings memories	30	30	30	30
Datalog		*		*
Wireless interface(433Mhz)		*		*
Bluetooth interface				*

Size(HxWxD): 204mm x 155mm x 52mm **Accessories:** 9V battery, USB Cable, Tripod, Software, Type-K temperature probe, Carrying case and Gift box
Weight: 320g

8867H/8868/8868H/8869/8869H Series provide much faster, easier and accurate readings for most surface temperature measurements with Dual laser pointers.

Two laser points converge to a single spot when the unit is at the optimal distance from the object being measured.

- 150ms faster sampling time with 1% accuracy
- High 50 to 1 distance to target ratio measures smaller surface areas at greater distances
- Widest temperature range
- Unique flat surface, modern housing design
- Built-in dual laser pointers for accurate targeting
- Automatic Data Hold & Trigger Lock
- Max, Min, DIF, AVG record
- High and low temp. alarm
- Emissivity Digitally adjustable from 0.10 to 1.0
- USB interface
- Compatible with all standard connector Type K thermocouples



- 150ms faster sampling time
- 1% accuracy
- Reading memory

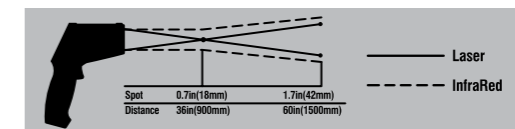
- 50 : 1 distance to spot size
- Dual laser pointers



EMC
EN: 61326
EN: 60825-1

- Features**
- User selectable °C or °F
 - Dual Laser targeting
 - Automatic Data Hold
 - Auto Power Off
 - White backlit LCD display
 - Overrange indication
 - High temperature
 - Max, Min, DIF, AVG record
 - High / low alarm, Trigger lock
 - Adjustable emissivity
 - Reading memory (8868/8869/8868H/8869H)
 - Type K input
 - USB interface

Distance (D) to Spot size(S)
D:S=50:1(8869) Model 8869



Specifications	8867H	8868	8869	8868H	8869H
IR Temp. Range	-50°C to 1650°C/ -58°F to 3002°F	-50°C to 1200°C/ -58°F to 2192°F	-50°C to 1600°C/ -58°F to 2912°F	-50°C to 1850°C/ -58°F to 3362°F	-50°C to 2200°C/ -58°F to 3992°F
Response Time	Less than 150ms	Less than 150ms	Less than 150ms	Less than 150ms	Less than 150ms
Resolution	0.1° up 1000°, 1° over 1000°	0.1° up 1000°, 1° over 1000°	0.1° up 1000°, 1° over 1000°	0.1° up 1000°, 1° over 1000°	0.1° up 1000°, 1° over 1000°
Basic Accuracy (IR)	±1.0% of reading	±1.0% of reading	±1.0% of reading	±1.0% of reading	±1.0% of reading
Optical Resolution	30:1 Distance to Spot size	50:1 Distance to Spot size	50:1 Distance to Spot size	50:1 Distance to Spot size	50:1 Distance to Spot size
Emissivity	Adjustable 0.10-1.0	Adjustable 0.10-1.0	Adjustable 0.10-1.0	Adjustable 0.10-1.0	Adjustable 0.10-1.0
Type K Temp. Range	-50°C to 1370°C/ -58°F to 2498°F	-50°C to 1370°C/ -58°F to 2498°F	-50°C to 1370°C/ -58°F to 2498°F	-50°C to 1370°C/ -58°F to 2498°F	-50°C to 1370°C/ -58°F to 2498°F
Basic Accuracy (TK)	±1.5% of reading	±1.5% of reading	±1.5% of reading	±1.5% of reading	±1.5% of reading
Readings memories		99	99	99	99

Size(HxWxD): 204mm x 155mm x 52mm **Accessories:** 9V battery, USB Cable, Tripod, Software, Type-K temperature probe, Carrying case and Gift box
Weight: 320g

Professional InfraRed Thermometers with Circular Laser targeting



Fast response time 0.15 sec.



Built-in Circular Laser Pointers focus target (calibrated distance)



Triple LCD display indicates infrared temperature, dew-point temperature & humidity readings.



Double molded housing design



Applications

- Plant/General Maintenance
- HVAC/R
- Transportation/Automotive
- Cooling and Reheating
- Serving areas
- Food service Equipment
- Cold storage



8870/8870B/8870V/8871/8872/8873 Series compact Infrared Thermometers provide much faster and more accurate readings for Infrared Temperature, Dew-point Temperature & Humidity.

- Dust and water-proof: IP54 rated for dust/water proof
- Rugged: 3 m (9.8 ft) drop tested
- Ergonomical design: Perfectly design for more suitable handheld
- Distance to spot: Precise laser technology allows more accurate and repeatable measurements
- Alarm: Hi and Lo alarms for rapid display of measurements outside the limits
- Accurate readings for infrared temperature, dew-point temperature & humidity.



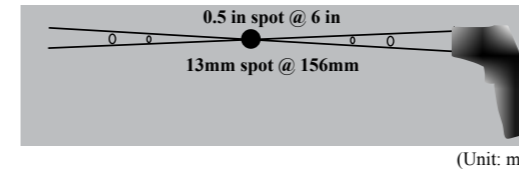
EMC
EN: 61326
EN: 60825-1



Model 8870B

● Circular laser pointers

Distance (D) to Spot size(S)
D:S=12:1



● 150ms faster sampling time

Features

	8870	8870B	8870V	8871	8872	8873
User selectable °C or °F	*	*	*	*	*	*
Circular laser targeting	*	Single laser	Dual laser	*	*	*
Automatic Data Hold	*	*	*	*	*	*
Auto Power Off	*	*	*	*	*	*
White Backlit LCD Display	*	*	*	*	*	*
Max/Min/Dif/Avg display			*			
Dew-point temperature alarm	*		*	*	*	*
Adjustable emissivity	*		*	*	*	*
Optical resolution	12:1	12:1	12:1	16:1	20:1	30:1
Dew-point temperature & humidity readings.	*			*	*	*
Bluetooth interface		*				*
Memory data with Date/Time stamp		200 points				

Specifications

	8870	8870B	8870V	8871	8872	8873
IR Temp. Range	-50°C to 500°C -58°F to 932°F	-50°C to 380°C -58°F to 716°F	-50°C to 500°C -58°F to 932°F	-50°C to 800°C -58°F to 1472°F	-50°C to 800°C -58°F to 1472°F	-50°C to 1000°C -58°F to 1832°F
IR Temp. Resolution	0.1° up to 1000°, 1° over 1000°					
Basic Accuracy	±2.0% of reading					
Spectral Response	8-14µm					
Response Time	< 150ms	< 400ms	< 400ms	< 150ms		
Humidity	0~100%RH			0~100%RH		
Air Temp.	-30~100°C/ -22~212°F			-30~100°C/ -22~212°F		
Dew Point Temp.	-20~60°C/ -4~140°F			-20~60°C/ -4~140°F		
Emissivity	Adjustable 0.10~1.0					
Humidity Accuracy	±2.5%RH(20%~80%RH)					

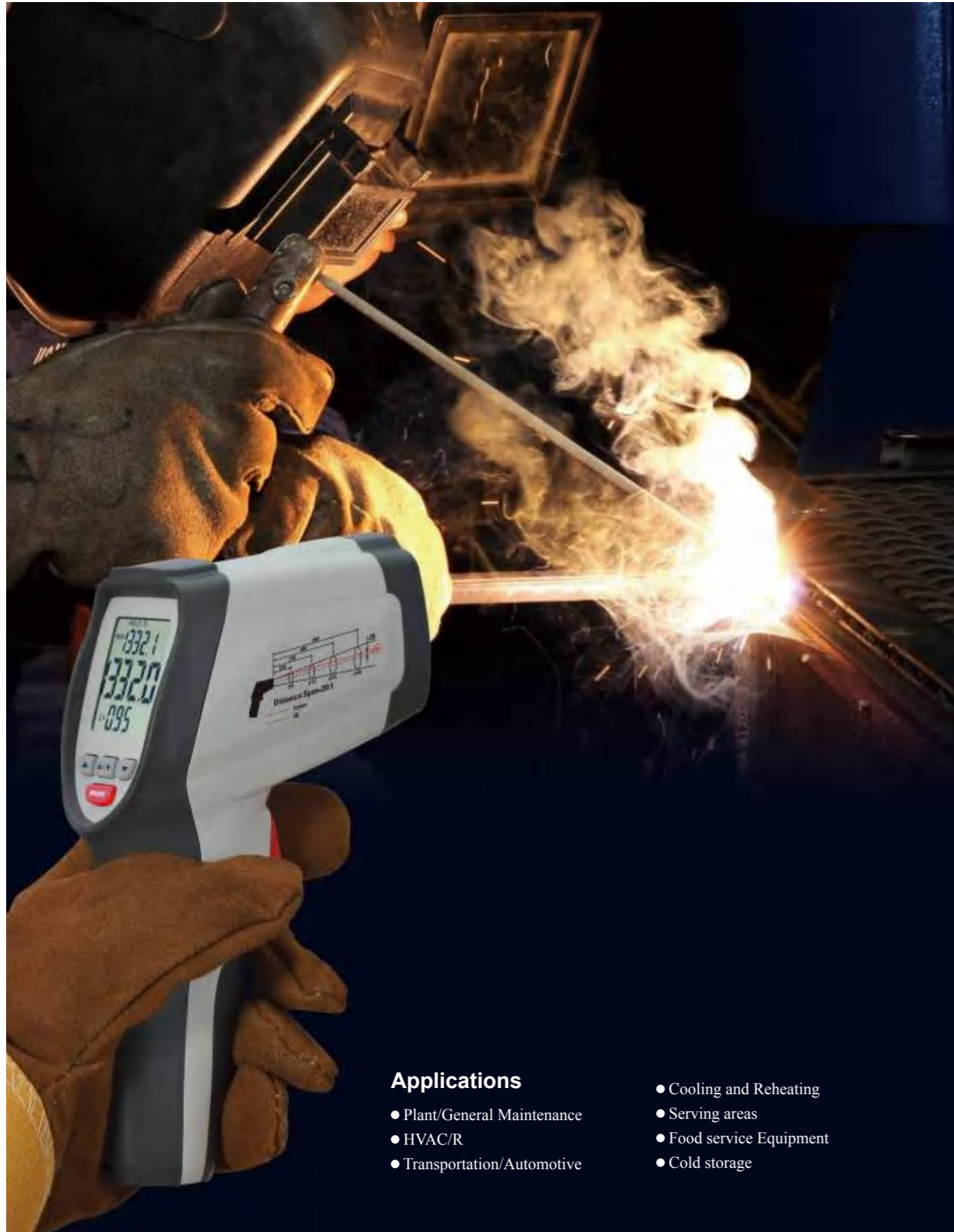
Size(HxWxD): 165mm x 45mm x 85mm
Weight: 163g

Accessories:
9V battery, Carrying case and Gift box.



Model 8873





Applications

- Plant/General Maintenance
- HVAC/R
- Transportation/Automotive
- Cooling and Reheating
- Serving areas
- Food service Equipment
- Cold storage



Circular laser pointers

150ms faster sampling time
1% accuracy

8875/8876 Compact Infrared Thermometers provide much faster and more accurate readings for Infrared Temperature, Dew-point Temperature & Humidity.

- Dust and water-proof: IP54 rated for dust/water proof
- Rugged: 3 m (9.8 ft) drop tested
- Ergonomically designed: Completely redesigned for a more natural hand fit
- Distance to spot: Precise laser technology makes for more accurate and repeatable measurements
- Alarm: Hi and Lo temp. alarms for rapid display of measurements outside the limits
- Accurate readings for infrared temperature, dew-point temperature & humidity.

Features

	8875	8876
User selectable °C or °F	*	*
Dual laser targeting	*	*
Circular laser targeting		*
Automatic Data Hold	*	*
Auto Power Off	*	*
White backlit LCD display	*	*
Overrange indication	*	*
MAX, MIN, DIF, AVG display	*	*
K- Type input	*	*
Adjustable emissivity	*	*
Optical resolution	16:1	20:1
Red backlight & beeper alarm	*	*

Specifications

	8875	8876
IR Temp. Range	-50°C to 850°C -58°F to 1562°F	-50°C to 1000°C 58°F to 1832°F
IR Temp. Resolution	0.1° up to 1000°, 1° over 1000°	
Emissivity	Adjustable 0.10~1.0	
Basic Accuracy	±1.0% of reading	
Response Time	Less than 150ms	
Spectral response	8-14µm	



Model 8875/8876



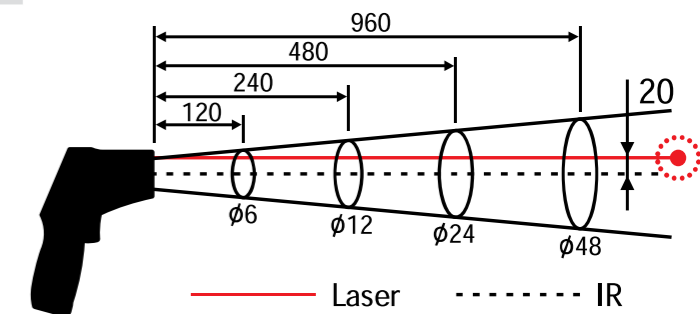
EMC
EN: 61326
EN: 60825-1



Triple LCD display with white backlit



Red backlight alert









Distance:Spot=20:1

Size(HxWxD): 190mm x 55mm x 110mm
Weight: 263g

Accessories:
9V battery, Carrying case and Gift box.

Professional InfraRed Thermometers with Dual Laser targeting

-  Fast response time 0.15 sec.
-   Built-in Dual Laser Pointers focus target (calibrated distance) High accuracy(1.0%) measurement
-   Triple LCD display indicates Reading, Max reading and Emissivity at same time. High contrast LCD with white backlight
-  Double molded housing design



Model 8862B

CE
EMC
EN: 61326
EN: 60825-1



Red backlight alert



Triple LCD display with white backlit

Features	8862B	8863B
User selectable °C or °F	*	*
Dual laser targeting	*	*
Automatic Data Hold	*	*
Auto Power Off	*	*
White Backlit LCD Display	*	*
Overrange indication	*	*
Trigger lock for continuous use	*	*
Max display	*	*
High and low alarm	*	*
Adjustable emissivity	*	*
Optical Resolution	12:1	20:1
Red backlight & beeper alarm	*	*

Specifications	8862B	8863B
IR Temp. Range	-50°C to 650°C -58°F to 1202°F	-50°C to 800°C -58°F to 1472°F
IR Temp. Resolution	0.1° up to 1000°, 1° over 1000°	
Emissivity	Adjustable 0.10~1.0	
Basic Accuracy	±1.0% of reading	
Response Time	Less than 150ms	
Spectral response	8-14µm	

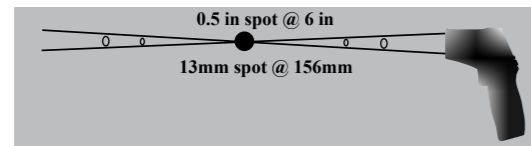
Size(HxWxD): 146mm x 104mm x 43mm

Weight: 163g

Accessories:
9V battery, Carrying case and Gift box.



Distance (D) to Spot size(S)
D:S=12:1



(Unit: mm)

Applications

- Plant/General Maintenance
- HVAC/R
- Transportation/Automotive
- Cooling and Reheating
- Serving areas
- Food service Equipment
- Cold storage

Model 8863B

Worldwide Patent:
PCT/CN2012/082197



Model 8862MAX⁺

- 150ms faster sampling time
- 1% accuracy

● Dual laser pointers



CE
EMC
EN: 61326
EN: 60825-1

Key Benefits

- T-Sound: Changeable beeper indication by temperature
- Green, Red & Blue backlight: Normal, Higher & Lower temperature indications



Model 8862 series



Model 8863/8865

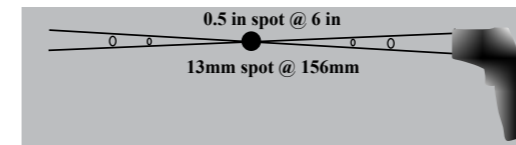
Features	8860L	8860B	8861B	8861	8862	8862MAX ⁺	8863	8865
User selectable °C or °F	*	*	*	*	*	*	*	*
Dual laser targeting	Single laser	Single laser	*	*	*	*	*	*
Automatic Data Hold	*	*	*	*	*	*	*	*
Auto Power Off	*	*	*	*	*	*	*	*
White Backlit LCD Display	*	*	*	*	*	*	*	*
Overrange indication	*	*	*	*	*	*	*	*
Trigger lock for continuous use	*	*	*	*	*	*	*	*
Max display	*	*	*	*	*	*	*	*
High and low alarm	*	*	*	*	*	*	*	*
Adjustable emissivity	*	*	*	*	*	*	*	*
Optical Resolution	12:1	12:1	12:1	12:1	12:1	20:1	20:1	30:1
Green, Red & Blue backlight: Normal, Higher & Lower temperature indications						*		
T-Sound: Changeable beeper indication by Temperature						*		

Specifications	8860L	8860B	8861B	8861	8862/8862MAX ⁺	8863	8865
IR Temp. Range	-50°C to 500°C -58°F to 932°F	-50°C to 450°C -58°F to 842°F	-50°C to 450°C -58°F to 842°F	-50°C to 550°C -58°F to 1022°F	-50°C to 650°C -58°F to 1202°F	-50°C to 800°C -58°F to 1472°F	-50°C to 1000°C -58°F to 1832°F
IR Temp. Resolution	0.1° up to 1000°, 1° over 1000°						
Emissivity	Adjustable 0.10~1.0						
Basic Accuracy	±2.0% of reading		±1.0% of reading				
Response Time	Less than 1s		Less than 150ms				
Spectral Response	8-14µm						

Size(HxWxD): 146mm x 104mm x 43mm
Weight: 163g

Accessories:
9V battery, Carrying case and Gift box.

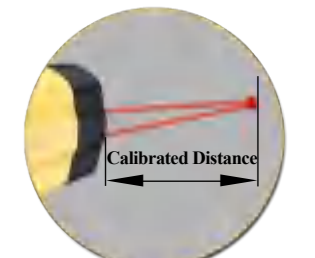
Distance (D) to Spot size(S)
D:S=12:1



(Unit: mm)



Triple LCD display with white backlit



Accurate Measurement



High Quality Lens & Dual laser pointers

32
X
32

IR resolution
32x32 pixels

NETD
0.15°C

Thermal sensitivity
0.15°C (0.27°F)
@ 1Hz and 100°C

839MAX+ is a Professional InfraRed 32x32 pixels Imager Thermometer with 2.4" color TFT LCD display, 32x32 pixels Imagers providing fast, easy and accurate readings for most surface temperature measurements with cloud service.



CE
EMC
EN: 61326-1
EN: 61010-1

Model: 839MAX+

Features

- 32x32 IR temperature measurement resolution
- 2.4" TFT 320x240 Pixels color LCD display
- Image Capture
- Frequency 9Hz
- Thermal Sensitivity (NETD) ≤150 mK
- Hot Spot and Cold Spot Tracking
- Date/time setup controls, Adjustable emissivity & trigger lock
- Li-ion rechargeable battery

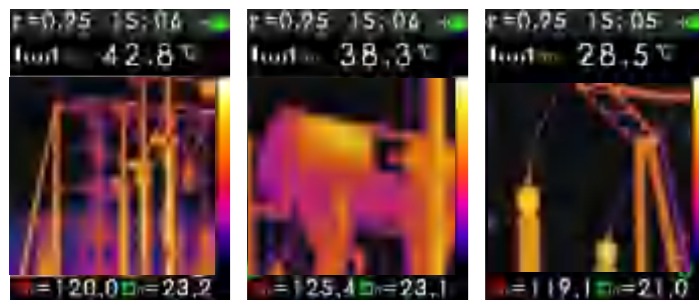
Specifications

Imaging and optical data	
Thermal sensitivity (NETD)	0.15°C (0.27°F) @ 1Hz and 100°C
Image frequency	9Hz
Detector type	Uncooled hyper-thin pyroelectric ceramic
Spectral range	8-14µm
IR resolution	32 x 32 pixels
IR temperature Measurement	
Object temperature range	-50°C to +2000°C (-58°F to +3632°F)
Accuracy	±2°C (±3.6°F) or ±2% of reading
Optical Resolution	50:1
Spotmeter	Center spot
Emissivity adjustable	0.10-1.0 Adjustable
Field of View	33° X 33°

Size(HxWxD): 170mm x 50mm x 95mm

Weight: 280g

Accessories: 3.7V Li battery, USB cable, Carrying case and Gift box



838 Series Professional Infrared Video Thermometers with 2.2" color TFT LCD display & a micro SD memory card for capturing Circular images (BMP) for viewing on your PC, providing fast, easy and accurate readings for most surface temperature measurements. The measurement of dew-point will be very visible for wet and dry proof. These serials products are with international patent and good hands for industrial measurements and data analyzing. The user can be back in office to analyze the measured Infrared temperature readings under the support of software.

- Dust and water-proof: IP54 rated for dust/water proof
- Rugged: 3 m (9.8 ft) drop tested
- Ergonomical design: Perfectly design for a more suitable handheld
- Distance to spot: Precise laser technology allows more accurate and repeatable measurements
- Alarm: Hi and Lo temp. alarms for rapid display of measurements outside the limits
- Accurate readings for infrared temperature



Features

	837MAX+	838MAX+
User selectable °C or °F	*	*
Circular laser targeting	*	*
Automatic Data Hold	*	*
Auto Power Off	*	*
White Backlit LCD Display	*	*
Overrange indication	*	*
Trigger lock for continuous use	*	*
Max Min Dif Avg display	*	*
High and low alarm	*	*
Adjustable emissivity	*	*
Temperature & Humidity	*	*
Type-K input	*	*
Optical Resolution	30:1	50:1
Red backlight & beeper alarm	*	*
Bluetooth interface	*	*
G-Sensor	*	*

Specifications

	837MAX+	838MAX+
IR Temp. Range	-50°C to 1000°C 58°F to 1832°F	-50°C to 1600°C 58°F to 2912°F
IR Temp. Resolution	0.1° up to 1000°, 1° over 1000°	
Emissivity	Adjustable 0.10-1.0	
Basic Accuracy	±2.0% of reading	±1.0% of reading
Response Time	Less than 150ms	
Spectral Response	8-14µm	

Size(HxWxD): 180mm x 50mm x 95mm

Weight: 260g

Accessories: 2 x "AAA" battery, Carrying case and Gift box.



Model 837MAX+

CE
EMC
EN: 61326
EN: 60825-1



Model 838MAX+



835 Series Professional IR Thermometers provide non-contact temperature measurements: Food preparation, Safety and Fire inspectors, Plastic molding, Asphalt, Marine and Screen Printing, Measure ink and dryer temperature, Diesel and Fleet maintenance. Targeting objects become easy with the bright circular laser. Even in the dark, the display is easy to read with the quality backlight.

- Dust and water-proof: IP54 rated for dust/water proof
- Rugged: 3 m (9.8 ft) drop tested
- Ergonomically designed: Completely redesigned for a more natural hand fit
- Distance to spot: Precise laser technology makes for more accurate and repeatable measurements
- Alarm: Hi and Lo temp. alarms for rapid display of measurements outside the limits
- Accurate readings for infrared temperature

Features	835	836
User selectable °C or °F	*	*
Circular laser targeting	*	*
Automatic Data Hold	*	*
Auto Power Off	*	*
White Backlit LCD Display	*	*
Overrange indication	*	*
Trigger lock for continuous use	*	*
Max, MIN, DIF, AVG display	*	*
High and low alarm	*	*
Adjustable emissivity	*	*
Type-K input	*	*
Optical resolution	16:1	20:1

Specifications	835	836
IR Temp. Range	-50°C to 800°C -58°F to 1472°F	-50°C to 1000°C -58°F to 1832°F
IR Temp. Resolution	0.1° up to 1000°, 1° over 1000°	
Emissivity	Adjustable 0.10~1.0	
Basic Accuracy	±2.0% of reading	±1.0% of reading
Response Time	Less than 150ms	
Spectral Response	8-14µm	

Size(HxWxD): 170mm x 50mm x 95mm

Weight: 248g

Accessories:

9V battery, Type K Probe, Carrying case and Gift box.



Model 835



EMC
EN: 61326
EN: 60825-1



Model 836



Triple LCD display with white backlight



830 Series Professional IR Thermometers provide non-contact temperature measurements: Food preparation, Safety and Fire inspectors, Plastic molding, Asphalt, Marine and Screen Printing, Measure ink and dryer temperature, Diesel and Fleet maintenance. Targeting objects are easy with the bright laser beam. Even in the dark, the display is easy to read with the quality backlight.

- Dust and water-proof: IP54 rated for dust/water proof
- Rugged: 3 m (9.8 ft) drop tested
- Ergonomically designed: Completely redesigned for a more natural hand fit
- Distance to spot: Precise laser technology makes for more accurate and repeatable measurements
- Alarm: Hi and Lo temp. alarms for rapid display of measurements outside the limits
- Accurate readings for Infrared Temperature

Features	830	833
User selectable °C or °F	*	*
Dual laser targeting	Single laser	*
Automatic Data Hold	*	*
Auto Power Off	*	*
White Backlit LCD Display	*	*
Overrange indication	*	*
Max, MIN, DIF, AVG display	*	*
High and low alarm	*	*
Adjustable emissivity	*	*
Optical resolution	12:1	12:1

Specifications	830	833
IR Temp. Range	-35°C to 500°C -58°F to 932°F	-35°C to 650°C -31°F to 1202°F
IR Temp. Resolution	0.1° up to 1000°, 1° over 1000°	
Emissivity	Adjustable 0.10~1.0	
Basic Accuracy	±2.0% of reading	±1.0% of reading
Response Time	Less than 150ms	
Spectral Response	8-14µm	



Size(HxWxD): 170mm x 50mm x 85mm

Weight: 238g

Accessories:

9V battery, Carrying case and Gift box.



EMC
EN: 61326
EN: 60825-1



Model 830



Model 833



Worldwide Patent:
PCT/CN2012/082197



Model 810

Model 811/812

810/810B/811/812/813TS Series Low cost mini IR Thermometers provides non-contact temperature measurements: Food preparation, Safety and Fire inspectors, Plastic molding, Asphalt, Marine and Screen Printing, Measure ink and dryer temperature, Diesel and Fleet maintenance. Targeting objects become easy with the bright laser beam. Even in the dark, the display is easy to read with the quality backlight.

- Unique flat surface, mini modern housing design
- Temperature measurements from -50.0°C to 500°C/-58.0°F to 932°F (812)
- Built-in laser pointer identifies target area
- Backlighting illuminates display for taking measurements at night or in areas with low background light levels
- Max / Min record
- Overrange indication
- Auto Data Hold when trigger released
- Auto Power Off



Model 813TS



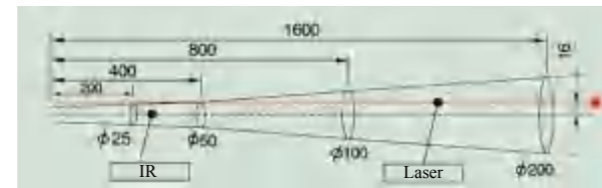
Key Benefits

- T-Sound: Changeable beeper indication by Temperature
- Green, Red & Blue backlight: Normal, Higher & Lower temperature indications

Features	810/810B/811/812/813TS
User selectable °C or °F	*
Laser targeting	*
Automatic Data Hold	*
Auto Power Off	*
White Backlit LCD Display	*
Overrange indication	*
Max / Min record	*
Green, Red & Blue backlight: Normal, Higher & Lower temperature indications	813TS only
T-Sound: Changeable beeper indication by temperature	813TS only

Specifications	810	810B	811	812/813TS
Range	-30°C to 260°C/ -22°F to 500°F	-50°C to 500°C/ -58°F to 932°F	-30°C to 380°C/ -22°F to 716°F	-50°C to 500°C/ -58°F to 932°F
Basic Accuracy	±2% of reading or ±2°C/±4°F			
Resolution	0.1°C/°F			
Response Time	Less than 1 second			
Optical Resolution	8:1 Distance to Spot size			
Emissivity	Fixed at 0.95			

Distance (D) to Spot size(S)
D:S=8:1



(Unit: mm)

Accessories:
9V battery, Carrying case and Clamshell.

Size(HxWxD): 131mm x 96mm x 35mm
Weight: 130g



820/820B/821/822/ Series mini IR Thermometers provide non-contact temperature measurements: Food preparation, Safety and Fire inspectors, Plastic molding, Asphalt, Marine and Screen Printing, Measure ink and dryer temperature, Diesel and Fleet maintenance. Targeting objects become easy with the bright laser beam. Even in the dark, the display is easy to read with the quality backlight.

- Unique flat surface, mini modern and compact housing design
- Temperature measurements from -40.0°C to 650°C/-40.0°F to 1202°F (822)
- Built-in laser pointer identifies target area
- Backlighting illuminates display for taking measurements at night or in areas with low background light levels
- Max / Min record
- Overrange indication
- Auto Data Hold when trigger released
- Auto Power Off



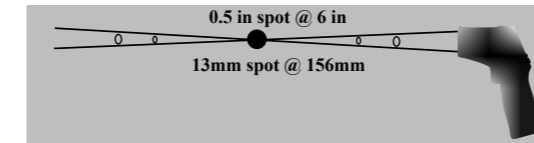
EMC
EN: 61326
EN: 60825-1



● Dual laser pointers

● 150ms faster sampling time
● 1% accuracy

Distance (D) to Spot size(S)
D:S=12:1



(Unit: mm)

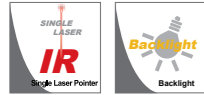
Features	820B	820/821	822
User selectable °C or °F	*	*	*
Targeted scanning for higher/lower temperature	*	*	*
Dual laser targeting	*	*	*
Automatic Data Hold	*	*	*
Auto Power Off	*	*	*
Negativity display		*	*
Overrange indication	*	*	*
Max / Min record	*	*	*
Bluetooth			*

Specifications	820B	820	821	822
Range	-50°C to 500°C/ -58°F to 932°F	-50°C to 380°C/ -58°F to 716°F	-50°C to 500°C/ -58°F to 932°F	-50°C to 650°C/ -58°F to 1202°F
Distance to Spot size	10:1	12:1	12:1	20:1
Response Time	Less than 1s	Less than 150 ms		
Basic Accuracy	±2.0% of reading	±1.0% of reading		
Resolution	0.1°C/°F			
Emissivity	Fixed at 0.95			

Accessories:
9V battery, Carrying case and Clamshell.

Size(HxWxD): 131mm x 96mm x 35mm
Weight: 130g





Model 880 Series



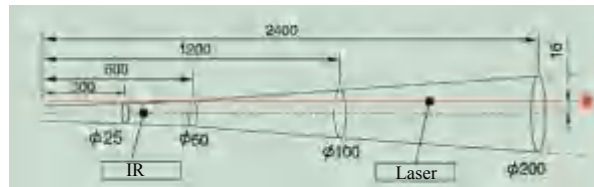
Model 8801 Series



Model 8822 Series

880/8801/8822 Series Compact IR Thermometer provides non-contact temperature measurements: Food preparation, Safety and Fire inspectors, Plastic molding, Asphalt, Marine and Screen Printing, Measure ink and dryer temperature, Diesel and Fleet maintenance. Targeting objects are easy with the bright laser beam. Even in the dark, the display is easy to read with the quality backlit scroll.

Distance (D) to Spot size(S)
D:S=12:1



(Unit: mm)



Features

	880H/880	882H/882	883H/883	8801	8802	8822	8823	8823TS
User selectable °C or °F	*	*	*	*	*	*	*	*
Laser targeting	*	*	*	*	*	*	*	*
Automatic Data Hold	*	*	*	*	*	*	*	*
Auto Power Off	*	*	*	*	*	*	*	*
White Backlit LCD Display	*	*	*	*	*	*	*	*
Overrange indication	*	*	*	*	*	*	*	*
Max / Min record				*	*	*	*	*
High Temperature	880H	882H	883H			*	*	*
High and low alarm								*
T-Sound: Changeable beeper indication by Temperature (8823TS)								
Green, Red & Blue backlight: Normal, Higher & Lower temperature indications (8823TS)								

Specifications

	880H	882H	883H	8801	8802	8822	8823/8823TS
Range	-50°C to 500°C/ -58°F to 932°F	-50°C to 700°C/ -58°F to 1292°F	-50°C to 850°C/ -58°F to 1562°F	-50°C to 330°C/ -58°F to 626°F	-50°C to 380°C/ -58°F to 716°F	-50°C to 550°C/ -58°F to 1022°F	-50°C to 760°C/ -58°F to 1400°F
Optical Resolution (D:S)	8:1 Distance to Spot size			12:1 Distance to Spot size		10:1 Distance to Spot size	
Response Time	Less than 1 second						
Resolution	0.1° up 200°, 1° over 200°						
Basic Accuracy	± 2% of reading or ± 2°C/± 4°F						
Emissivity	Fixed at 0.95						

Accessories:
9V battery, Carrying case and Gift box.

Size(HxWxD): 160mm x 82mm x 42mm
Weight: 177g



EMC
EN: 50081-1, 50082-1
EN: 60825-1



Worldwide Patent:
PCT/CN2012/082197



- 300ms faster sampling time
- 1% accuracy



EMC
EN: 61326
EN: 60825-1

- Dual laser pointers
- Large LCD display



8866/8866TS compact Infrared Thermometer provides much faster, easy, and accurate readings for most surface temperature measurements. Two laser points converge to a single spot when the unit is at the optimal distance from the object being measured.

- 300ms quickest sampling time with 1% accuracy
- Built-in dual laser pointers
- Wide temperature range from -35.0 to 800°C (-31.0 to 1472°F)
- Adjustable emissivity from 0.10 to 1.0
- Unique flat surface, modern housing design

Features

	8866/8866TS
User selectable °C or °F	*
Dual laser targeting	*
Automatic Data Hold	*
Auto Power Off	*
White Backlit LCD Display	*
Overrange indication	*
Trigger lock	*
Max / Min display	*
High and low alarm	*
Adjustable emissivity	*
High Temperature	800°C/1472°F
Optical Resolution (Distance to Spot size)	12:1
Green, Red & Blue backlight: Normal, Higher & Lower temperature indications	8866TS
T-Sound: Changeable beeper indication by Temperature	8866TS

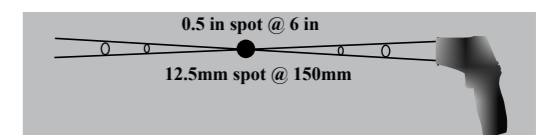


Model 8866TS

Specifications

	8866/8866TS
IR Temp. Range	-35°C to 800°C/ -31°F to 1472°F
IR Temp. Resolution	0.1°C/°F
Optical Resolution	12:1 Distance to Spot size
Emissivity	Adjustable 0.10-1.0
Basic Accuracy	±1.0% of reading
Response Time	Less than 300ms
Spectral Response	8-14µm

Distance (D) to Spot size(S)
D:S=12:1



(Unit: mm)

Size(HxWxD): 160mm x 82mm x 42mm
Weight: 177g

Accessories:
9V battery, Carrying case and Gift box



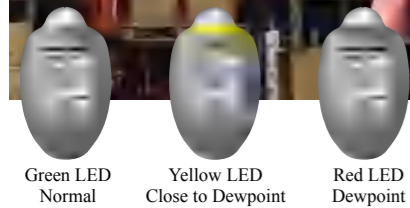
Worldwide Patent:
PCT/CN2012/082197

8662/8663 series Infrared Dewpoint Temperature Detectors are very visible for wet and dry proof. The green LED light will change to yellow and red when reading close to Dewpoint Temperature. It provides faster sampling time and high accuracy, widely applicant in steel, oil & chemical, stove, environment testing, calibration lab, gas production industry etc.

Features	8662	8663
User selectable °C or °F	*	*
Dual laser targeting	*	*
Automatic Data Hold	*	*
White Backlit LCD Display	*	*
Trigger lock for continuous use	*	*
Max display	*	*
Optical Resolution	12:1	20:1

Specifications	8662	8663
IR Temp. Range	-50°C to 260°C / -58°F to 500°F	-50°C to 380°C / -58°F to 716°F
IR Temp. Resolution	0.1°	
Emissivity	0.95	
Temp. Basic Accuracy	±1.0% of reading	
Response Time	Less than 150ms	
Spectral response	8-14µm	
Humidity	0~100%RH	
Humidity Accuracy	±2.5%RH(20%~80%RH)	
Dew Point Temp.	-30~100°C/ -22~199°F; Basic Accuracy: ±2.0% of reading	
Wet Bulb Temp.	-30~100°C/ -22~199°F; Basic Accuracy: ±2.0% of reading	

Size(HxWxD): 82mm x 58mm x 168mm
Weight: 163g
Accessories: 9V battery, Carrying case and Gift box.



DT-8666/8666H Thermal Leak Detector with Audible Alarm



8666/8666H Thermal Leak Detector is visible for higher/lower temperature. It permits targeted scanning to find higher/lower temperature with continuous audible alarm.

Features	8666	8666H
Optical Resolution	10:1	20:1
Threshold for light color transition(off, 1°F, 5°F, 10°F)	*	
Auto-set base temperature for reference	*	
Single laser targeting	*	*
Fixed Emissivity at 0.95	*	*
°C / °F Switchable	*	*
Beeper alarm, Green, Red & Blue light alarm: Normal, Higher & Lower temperature indications	*	*

Specifications	8666	8666H
Temperature Range	-35 to 800°C/-31 to 1472°F	*
Temperature Range	-50 to 380°C/-58 to 716°F	*
Temperature accuracy	±1.0% of reading ±2 °C/°F	*
Response Wavelength range	8-14µm	*
Resolution	0.1°C/°F	*
Emissivity	Adjustable 0.10~1.0	Fixed at 0.95
Response Time	< 500ms	*

Size(HxWxD): 183mm x 131mm x 37mm Accessories:
Weight: 220g 9V battery, Carrying case and Gift box.



Model 8666
• High accurate measurements to 1.0%
• Fast response time 0.5sec
• White Backlit LCD Display

Model 8666H



EMC
EN: 61326
EN: 60825-1



Worldwide Patent:
PCT/CN2012/082197

8665 Infrared Temperature Finder is visible for higher/lower temperature. It permits targeted scanning to find higher/lower temperature with continuous audible alarm. It provides faster sampling time and higher accuracy, widely applicant in industrial and environment field.

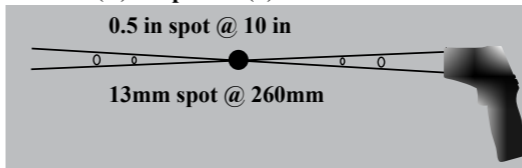
- Targeted scanning for higher/lower temperature
- The position of higher/lower temperature can be precisely found.
- Enables you to work with certainty for Fault diagnosis
- The Audible will alarm when temperature is changed with switchable audible of higher/lower temperature
- LCD display with new target graphics
- Easy keypad operation

Features
T-Sound: Changeable beeper indication by Temperature
User selectable °C or °F
Dual laser targeting
Automatic Data Hold
Auto Power Off
White Backlit LCD Display
Overrange indication
Trigger lock for continuous use
Max/Min display
20:1 distance to target ratio measures smaller surface areas at greater distances
Green, Red & Blue backlight: Normal, Higher & Lower temperature indications

Specifications	
IR Temp. Range	-50°C to 380°C -58°F to 716°F
IR Temp. Resolution	0.1°
Emissivity	Fixed at 0.95
Temp. Basic Accuracy	±1.0% of reading
Response Time	Less than 150ms
Spectral Response	8-14µm



Distance (D) to Spot size(S) D:S=20:1



Size(HxWxD): 82mm x 58mm x 168mm
Weight: 163g

Accessories: 9V battery, Carrying case and Gift box.



Model 8665

- 150ms faster sampling time
- 1% accuracy

- Dual laser pointers



Normal Temperature with Green LED indicator Higher temperature Located with Red LED indicator Lower temperature Located with blue LED indicator



EMC
EN: 61326
EN: 60825-1

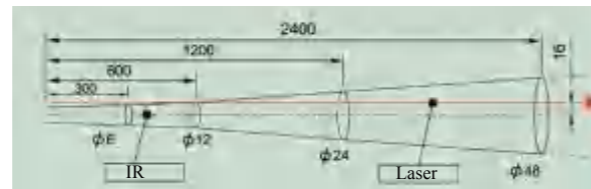




8838/8839/8858/8859/8859H Series provide fast, easy and accurate readings for most surface temperature measurements.

- 150ms faster sampling time with 1% accuracy (8859H)
- High 50 to 1 distance to target ratio measures smaller surface areas at greater distances
- Widest temperature range from -50.0 to 1600°C/-58.0 to 2912°F (8859/8859H)
- Unique flat surface, modern housing design
- Built-in laser pointer
- Automatic Data Hold
- Max, Min, DIF, AVG record
- High and low temperature alarm
- Adjustable emissivity

Distance (D) to Spot size(S)
D:S=50:1



(Unit: mm)

Features	8838	8839	8858	8859	8859H
Optical Resolution (D:S)	30:1	50:1	50:1	50:1	50:1
High Temperature	1000°C/ 1832°F	1000°C/ 1832°F	1300°C/ 2372°F	1600°C/ 2912°F	1600°C/ 2912°F
User selectable °C or °F	*	*	*	*	*
Laser targeting	*	*	*	*	*
Automatic Data Hold	*	*	*	*	*
Auto Power Off	*	*	*	*	*
White Backlit LCD Display	*	*	*	*	*
Overrange indication	*	*	*	*	*
Max, Min, DIF, AVG record	*	*	*	*	*
High / low alarm, Trigger lock	*	*	*	*	*
Adjustable emissivity	*	*	*	*	*
150ms faster sampling time with 1% accuracy					*

Model 8839

50 : 1 distance to spot size

High Temperature
1600°C (2912°F)

Model 8858

Model 8859

Specifications	8838	8839	8858	8859	8859H
Range	-50°C to 1000°C/ -58°F to 1832°F	-50°C to 1000°C/ -58°F to 1832°F	-50°C to 1300°C/ -58°F to 2372°F	-50°C to 1600°C/ -58°F to 2912°F	-50°C to 1600°C/ -58°F to 2912°F
Response Time	Less than 1 second	Less than 1 second	Less than 1 second	Less than 1 second	Less than 150 mS
Optical Resolution (D:S)	30:1	50:1	50:1	50:1	50:1
Resolution	0.1° up to 2000°, 1° over 2000°				
Basic Accuracy	±1.5% of reading or ±2°C/±4°F				
Emissivity	Adjustable 0.10-1.0				



Size(HxWxD): 220mm x 120mm x 56mm
Weight: 290g

Accessories:
9V battery, Carrying case and Gift box.



16 : 1 distance to spot size

High Temperature 1000°C (1832°F)



EMC
EN: 61326
EN: 60825-1

- High 16 to 1 distance to target ratio measures smaller surface areas at greater distances (8818H/8819H/8826H/8828H)
- Widest temperature range from -50.0 to 1000°C /-58.0 to 1832°F (8828/8829)
- Unique flat surface, modern housing design
- Built-in laser pointer
- Automatic Data Hold
- Max, Min, DIF, AVG record
- High and low temperature alarm
- Adjustable emissivity
- 8818H/8819H/8826H/8828H Optical Resolution is 16:1 Distance to Spot size
- 8829 Optical Resolution is 50:1 Distance to Spot size

Features

	8818H/8818	8819H/8819H	8826H/8828H /8828	8829
User selectable °C or °F	*	*	*	*
Laser targeting	*	*	*	*
Automatic Data Hold	*	*	*	*
Auto Power Off	*	*	*	*
Backlit LCD Display	*	*	*	*
Overrange indication	*	*	*	*
High Temperature			*	*
Max, Min, DIF, AVG record	*/-	*/-	*/*/-	*
High and low alarm	*/-	*/-	*/*/-	*
Adjustable emissivity	*0.95	*0.95	*/*0.95	0.95
Trigger lock	*/-	*/-	*/*/-	*

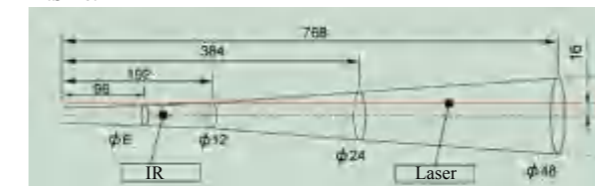
Specifications

	8818H/8818	8819H/8819	8826H	8828H/8828	8829
Range	-50°C to 550°C (-58°F to 1022°F)	-50°C to 750°C (-58°F to 1382°F)	-50°C to 900°C (-58°F to 1652°F)	-50°C to 1000°C (-58°F to 1832°F)	-50°C to 1000°C (-58°F to 1832°F)
Distance to Spot size	16:1 Distance to Spot size				50:1 Distance to Spot size
Emissivity	Adjustable 0.1-1.0 (8818H, 8819H, 8826H, 8828H)				Fixed at 0.95
Response Time	Less than 1 second				
Resolution	0.1° C/°F (8818H, 8819H, 8826H, 8828H); 0.1° up to 200°, 1° over 200° (8818, 8819, 8828, 8829)				
Basic Accuracy	± 1.5% of reading or ± 2°C/± 4°F				

Size(HxWxD): 220mm x 120mm x 56mm
Weight: 290g

Accessories:
9V battery, Carrying case and Gift box

Distance (D) to Spot size(S)
D:S=16:1



(Unit: mm)



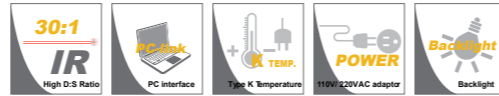
Model 8826H

Model 8828H

Model 8829



8855/8856 compact Infrared Thermometers provide fast, easy and accurate readings for most surface temperature measurements with Wireless USB Interface (RF 433MHz)



- 30 : 1 distance to spot size
- IR thermometer with type K temperature measurement

- Dual laser pointers(8856)
- Wireless USB Interface(RF 433MHz)
- 20 Points Memory

- Wireless USB Interface (RF 433MHz)
- High 30:1 distance to target ratio measures smaller surface areas at greater distances
- Widest temperature range from -50.0 to 1050°C (-58.0 to 1922°F)
- 150ms faster sampling time (8856)
- Built-in dual laser pointers focus target for high accuracy measurement (8856)
- Built-in single laser pointers focus target for high accuracy measurement (8855)
- Analog output (8855)
- Automatic capture emissivity for targeting
- Unique flat surface, modern housing design
- Type K temperature measurement



Model 8856

Applications

- Plant/General Maintenance
- HVAC/R
- Transportation/Automotive
- Cooling and Reheating
- Serving areas
- Food service Equipment
- Cold storage



EMC
EN: 61326
EN: 60825-1



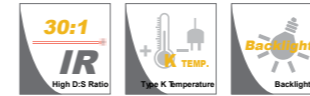
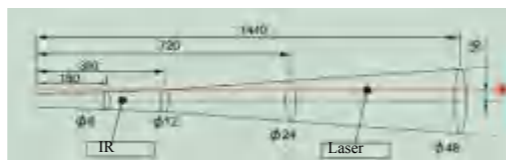
Accessories:
9V battery, Carrying case and Gift box, type K temperature probe, RF transmitter, power supply, tripod, PC Interface, CD Software.

Features	
User selectable °C or °F	8855/8856 *
Laser targeting	*
Automatic Data Hold	*
Auto Power Off	*
White backlit LCD display	*
Overrange indication	*
Trigger lock	*
Max, Min, DIF, AVG record	*
High and low alarm	*
Adjustable emissivity	*
Type K temperature measurement	*
High temperature	1050°C/1922°F
Wireless USB interface(RF 433MHz)	*
Optical resolution (Distance to Spot size)	30:1

Specifications	
IR Temp. Range	8855/8856 -50°C to 1050°C/ -58°F to 1922°F
IR Temp. Resolution	0.1° up to 2000°, 1° over 2000°
Optical Resolution	30:1 Distance to Spot size
Type K Temp. Range	-50°C to 1370°C/ -58°F to 2498°F
Type K Temp. Resolution	0.1° up to 2000°, 1° over 2000°
Response Time	Less than 150ms (8856)
Response Time	Less than 1 second (8855)
Basic Accuracy	±1.5% of reading
Emissivity	Adjustable 0.10~1.0

Size(HxWxD): 180mm x 106mm x 48mm
Weight: 250g

Distance (D) to Spot size(S)
D:S=30:1 (Unit: mm)



- IR Thermometer with Type K Input and 20 Points Memory
- Automatic capture emissivity for targeting

8830/8831/8832/8833/8833B/8833H/8835/8835TS compact Infrared Thermometers provide fast, easy, and accurate readings for most surface temperature measurements with Type K Input and 20 Points Memory.

30 : 1 distance to spot size

Worldwide Patent:
PCT/CN2012/082197



Model 8830



Model 8831



Model 8832

Features	8830	8831	8832	8833B	8833	8833H	8835/8835TS
User selectable °C or °F	*	*	*	*	*	*	*
Laser targeting	*	*	*	*	*	*	*
Automatic Data Hold	*	*	*	*	*	*	*
Auto Power Off	*	*	*	*	*	*	*
White backlit LCD display	*	*	*	*	*	*	*
Overrange indication	*	*	*	*	*	*	*
Trigger lock	*	*	*	*	*	*	*
Max, Min, DIF, AVG record	*	*	*	*	*	*	*
High and low alarm	*	*	*	*	*	*	*
Adjustable emissivity	*	*	*	*	*	*	*
Type K temperature measurements	*	*	*	*	*	*	*
Max. temperature	380°C/ 716°F	480°C/ 896°F	580°C/ 1076°F	500°C/ 932°F	800°C/ 1472°F	850°C/ 1562°F	1050°C/ 1922°F
Optical resolution	13:1					30:1	

Green, Red & Blue backlight: Normal, Higher & Lower temperature indications (8835TS)
T-Sound: Changeable beeper indication by Temperature (8835TS)

Specifications	8830	8831	8832	8833B	8833	8833H	8835/8835TS
IR Temp. Range	-32 to 380°C -25.6 to 716°F	-32 to 480°C -25.6 to 896°F	-32 to 580°C -25.6 to 1076°F	-50 to 500°C -58 to 932°F	-50 to 800°C -58 to 1472°F	-50 to 850°C -58 to 1562°F	-50 to 1050°C -58 to 1922°F
Optical Resolution	13:1					30:1	
IR Temp. Resolution	0.1°C/°F						
Type K Temp. Range	-50°C to 1370°C/-58°F to 2498°F						
Type K Temp. Resolution	0.1° up to 2000°, 1° over 2000°						
Response Time	Less than 1 second						
Basic Accuracy	±1.5% of reading						
Emissivity	Adjustable 0.10~1.0						

Size(HxWxD): 180mm x 106mm x 48mm
Weight: 250g
Accessories: 9V battery, Carrying case, clamshell and type K temperature probe



EMC
EN: 61326
EN: 60825-1



Temperature probe
(Optional: NR-31B / TP-500 / TCP-100)

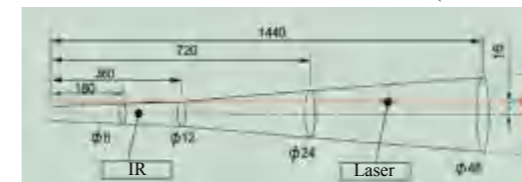


Thermistor clamp



TCP-100

Distance (D) to Spot size(S)
D:S=30:1 (Unit: mm)



Applications

- Plant/General Maintenance
- HVAC/R
- Transportation/Automotive
- Cooling and Reheating
- Serving areas
- Food service Equipment
- Cold storage



Model IR-230A

Model IR-230B

Model IR-230C

The online Infrared Temperature sensor provides the advantages of infrared temperature measurement in a compact, designed to measure target temperature stability of production line.

Specifications	230A	230B	230C
Output	10mV/°C	0 ~5V	4 ~20mA
Temperature range	0 to 230°C (32 to 446°F)	0 to 230°C (32 to 446°F)	0 to 230°C (32 to 446°F)
Distance to spots	4:1	4:1	4:1
Sampling time	500ms(95%)	500ms(95%)	500ms(95%)
Spectral	8~14µm	8~14µm	8~14µm
Accuracy	+/-1%	+/-1%	+/-1%
Emissivity	Fixed at 0.95	Fixed at 0.95	Fixed at 0.95

Size(HxWxD): 85mm x Φ12mm **Weight:** 50g

Accessories : Cable and Gift box .

IR-91 Panel InfraRed Thermometer



Model IR-91

Features
User selectable °C or °F
Automatic Data Hold
Auto Power Off
Low battery indication
Set Min, Max, Lock

Specifications	
Range	-35°C~900°C/ -31°F~1652°F
Response Time	Less than 500ms
Resolution	0.1°C/°F
Basic Accuracy	±1.5% or ±2°C/±4°F
Optical Resolution	50:1 Distance to Spot size
Emissivity	0.1 ~ 1.0 (adjustable)
Power	230 VAC (±10%), 0.1 A, switchable 50/60 Hz or 12 ~24 DCV

Size(HxWxD): 71mm x 71mm x 87mm

Weight: 268g

Accessories : Stand, Cable and Gift box .

IR-82 InfraRed Thermometer Probe



Model IR-82

- 8:1 Distance to Spot size ratio
- Built-in laser pointer
- Built-in Analog output of 1 mV/°C or °F & °C/°F switchable
- Compatible with multimeters, clamp meters, oscilloscope and industrial applications etc
- Ideal for applications where object being measured cannot be touched
- Provides instant , highly repeatable readings & Low battery indication



EMC
EN: 61326
EN: 60825-1

Distance (D) to Spot size(S)
D:S=8:1



(Unit: mm)

Specifications	
Range	-35°C~550°C/ -31°F~1022°F
Response Time	Less than 500ms
Resolution	1mV/°C or °F
Basic Accuracy	±2% or ±2°C/±4°F
Optical Resolution	8:1
Emissivity	Fixed at 0.95
Battery	9V

Size(HxWxD): 166mm x 53mm x 40mm

Weight: 189g

Accessories :

9V battery, Clamshell

BX-350/BX-500/BXL-500P portable IR calibrators are used for calibrating long distance Infrared Thermometer, which are designed as handhold and small calibrators.



EMC
EN: 61326

Specifications	BX-350	BX-500	BXL-500P
Temperature Range	50°C ~ 350°C (122°F ~ 662°F)	50°C ~ 500°C (122°F ~ 932°F)	35°C ~ 500°C (95°F ~ 932°F)
Accuracy	±0.5°C @ 100°C (±1.0°F @ 212°F) ±1.2°C @ 350°C (±2.4°F @ 662°F)	±0.5°C @ 100°C (±1.0°F @ 212°F) ±1.8°C @ 500°C (±3.6°F @ 932°F)	±0.5°C @ 100°C (±1.0°F @ 212°F) ±1.8°C @ 500°C (±3.6°F @ 932°F)
Stability	±0.1°C @ 100°C (±0.2°F @ 212°F) ±0.2°C @ 350°C (±0.4°F @ 662°F)	±0.1°C @ 100°C (±0.2°F @ 212°F) ±0.3°C @ 500°C (±0.6°F @ 932°F)	±0.1°C @ 100°C (±0.2°F @ 212°F) ±0.3°C @ 500°C (±0.6°F @ 932°F)
Target size	2.25" (57mm)	2.25" (57mm)	6" (152.4mm)
Target Emissivity	0.95	0.95	0.95
Resolution	0.1°C/°F	0.1°C/°F	0.01°C/°F up to 300°; 0.1°C/°F over 300°;
Heating Time	30 minutes to max	40 minutes to max	30 minutes to max
Cooling Time	30 minutes max to 100°C	45 minutes max to 100°C	40 minutes max to 100°C
Power	230 VAC (±10%), 1.5 A; or 110V AC, 3A		



Model BXL-500P

New accredited performance for point-and-shoot calibrations (BXL-500P)

Whether you're using in-line or handheld infrared pyrometers, you need a high performance calibration standard to verify accuracy. Portable IR Calibrator provides a stable blackbody target for calibrating non-contact IR thermometers up to 500°C (BX-500/BXL-500P).

The portable IR calibrator features a large temperature controlled blackbody target with a diameter of 2.25" (57 mm), which offers a wide field of view area for optical variations in IR thermometers. With an emissivity of 0.95, the isothermal target can be controlled in set-point increments of 0.1° from 50°C to 500°C (BX-500)/ 35°C to 500°C (BXL-500P)

For even higher precision, a contact calibration well is located directly behind the blackbody surface. Using an optional digital RTD thermometer and calibrated secondary probe, accuracies of ±0.1°C can be achieved.



Size(HxWxD): 180mm x 114mm x 233mm

Weight: 2682g

Accessories: Carton box, AC power cable.



Model BX-350

BX-150 Dry-Well Temperature Calibrator

The new heat source to check your thermometer's accuracy up to 300°C/572°F. Simply set the heat source to the desired test point, insert the test probe into the best fitting well, and get a verification of the performance. It's that easy!

Specifications	
Range	33°C to 300°C (91.4°F to 572°F)
Resolution	0.1°C/°F
Accuracy	±0.5°C (33 to 199°C) & ± 1°C (200 to 300°C) ±0.9°F (91.4 to 390.2°F) & ± 1°F (392 to 572°F)
Stability	±0.5°C
Heating Time	ambient to 300°C (572°F) after 10 minutes
Cooling Time	300°C (572°F) to 100°C (212°F) after 10 minutes
Stabilization	5 minutes
Well Depth	4" (100mm)
Power	230/115 volts

Size(HxWxD): 180mm x 114mm x 233mm **Accessories:** Box, AC power cable.

Weight: 2200g



EMC
EN: 61326



Model BX-150



EMC
EN: 61326
EN: 60825-1



Model IR-95
HACCP approved

IP65 waterproof

500ms faster sampling time

The IR-95 Food Safety infrared and contact thermometer for surface scans with a probe thermometer and alarm monitoring for internal temperature readings.

Features	
Built-in fold-out probe for measuring internal food temperatures	
Probe temperature range -40 to 230 °C	
High and low alarm	
Backlit display for clear readings in poorly lit areas	
IP65 waterproof	
Mini modern housing design	
Flashlight	

Specifications	
IR Temp. Range	-40°C to 280°C/-40°F to 536°F
Response Time	Less than 500ms
Optical Resolution	4:1 Distance to Spot size
Thermistor Temperature Range	-40°C to 230°C/-40°F to 446°F
Emissivity	Fixed at 0.97
Resolution	0.1°C/°F
Basic Accuracy	±1.0% of reading



Size(HxWxD): 50mm x67mm x 185mm
Weight: 180g
Accessories:
2X1.5V "AAA" batteries, Clamshell.

The 160/161 is a waterproof folding thermometer which offers handy, practical and strong support when carrying out temperature measurements. The thermometer features IP67 class protection and can be used under all conditions. It can also be easily cleaned under running water and has a rubber-coated surface for non-slip handling. The 161 has a large, illuminated display for easy and error-free viewing of measurement data under poor lighting conditions.

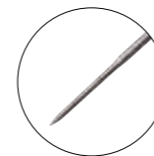
- Compact 5.9" size (15 cm)
- Ideally suited to core temperature measurements
- IP67 protection
- Non-slip rubber coated surface
- Large, illuminated readout display
- ABS/TPE/Metal housing



EMC
EN: 61326
EN: 13485
EN: 60825-1

Features	
Measuring temperature range	-50 to 300°C / -58 to 572°F (161) -50 to 260°C / -58 to 500°F (160)
Accuracy	±2°C / ±3.6°F (-50°C to -20°C / -58 to -4°F) ±1°C / ±1.8°F (-20°C to 100°C / -4 to 212°F) ±1% (100°C to 300°C / 212 to -572°F)
Resolution	0.1°C / 0.1°F
Battery	2 x1.5V "AAA" batteries / 800 hr battery life
Material/Housing	ABS

Size(HxWxD): 150mm x 45mm x 20mm
Weight: 50g
Accessories :
2 x1.5V "AAA" batteries, Clamshell



Probe is suitable for various field test



Solid metal surface



Compact size



IP67 waterproof



Model 161
HACCP approved

IR-97 Food Safety Infrared Thermometer

The Food Safety infrared non-contact thermometer for surface scans with a probe thermometer for internal temperature readings. An integrated countdown timer with alarm monitors line checks as well as cooking and cooling intervals.

Features	
Built-in fold-out probe for measuring internal food temperatures	
Probe temperature range -40 to 200 °C	
Countdown timer to monitor cooking, cooling and HACCP exposure times	
Backlit display for clear readings in poorly lit areas	
MAX temperature displayed for quick reference	

Specifications	
IR Temp. Range	-40°C to 280°C/-40°F to 536°F
Response Time	Less than 500ms
Optical Resolution	20:1 Distance to Spot size
Emissivity	Fixed at 0.97
Thermistor Temperature Range	-40°C to 200°C/-40°F to 392°F
Resolution	0.1°C/°F
Basic Accuracy	±1.0% of reading

Size(HxWxD): 50mm x67mm x 185mm
Weight: 180g
Accessories:
9V battery, Clamshell.



EMC
EN: 61326
EN: 60825-1



Model IR-97



EMC
EN: 61326
EN: 60825-1

HACCP approved

162W/163W professional wireless BBQ thermometer measures the core temperature of grilled food, transmits it wirelessly to a portable display, signals its doneness and gives an acoustic and visual alarm when the cooking time is about to be exceeded. A temperature probe measures the temperature of the grilled or pan-fried food, while the transmitter sends the data to the portable receiver over a distance of up to approx. 30m. The receiver features an acoustic voice output in five languages. The temperature can be displayed in °C or °F. The stainless steel temperature probe can be disassembled from the transmitter for easy cleaning.
162 BBQ thermometer is with single measuring probe
162W wireless BBQ thermometer is with single measuring probe.
163W wireless BBQ thermometer is with dual measuring probes.

Features

	162	162W	163W
Food and cooking temperature of the wireless transmission functions/Transmitter range		433MHz/30m	433MHz/30m
Probe measurement	Single	Single	Dual
LED for signal indication	*	*	*
Temperature and Time gauge alarm functions	*	*	*
Food type and taste level selection	*	*	*
Food, temperature and time display	*	*	*
°C/°F temperature selection	*	*	*
Backlight function	*	*	*
Power supply	2x1.5AAA	4x1.5AAA	4x1.5AAA

Specification

Temperature range	-40 to 230°C / -40 to 446°F
Temperature accuracy	±1% ±1°C / ±1% ±1.8°F

Size(HxWxD): 105mm x 58mm x 30mm
Weight: 350g



EMC
EN: 61326
EN: 60825-1

HACCP approved



Model: 162



Model: 162W



Model: 163W

IR-92/93 Series The Non-contact Infrared Thermometers can be used to measure the temperature of objects' surface that is improper to be measured by traditional (contact) thermometer (such as moving object, the surface with electricity current or the objects which are uneasy to be touched.)



Model IR-92



Features

	IR-92	IR-93
User selectable °C or °F	*	*
Laser targeting	*	*
Automatic Data Hold	*	*
Auto Power Off	*	*
Overrange indication	*	*
For food	*	*

Specifications

	IR-92	IR-93
Temperature Range	-35 to 300°C / -31 to 572 °F	-18 to 300°C / 0 to 572 °F
D:S	4:1	8:1
Temperature accuracy	Blow 39°F (4°C) ±3.6°F (2°C) 39 to 150°F (4 to 65°C) ±2°F (1°C) Above 149°F (65°C) ±(1%+2°F(1°C)) of reading.	±3.6 °F (2°C) or ±2% of reading
Response Wavelength range	8-14um	
Resolution	0.1	
Emissivity	Fixed at 0.97	Fixed at 0.95
Response Time	About 150ms	
Laser wavelength	630-660nm	
Laser class	Class 2	
Low power indication	Yes	

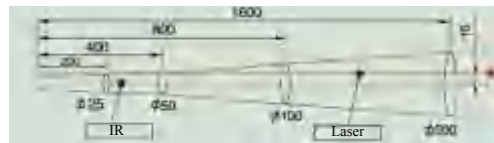
Size(HxWxD): 186mm x45mm x 38mm
Weight: 190g

Accessories:
9V battery, Clamshell.



EMC
EN: 61326
EN: 60825-1

Distance (D) to Spot size(S)
D:S=8:1



(Unit: mm)

IR-96 Food Safety IR Thermometer with thermistor probe



Model IR-96



EMC
EN: 61326
EN: 60825-1

Features

- User selectable °C or °F
- Data Hold & Auto Power Off
- Overrange indication
- Max, Min record
- IR with probe temperature

Specifications

IR Temp. Range	-35°C to 260°C/ -31°F to 500°F
IR Temp. Resolution	0.1°C/°F
Optical Resolution	1:1 Distance to Spot size
Emissivity	Adjustable 0.10-1.0
Thermistor Temperature Range	-40°C to 260°C/ -40°F to 500°F
Resolution	0.1°C/°F
Response Time	Less than 1 second
Basic Accuracy	±2% of reading

Size(HxWxD): 140mm x 42mm x 25mm
Weight: 80g
Accessories: CR2032 Button battery, Clamshell.

DT-880B Food Thermometer with Red/Green LED indication



Model 880B



EMC
EN: 61326
EN: 60825-1

- High Accuracy for food temperature measurement.
- Set alarm & Sound alarm if temperature is exceeded.
- Digital LCD display with backlit.
- Data displayed in Celsius or Fahrenheit.
- Auto power off (energy saver).
- Small, convenient, easy to use.

Specifications

Surface Temp.range	-50.0 to 200°C(-58°F to 392°F)
Basic Accuracy	±0.3°C/±0.6°F at 30°C~40°C/ 86°F~104°F Range
Optical Resolution	8:1 Distance to Spot size
Resolution	0.1° C/F
Response Time	Less than 1 second
Emissivity	Fixed at 0.95

Size(HxWxD): 160mm x 82mm x 42mm
Weight: 177g
Accessories:
9V battery, Carrying case and Gift box.

Specifications

Temp range	-40 to 70°C
Temp accuracy	±0.5°C
Humidity range	0 to 100%RH
Humidity accuracy	±3%RH
Temp K range	-200 to +1 370 °C
Temp K accuracy	Above -100°C: 0.15% rgd +1.0 °C Below -100°C: 0.5% rgd +2.0 °C
Resolution	0.1 °C (-99.9 to +999.9 °C) 1 °C (residual range)
Protection class	IP54
Measurement rate	5 sec to 24 h (15 minutes default)
Communication rate	5 sec to 24 h (15 minutes default)
Memory	8,000 readings/channel
Battery life	12 months at +25°C, 15 min measuring cycle, 15min day communication cycle
Voltage supply	4 x AA batteries Mains unit optional for temperatures below -10°C please use Energizer batteries
Radio frequency	2.4 GHz (IEEE 802.11 b/g/n)
Encryption method	WEP, WPA, WPA2 (TKIP, AES)



Size(HxWxD): 68mm x 108mm x 35mm Weight: 172g
Accessories: Li-ion battery, charger, adaptor and gift box.

IR-100 2 in 1 Food Safety Infrared Thermometer

IR-100 2 in 1 Food safety Infrared Thermometer with a platinum probe is a fully integrated temperature measuring device for managing HACCP and inspection programs for retail and food service organizations. It is with bluetooth for a mobile application, cloud-based enterprise server and easy to read the temperature shown on the smartphone by APP.

Features

- 2 in 1 Food safety Infrared Thermometer with a platinum probe
- Manage Food Quality and HACCP
- Platinum probe for high accurate measurement
- Infrared thermometer for surface temperature scanning
- LED indication for cold and hot food temperature
- Data Hold & Auto Power Off
- Overrange indication
- Max, Min record
- User selectable °C or °F
- Bluetooth Interface and Andriod/iOS APP software
- Rechargeable Li-ion battery with charger

Specifications

IR Temp. Range	-40°C to 300°C/ -40°F to 572°F
IR Temp. Resolution	0.1°C/°F
Optical Resolution	2:1 Distance to Spot size
Emissivity	Fixed at 0.97
Platinum Thermistor Temperature Range	-40°C to 300°C, -40°F to 572°F
Resolution	0.1°C/°F
Response Time	Less than 1 second
Basic Accuracy	±0.6°C/ ±1.1°F

Size(HxWxD): 176mm x 55mm x 41mm Weight: 210g
Accessories: Li-ion battery, charger, adaptor and gift box.



EMC
EN: 61326
EN: 60825-1



Model 270KT



IR-100 2 in 1 Food Safety Infrared Thermometer

IR-100 2 in 1 Food safety Infrared Thermometer with a platinum probe is a fully integrated temperature measuring device for managing HACCP and inspection programs for retail and food service organizations. It is with bluetooth for a mobile application, cloud-based enterprise server and easy to read the temperature shown on the smartphone by APP.

Features

- 2 in 1 Food safety Infrared Thermometer with a platinum probe
- Manage Food Quality and HACCP
- Platinum probe for high accurate measurement
- Infrared thermometer for surface temperature scanning
- LED indication for cold and hot food temperature
- Data Hold & Auto Power Off
- Overrange indication
- Max, Min record
- User selectable °C or °F
- Bluetooth Interface and Andriod/iOS APP software
- Rechargeable Li-ion battery with charger

Specifications

IR Temp. Range	-40°C to 300°C/ -40°F to 572°F
IR Temp. Resolution	0.1°C/°F
Optical Resolution	2:1 Distance to Spot size
Emissivity	Fixed at 0.97
Platinum Thermistor Temperature Range	-40°C to 300°C, -40°F to 572°F
Resolution	0.1°C/°F
Response Time	Less than 1 second
Basic Accuracy	±0.6°C/ ±1.1°F

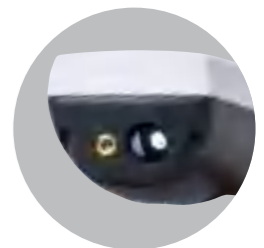
Size(HxWxD): 176mm x 55mm x 41mm Weight: 210g
Accessories: Li-ion battery, charger, adaptor and gift box.



Model: IR-100



EMC
EN: 61326
EN: 60825-1





EMC
EN: 61326
EN: 60825-1



High Quality Sensor

Model 70



DT-70 is a handy measuring instrument for fast testing of cooking oils. It can display the temperature of the cooking oil and TPM value. The TPM value (total polar materials) enables a statement on the ageing of cooking oils due to the effects of heat.

Features

Display the temperature of the cooking oil: Indicator for correct setting of the deep fat fryer, checking of integrated temperature displays.
Display the TPM value: Indicator for the aging of the cooking oil.
The sensor works on a capacitive basis and determines as the reading the total polar materials as a %.

Specifications

Measuring range	Temperature: 40.0 to 200°C;(104.0 to 392.0°F) TPM: 0 to 40%
Accuracy	Temperature:±1.5°C TPM: ±2%
Resolution	Temperature:0.1°C TPM: 0.5%
Battery life	approx 25h of continuous operation(corresponds to 500 measurements)
Operating temperature	0 to 50 °C
Storage/transport temperature	-20 to 70 °C
TPM response time	< 30s
Dimensions (LxWxH)	365x48x31
Housing material	ABS+PC 、 TPE
Protection class	IP68

Size(HxWxD): 365mm x 48mm x 26mm

Weight: 248g

Accessories:

2x1.5V“AAA”batteries, Carrying case and Gift box.

DT-71/72 Beer flow meters



EMC
EN: 61326
EN: 60825-1

Model 71



71/72 Beer flow meters can be used to measure and control beer flow with one or four channels.

Specifications

	71	72
Flow range	0.3-6 L/min	0.3-6 L/min
Operation Temperature range	<70 °C	<70 °C
Operation Humidity range	35% to 90%RH	35% to 90%RH
Default Pressure	<1.75Mpa	<1.75Mpa
Storage Temperature	-25 to 80 °C	-25 to 80 °C
Storage Humidity	25% to 95%RH	25% to 95%RH
Accuracy	±2%	±2%
Resolution	1mL	1mL
Channels	1	4
Interface	Micro USB(HID)	Micro USB(HID)
Sampling time	1 h	1 h
Data memory	30 days	30 days
Power supply	mini USB	mini USB

Size(HxWxD): 175mm x 50mm x 45mm

Weight: 150g

Accessories:

External USB power supply, Carrying case and Gift box.

The 130/131 contact thermometers offer fast response and laboratory accuracy. These thermometers offer 0.1°C/0.1°F resolution over the entire measurement ranges. A rugged holster protects both models.

- Easy to use: Remove the protective sheath, press the ON/OFF button and insert into the testing area.
- LCD screen shows readings in Fahrenheit or Celsius
- Range: -40° to +250° C/ -40° to +482° F
- 132 is pen type humidity & temperature meter

Faster Reaction time 6s (133A)

High Accuracy



EMC
EN: 61326
EN: 60825-1

Model 133A

Features

	130	131/133	132	133A
User Selectable °C or °F	*	*	*	*
Resolution 0.1°C/0.1°F	*	*	*	*
Sampling time 2.0 seconds	*	*	*	0.5s
Reaction time	10s	10s	10s	6s
LCD display	*	*	*	*
Max / Min Hold and Data Hold		*	*	*
Auto Power Off	*	*	*	*
Humidity & Temperature measurement			*	Temp.
2.0mm Diameter probe shaft tip				*

Specifications

Function	Range	Basic Accuracy
Temperature	-40°C~250°C/ -40°F~482°F	±1.5%
Humidity	10%RH~95%RH	±3.5%

Size(HxWxD): 130:150mm x 40mm x 28mm

131/132/133:211mm x 32mm x 19mm

Weight: 130:19g

131/132/133:35g

Accessories :

One LR44(1.5V) button battery and clamshell.



Model 132

Model 130

Model 133

Model 131

IR-69 Red wine IR Thermometer with Electronic Vacuum Wine Preserver



IP rating 67

Easy to use

LCD screen shows readings in Fahrenheit or Celsius

Compact size design

Features

User selectable °C or °F
Automatic Data Hold
Auto Power Off
Low battery indication
Fast sampling time 300ms
Preserve the original taste, aroma and color of your wine
Automatic vacuum sealing opened wines in seconds
Easy-to-read LCD display indicating wine temperature, sealing status and counts the days.
No-slip, no-scratch soft touch grip
Continuous air pressure detection and auto re-pump of air

Specifications

Range	-35°C~100°C/-31°F~212°F
Basic Accuracy	±1.5% or ±1.5°C/±3°F
Optical Resolution	8:1
Resolution	0.1°C/°F
Emissivity	Fixed at 0.95

Size: 100mm x 25mm

Weight: 33g

Accessories :

Two LR44(1.5V) button batteries, Clamshell



1.5% Accuracy

300ms faster sampling time

HACCP approved



EMC
EN: 61326
EN: 60825-1

Model IR-69

- 300ms quickest sampling time with 1.5% accuracy (IR-65B)
- Easy to use : hold it within two feet of the area to be measured and push the button
- Large LCD screen shows readings in Fahrenheit or Celsius
- Range: -35 to 250°C/-31 to 482°F (IR-65B)
- Compact size design for the ultimate in convenience and portability
- World smallest & IP rating 67 (IR-67/67B)

1.5% Accuracy (IR-65B)

Model IR-65



EMC
EN: 61326
EN: 60825-1



World's smallest

Features				
	IR-65	IR-65B	IR-67	IR-67B
User selectable °C or °F	*	*	*	*
Automatic Data Hold	*	*	*	*
Auto Power Off	*	*	*	*
Low battery indication	*	*	*	*
Lock function	*	*	*	*
Set Min, Max	*	*		
Fast sampling time	<1s	300ms	<1s	<1s
Housing material	Plastic	Plastic	Plastic	Metal
High accuracy		1.5%		1.5%

Specifications				
	IR-65	IR-65B	IR-67	IR-67B
Range	-35°C~230°C/ -31°F~446°F	-35°C~250°C/ -31°F~482°F	-35°C~230°C/ -31°F~446°F	-35°C~250°C/ -31°F~482°F
Response Time	Less than 1 second	Less than 1 second	Less than 1 second	Less than 1 second
Basic Accuracy	±2% or ±2°C/±4°F	±1.5% or ±2°C/±4°F	±2% or ±2°C/±4°F	±1.5% or ±2°C/±4°F
Optical Resolution	1:1			
Emissivity	Fixed at 0.95	0.1 to 1 (adjustable)	Fixed at 0.95	
Resolution	0.1°C/°F			

Size: 80mm x 40mmx25mm (IR-65/65B)

100mm x 25mm(IR-67/67B)

Weight: 36g (IR-65/65B) 33g(IR-67/67B)

Accessories : One CR2032 button battery & Clamshell (IR-65/65B)

Two LR44(1.5V) button batteries, Clamshell (IR-67/67B)



≤100°C Green backlight



>100°C Red backlight



Model IR-67B

Features

	IR-66	IR-66B
User selectable °C or °F	*	*
Automatic Data Hold	*	*
Auto Power Off	*	*
Low battery indication	*	*
Lock function	*	*
Set Min, Max	*	*
Fast sampling time	<1s	300ms
High accuracy		1.5%

- 300ms quickest sampling time with 1.5% accuracy (IR-66B)
- Easy to use : hold it within two feet of the area to be measured and push the button
- Large LCD screen shows readings in Fahrenheit or Celsius
- Range: -35 to 250°C/-31 to 482°F
- Compact size design for the ultimate in convenience and portability

1.5% Accuracy (IR-66B)

300ms faster sampling time (IR-66B)



EMC
EN: 61326
EN: 60825-1



Model IR-66



Model IR-66B

Specifications

	IR-66	IR-66B
Range	-35°C~230°C/ -31°F~446°F	-35°C~250°C/ -31°F~482°F
Response Time	Less than 1second	Less than 300ms
Basic Accuracy	±2% or ±2°C/±4°F	±1.5% or ±2°C/±4°F
Optical Resolution	1:1	
Resolution	0.1°C/°F	
Emissivity	Fixed at 0.95	

Size(HxWxD): 75mm x 40mm x 20mm

Weight: 33g

Accessories :

One CR2032 button battery, Carrying Case & Clamshell

IR-77H/88/88H/88G series Pocket InfraRed Thermometers with Laser Pointer

The IR-77H/88/88H series Pocket InfraRed Thermometers are new models designed with lower cost. Check all types of A/C and heating systems. Monitor performance of appliances such as refrigerator, dishwasher, freezer and oven. Ensure proper cooking, grilling and storage temperatures.

- Built-in laser pointer identifies target area
- 6:1 Distance to Spot size ratio
- Data Hold and Max Hold (IR-88/88H)
- Fixed emissivity 0.95 covers 90% of surface applications
- Adjustable Emissivity (88H)
- 0.1° resolution (88H)
- Lock for continuous use (88H)
- Programmable alarm setpoint (88H)

- Laser Pointer
- Measure up to 270°C/518°F

- 6:1 Distance to Spot
- Adjustable Emissivity (88H)

Specifications

	IR-77H	IR-86/IR-87/IR-88	IR-88H	IR-88G
Range	-30°C~270°C/ -22°F~518°F	-20°C~270°C/ -4°F~518°F	-20°C~270°C/ -4°F~518°F	-20°C~500°C/ -4°F~932°F
Response Time	Less than 1 second			
Resolution	0.1°C/°F			
Basic Accuracy	±2% or ±2°C/±4°F			
Optical Resolution	6:1			
Emissivity	Fixed at 0.95	Fixed at 0.95	0.1 to 1 (adjustable)	0.1 to 1 (adjustable)
Battery	1.5V AAA battery x 2			

Size(HxWxD): IR-77H: 97mm x 57mm x 29mm

IR-86/87/88/88H: 97mm x 53mm x 25mm

Weight: 81g

Accessories :

Two "AAA" Batteries, Manual and Clamshell.



Model IR-88



Model IR-77H





Model IR-2G

- IR temperature reading on LCD display
- 2G capacity flash memory

Specifications	
IR Temp. Range	-35°C~230°C (-31°F~446°F)
Response Time	Less than 1second
Basic Accuracy	±2% or ±2°C/±4°F
Optical Resolution	1:1
Resolution	0.1°C/°F
Emissivity	Fixed at 0.95
Flash memory	2G bits

Size(HxWxD): 102mm x 35 x 20mm **Accessories:** Two "AAA" batteries, Clamshell.
Weight: 48g



IR-15
2 in 1 InfraRed Thermometer & Pressure Temperature Chart

2 in 1 Digital Infrared Thermometer with pressure temperature chart offers fast and accurate IR temperature or temperature references on a large easy-to-read LCD display.

- Rugged, double molded case
- Easy to chart the references of freezing devices

Specifications	
IR Temp. Range	-30 to 500°C/-22 to 932°F
Response Time	Less than 300 ms
Basic Accuracy	±1.5% or ±2°C/±4°F
Optical Resolution	13:1
Resolution	0.1°C/°F
Emissivity	Fixed at 0.95

Size(HxWxD): 154mm x 61mm x 46mm **Accessories :** 9V battery, gift box with carrying case.
Weight: 190g



Model IR-15

AC-8T
2 in 1 InfraRed Thermometer & Non-contact AC Voltage

2 in 1 Infrared Thermometer with Non-contact AC Voltage(NCV) provides easy and safety measurement. Check all types of A/C, electronic and heating systems.

- IR temperature reading on LCD display
- Non-contact Detection of AC Voltage from 100VAC to 1000VAC
- Pocket size with Rugged, double molded case
- NCV self-test function

Specifications (IR thermometer)	
IR Temp. Range	-35°C~230°C (-31°F~446°F)
Response Time	Less than 1second
Basic Accuracy	±2% or ±2°C/±4°F
Optical Resolution	1:1
Resolution	0.1°C/°F
Emissivity	Fixed at 0.95

Specifications (NCV)	
Standard	CAT III 1000V
Operating Range	VoltFinder: 100 ~ 1000V AC; 200 ~ 1000V AC (European standard)

Size(HxWxD): 158mm x 21mm x 25mm **Accessories :** Two "AAA" batteries, clamshell
Weight: 34g



Model AC-8T

Features	IR-98	IR-99
User selectable °C or °F	*	*
Data Hold & Auto Power Off	*	*
Overrange indication	*	*
Max, Min record	*	*
IR with probe temperature	*	*
IR with probe & clamp temperature	*	*

Specifications	IR-98	IR-99	
IR Temp. Range	-35°C to 260°C/ -31°F to 500°F	*	*
IR Temp. Resolution	0.1°C/°F	*	*
Optical Resolution	1:1 Distance to Spot size	*	*
Emissivity	Adjustable 0.10~1.0	*	*
Thermistor Temperature Range	-40°C to 260°C/ -40°F to 500°F	*	*
Resolution	0.1°C/°F	*	*
Clamp Temperature Range	-40°C to 200°C/ -40°F to 392°F	*	*
Response Time	Less than 1 second	*	*
Basic Accuracy	±2% of reading	*	*

Size(HxWxD): 140mm x 42mm x 25mm (IR-98) **Size(HxWxD):** 183mm x 52mm x 25mm(IR-99)
Weight: 80g **Weight:** 109g
Accessories: CR2032 Button battery, Clamshell. **Accessories:** CR2032 Button battery, Clamshell.



Model IR-99

Model IR-98



8810 Series and IR-68 Multifunction InfraRed Thermometers

8810 Series and IR-68 Non-contact IR Thermometers are multifunctional and low cost, provide quick non-contact wide range temperature measurements. Targeting objects become easy with the bright laser beam.

- Unique flat surface(8810H/8811H/8812H)
- Built-in laser pointer identifies target area
- 16" Gooseneck detector is easy to measure the hard-to-reach areas (IR-68)

Features	8810H/8810	8811H/8811	8812H/8812	IR-68
16"Gooseneck detector				*
User selectable °C or °F	*	*	*	*
Laser targeting	*	*	*	*
Automatic Data Hold	*	*	*	*
Audible and visible Overrange indication		*	*	*
Auto Power Off	*	*	*	*
Backlit LCD Display	*	*	*	*
Low battery indication	*	*	*	*
Wide range		*	*	*
Automatic range		*	*	*

Features	8810H	8811H	8812H	IR-68
Range	-20°C to 350°C/ -4°F to 662°F	-20°C to 500°C/ -4°F to 932°F	-50°C to 650°C/ -58°F to 1202°F	-50°C to 600°C -58°F to 1112°F
Response time	Less than 1 second.	Less than 1 second.	Less than 1 second.	Less than 1 second.
Resolution	0.1° up to 200°, 1° over 200°	0.1° up to 200°, 1° over 200°	0.1° up to 200°, 1° over 200°	0.1° up to 200°, 1° over 200°
Basic Accuracy	± 2% of reading or±2°C/±4°F	± 2% of reading or±2°C/±4°F	± 2% of reading or±2°C/±4°F	± 2% of reading or±2°C/±4°F
Optical resolution	8:1 Distance to Spot size	8:1 Distance to Spot size	8:1 Distance to Spot size	8:1 Distance to Spot size
Emissivity	Fixed at 0.95	Fixed at 0.95	Fixed at 0.95	Fixed at 0.95

Size(HxWxD): 159mm x 79mm x 57mm **Accessories:** 9V battery, Clamshell or gift box with carrying case
Weight: 180g



Model IR-68

Model 8811H

Non-Contact Clinical Forehead InfraRed Thermometer



Tailored for the baby, only for the moment to care for health

Compact and flexible thermometer can easily measure the forehead, earhole, axilla, mouth, navel and other parts.



Leyu1/Leyu2/Leyu3 are pocket Clinical Forehead Infrared Thermometers, which ensures accurate and stable body temperature readings and transfer the measuring datas to the smart phone by bluetooth. Leyu1 is easy to use and safety with waterproof, and is particularly efficient for taking the temperature of newborn babies and very young children. From a distance of around 5cm, just point it towards to read the temperature shown on the smartphone by App. Leyu2 shows temperature readings by white LED display. Leyu3 shows temperature readings by LCD display.

Features

	Leyu1	leyu2	leyu2S	leyu3	leyu3S
White LED display		*	*		
LCD display				*	*
Fast Sampling time	*	*	*	*	*
Easy to use	*	*	*	*	*
Safety, Anti-swallow&fall	*	*	*	*	*
Waterproof	*	*	*	*	*
Non-contact measurement	*	*	*	*	*
Particular efficient for taking the temperature	*	*	*	*	*
Bluetooth Interface and Android/iOS APP software	*	*	*	*	*

Specifications

APP software	Yes
LED indication for temperature	Yes
Range/Accuracy	Body: 35 ~ 42°C(95°F ~107.6°F) / ±0.3°C(0.5°F) Surface: 0 ~ 60°C (32°F~140°F) / ±1°C(1.8°F)
Repeatability	±0.2°C(0.4°F)
Response time	1s
Spectral response	8 to 14um
Measuring Distance	1 to 4cm
LED indication	Red/Green/Yellow/Blue
Operating temp	10 to 40°C(50 to 104°F)
Storage temp.	-10 to 60°C(14 to 140°F)
Relative humidity	10% to 90%RH operating, <80%RH storage
Power supply	CR2032



Leyu-808/808S Non-Contact Thermometers with Voice Reading

Features

	Leyu-808	Leyu-808S
Forehead temperature	*	*
LCD display	*	*
Easy to use & fast sampling time	*	*
Safety, Anti-swallow & fall	*	*
Non-contact measurement without touching the body	*	*
Particularly efficient for taking the temperature	*	*
Bluetooth Interface and Android/iOS APP software	*	*

Specifications

Range/Accuracy	Body: 35 ~ 42°C(95°F ~107.6°F) / ±0.3°C(0.5°F) Surface: 0 ~ 60°C (32°F~140°F) / ±1°C(1.8°F)
Repeatability	±0.2°C(0.4°F)
Response time	1s
Measuring Distance	1 to 4cm
Power supply	2 x AAA batteries

Size(HxWxD): 48mm x 52mm x 105mm

Weight: 130g

Accessories: 2 x AAA batteries, Carrying case and Gift box.



Non-Contact Clinical Forehead InfraRed Thermometers



8806H/8806U/8806R/8816H Clinical Forehead Infrared Thermometers ensure accurate and stable body temperature readings, which is particularly efficient for taking the temperature of newborn babies and very young children. From a distance of around 5cm, all you have to do is pointing it towards the forehead to read the temperature shown on the LCD screen.

- 8806H is portable and easy to take the measurements and store 32 readings.
- 8816H is portable with body temperature datalogger to memory 6000 readings.
- 8806U is portable with USB interface
- 8806R is portable with RS485 interface

Safety Conformance

- ASTM E1965-1998
- EN 980: Graphical symbols for use in the labeling of medical devices
- EN 1041: Information supplied by the manufacturer with medical devices
- EN 60601-1: Medical electrical equipment Part 1: General requirements for safety (IEC:60601-1:1998)
- EN 60601-1-2: Medical electrical equipment Part 1-2: General requirements for safety Collateral standard Electromagnetic compatibility Requirements and test (IEC 60601-1-2:2001)

Features

	8806H	8806U	8806R	8816H
Precise non-contact forehead temperature measurements	*	*	*	*
Selectable °C or °F & forehead heat detection	*	*	*	*
Selectable Body and Surface temperature	*	*	*	*
Set alarm value and sound alarm	*	*	*	*
Memorization of the last 32 measurements	*	*	*	*
Automatic Data Hold & Auto power off	*	*	*	*
Automatic selection range	*	*	*	*
Display Resolution 0.1°C(0.1°F)	*	*	*	*
Backlight LCD display	*	*	*	*
Wireless data transmitting(RF433MHz)				*
6000 Readings memories				*
Records readings with real date and time stamp				*
Read the Max/Min measuring temperature				*
USB interface		*		*
RS485 interface			*	*

Specifications

Range(body mode)	32.0°C to 42.5°C/89.6°F to 108.5°F
Range(Surface mode)	0°C to 60°C/32°F to 140°F
Resolution	0.1°C/0.1°F
Basic accuracy	32 to 35.9°C/93.2 to 96.6°F(±0.3°C/±0.5°F)
ASTM	36 to 39°C/96.8 to 96.6 to 102.2°F(±0.2°C/±0.4°F)
E1965-1998(2003)	39 to 42.5°C/102.2 to 108.5°F(±0.3°C/±0.5°F)
Measuring distance	5-15CM
Response time	0.5 second



Size(HxWxD): 146mm x 88mm x 43mm (8806H/8816U/8816H)
Weight: 205g

Accessories: 2x1.5V“AA”batteries, Carrying case and Gift box.



Model 8806H



Model 8816H



Model 8816R

Body Temperature Datalogger

Non-Contact Forehead IR Thermometer is specially designed to take the body temperature of a person regardless of room temperature.

Safety Conformance

- ASTM E1965-1998
- EN 980: Graphical symbols for use in the labeling of medical devices
- EN 1041: Information supplied by the manufacturer with medical devices
- EN 60601-1: Medical electrical equipment Part 1: General requirements for safety (IEC:60601-1:1998)
- EN 60601-1-2: Medical electrical equipment Part 1-2: General requirements for safety Collateral standard Electromagnetic compatibility Requirements and test (IEC 60601-1-2:2001)

Features

	8806	8806B	8806S
Housing colour	Blue	Blue	Purple
Precise non-contact forehead temperature measurements	*	*	*
Selectable °C or °F & forehead heat detection	*	*	*
Selectable Body and Surface temperature	*	*	*
Set alarm value and sound alarm	*	*	*
Memorization of the last 32 measurements	*	*	*
Automatic Data Hold & Auto power off	*	*	*
Automatic selection range	*	*	*
Display Resolution 0.1°C(0.1°F)	*	*	*
Backlight LCD display	*	*	*
Bluetooth & Cloud server		*	*

Specifications

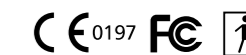
Range(body mode)	32.0°C to 42.5°C/89.6°F to 108.5°F
Range(Surface mode)	0°C to 60°C/32°F to 140°F
Resolution	0.1°C/0.1°F
Basic accuracy	32 to 35.9°C/93.2 to 96.6°F(±0.3°C/±0.5°F)
ASTM	36 to 39°C/96.8 to 96.6 to 102.2°F(±0.2°C/±0.4°F)
E1965-1998(2003)	39 to 42.5°C/102.2 to 108.5°F(±0.3°C/±0.5°F)
Measuring distance	5-15cm
Response time	0.5 second

Size(HxWxD): 131mm x 82mm x 35mm (8806/8806S)

Weight: 130g

Accessories: 2x1.5V“AAA”batteries, Carrying case and Gift box.

Model 8806B



DT-608/609 Mini Non-Contact Forehead Infrared Thermometers

Non-Contact Forehead IR Thermometer is specially designed to take the body temperature of a person regardless of room temperature.

Features

- Precise non-contact body temperature measurements
- Selectable °C or °F & forehead heat detection
- Selectable Body and Surface temperature
- Automatic Data Hold & Auto power off
- Automatic selection range and Display Resolution 0.1°C(0.1°F)
- 0.5~2.5cm Measuring distance

Specifications

Body temperature range	30.0°C to 42.5°C/86°F to 109°F
Surface temperature range	0°C to 60°C(32°F to 140°F) (Model:608) -35°C to 110°C(-31°F to 230°F) (Model:609)
Resolution	0.1°C/0.1°F
Basic accuracy	±0.3°C at 30°C~40°C/86°F~104°F Range
Response time	0.5 second
Over range indication	LCD will show “Hi”/ “Lo”
Emissivity	fixed at 0.95
Spectral response	6~14um
Power off	Automatic shut off after 7 seconds, approx.

Size(HxWxD): 80mm x 40mm x 23mm

Weight: 33g

Accessories: One CR2032 button battery, Carrying case and Gift box.



Model 608



Model 609



Non-Contact Forehead IR Thermometer is specially designed to take the body temperature of a person regardless of room temperature.

Memorization of the last 32 measurements

Accuracy: $\pm 0.3^{\circ}\text{C}/\pm 0.5^{\circ}\text{F}$

Model 8807

Features	
Precise non-contact forehead temperature measurements	
Selectable $^{\circ}\text{C}$ or $^{\circ}\text{F}$ & forehead heat detection	
Selectable Body and Surface temperature	
Set alarm value and sound alarm	
Memorization of the last 10 measurements	
Automatic Data Hold & Auto power off	
Display Resolution 0.1 $^{\circ}\text{C}$ (0.1 $^{\circ}\text{F}$)	
Backlight LCD display	

Specifications	
Range(body mode)	32.0 $^{\circ}\text{C}$ to 42.5 $^{\circ}\text{C}$ /89.6 $^{\circ}\text{F}$ to 108.5 $^{\circ}\text{F}$
Range(In Surface mode)	0 $^{\circ}\text{C}$ to 60 $^{\circ}\text{C}$ /32 $^{\circ}\text{F}$ to 140 $^{\circ}\text{F}$
Resolution	0.1 $^{\circ}\text{C}$ /0.1 $^{\circ}\text{F}$
Basic accuracy	32 to 35.9 $^{\circ}\text{C}$ /93.2 to 96.6 $^{\circ}\text{F}$ ($\pm 0.3^{\circ}\text{C}/\pm 0.5^{\circ}\text{F}$)
ASTM	36 to 39 $^{\circ}\text{C}$ /96.8 to 96.6 to 102.2 $^{\circ}\text{F}$ ($\pm 0.2^{\circ}\text{C}/\pm 0.4^{\circ}\text{F}$)
E1965-1998(2003)	39 to 42.5 $^{\circ}\text{C}$ /102.2 to 108.5 $^{\circ}\text{F}$ ($\pm 0.3^{\circ}\text{C}/\pm 0.5^{\circ}\text{F}$)
Measuring distance	1~5cm
Response time	0.5 second

Size(HxWxD): 42mm x 35mm x 150mm

Weight: 125g

Accessories: Two 1.5V "AAA" batteries, Carrying case and Gift box.



DT-886/886B Ear Thermometer

886/886B Infrared Ear Thermometers measure the kind of temperature from the eardrum has been found to be a clinically reliable indicator of body core temperature. They are high quality products incorporating the latest technology and tested in accordance with international standard. They perform a self-test every time and can be used by consumers in household environment and doctor in clinic as reference.

Features	886	886B
Unique Thermoscan Feedback system confirms the thermometer is in the correct position and then confirms an accurate temperature reading has been taken by a constant light and a beep	*	*
Temperature results in degrees $^{\circ}\text{C}$ or degrees $^{\circ}\text{F}$	*	*
Accurate and safe for newborns and the whole family, new ultra soft and gentle tip is warmed up for accuracy and extra comfort Memory recalls last 8 temperatures	*	*
Bluetooth & Cloud server		*

Specifications	
Temperature unit	$^{\circ}\text{C}/^{\circ}\text{F}$
Body Temperature range	32.0 $^{\circ}\text{C}$ ~42.9 $^{\circ}\text{C}$ /95 $^{\circ}\text{F}$ ~109 $^{\circ}\text{F}$
Basic accuracy	35.5 $^{\circ}\text{C}$ ~42.0 $^{\circ}\text{C}$ ($\pm 0.1^{\circ}\text{C}/0.2^{\circ}\text{F}$)
Resolution	0.1 $^{\circ}\text{C}$ /0.1 $^{\circ}\text{F}$
Response time	0.5S
Operating environment	5 $^{\circ}\text{C}$ ~40 $^{\circ}\text{C}$ (41 $^{\circ}\text{F}$ ~104 $^{\circ}\text{F}$) /15~95%RH

Size(HxWxD): 155mm x 50mm x 33mm

Accessories:

Weight: 68g

2x1.5V batteries, Gift box.



Model 886B



Features	
Precise non-contact Forehead temperature measurements	
Selectable $^{\circ}\text{C}$ or $^{\circ}\text{F}$	
Selectable Body and Surface temperature	
Automatic Data Hold & Auto power off	
Display Resolution 0.1 $^{\circ}\text{C}$ (0.1 $^{\circ}\text{F}$)	
Backlight LCD display	

Specifications	
Range (body mode)	32.0 $^{\circ}\text{C}$ to 42.5 $^{\circ}\text{C}$ /89.6 $^{\circ}\text{F}$ to 108.5 $^{\circ}\text{F}$
Range (Surface mode)	0 $^{\circ}\text{C}$ to 60 $^{\circ}\text{C}$ /32 $^{\circ}\text{F}$ to 140 $^{\circ}\text{F}$
Resolution	0.1 $^{\circ}\text{C}$ /0.1 $^{\circ}\text{F}$
Basic accuracy	32 to 35.9 $^{\circ}\text{C}$ /93.2 to 96.6 $^{\circ}\text{F}$ ($\pm 0.3^{\circ}\text{C}/\pm 0.5^{\circ}\text{F}$)
ASTM	36 to 39 $^{\circ}\text{C}$ /96.8 to 96.6 to 102.2 $^{\circ}\text{F}$ ($\pm 0.2^{\circ}\text{C}/\pm 0.4^{\circ}\text{F}$)
E1965-1998(2003)	39 to 42.5 $^{\circ}\text{C}$ /102.2 to 108.5 $^{\circ}\text{F}$ ($\pm 0.3^{\circ}\text{C}/\pm 0.5^{\circ}\text{F}$)
Measuring distance	1~5cm
Response time	0.5 second



Model 807

Accuracy: $\pm 0.3^{\circ}\text{C}/\pm 0.5^{\circ}\text{F}$



DT-806 Series Non-Contact Body Infrared Thermometers

Non-Contact Body IR Thermometer is a newly design with European style, specially designed to take the body temperature of a person regardless of room temperature.



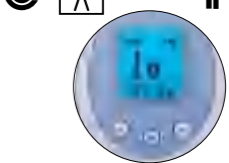
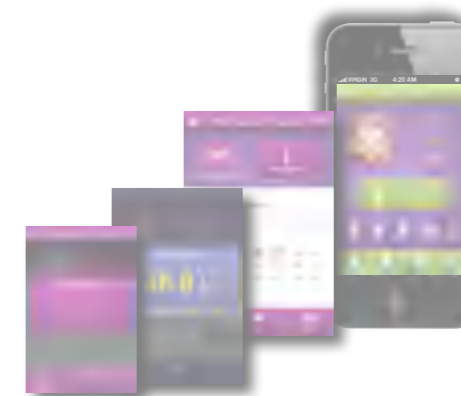
Features	806//806D/806R	806C	806CV	806B
Precise non-contact body temperature measurements	*	*	*	*
Selectable $^{\circ}\text{C}$ or $^{\circ}\text{F}$ & forehead heat detection	*	*	*	*
Selectable Body and Surface temperature	*	*	*	*
Set alarm value and sound alarm	*	*	*	*
Memorization of the last 32 measurements	*	*	*	*
Automatic Data Hold & Auto power off	*	*	*	*
Automatic selection range and Display Resolution 0.1 $^{\circ}\text{C}$ (0.1 $^{\circ}\text{F}$)	*	*	*	*
Backlight LCD display	*	*	*	*
Meterbox iCare & cloud computing service				*
Red, orange, green LED indicator		*	*	
Talking function			*	
Body IR Thermometer analyzer				*
Measuring distance (Distance to Spot size)		1~10cm		
Bluetooth & Cloud server				*

iCare software for Body Thermometers

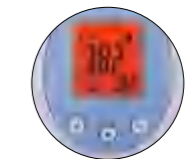
Meterbox-iCare Software permits/ functions:

- Temperature measuring data transferred to Cloud Edit, analysis & Store the temperature data
- Connecting with iPhone/iPod/ iPad/Android Phone/Android Pad
- Sharing the data with others by E-mail, facebook & twitter Trend capture
- Cloud backup

Body IR Thermometer analyzer



Blue backlight Low temperature reading alarm



Red backlight High temperature reading alarm



Model 806/806C

Size(HxWxD): 150mm x 58mm x 40mm

Weight: 157g

Accessories:

2 x 1.5V "AAA" battery, Carrying case and Gift box.



Model 806B



Model 8836/8836H

8836/8836H Clinical Forehead Infrared Thermometers ensure accurate and stable body temperature readings, which is particular efficient for taking the temperature of newborn babies and very young children. From a distance of around 20cm, all you have to do is pointing it towards the forehead to read the temperature shown on the LCD screen. The temperature is transmitted to smart phone via bluetooth which transmits information to the cloud



Features	8836	8836H
Precise non-contact forehead temperature measurements	*	*
Selectable °C or °F & forehead heat detection	*	*
Selectable Body and Surface temperature	*	*
Set alarm value and sound alarm	*	*
Face recognition	*	*
Image storage	*	*
Automatic Data Hold & Auto power off	*	*
Automatic selection range	*	*
Display Resolution 0.1°C(0.1°F)	*	*
Backlight LCD display	*	*
Readings memories	*	*
Records readings with real date and time stamp	*	*
Read the Max/Min measuring temperature	*	*
Automatic generation of data tables	*	*
Automatic Data Hold & Auto power off	*	*

Specifications	
Range(body mode)	32.0°C to 42.5°C/89.6°F to 108.5°F
Range(Surface mode)	0°C to 60°C/32°F to 140°F
Resolution	0.1°C/0.1°F
Basic accuracy	32 to 35.9°C/93.2 to 96.6°F(±0.3°C/±0.5°F)
ASTM	36 to 39°C/96.8 to 96.6 to 102.2°F(±0.2°C/±0.4°F)
E1965-1998(2003)	39 to 42.5°C/102.2 to 108.5°F(±0.3°C/±0.5°F)
Measuring distance	15-25CM
Response time	0.5 second

Size(HxWxD): 155mm x 50mm x 33mm
Weight: 68g

Accessories:
2x1.5V batteries, Gift box.



Features	MT-1	MT-2
TVOC		*
TDS	*	
Body temperature	*	*
Ambient temperature/Surface temperature	*	*
White LED digital display	*	*
White / Green / Red LED alarm display	*	*
Fast response less than 1 second	*	*

Specifications	MT-1	MT-2
Body temperature Measuring range	35-42°C (95 -107.6 °F)	
Ambient temperature measuring range	0-60°C (32 -140 °F)	
TDS / TVOC measuring range	TDS: 0-9990PPM	TVOC: 0-9.999mg/m ³
Basic accuracy	Body temperature: +0.2°C / +0.4°F TDS: +2%F.S	Body temperature: +0.2°C / +0.4°F TVOC: +5%F.S
Resolution	Body temperature: 0.1°C/°F TDS: 1PPM	Body temperature: 0.1°C/°F TVOC:0.001
Measuring distance	1-5CM	
Operating temperature	10-40°C	
Operating Humidity	<85%RH	
Battery type	2*AAA	

Tips: TDS = Total Dissolved Solids, which is any salt, metal or mineral in the water
TVDC = Total Volatile Organic Compound, which is a grouping of a wide range of organic chemical compounds to simplify reporting when these are present in ambient air or emissions.

Size(HxWxD): 35mm x 142mm x 50mm
Weight: 73g

Accessories:
2x1.5V batteries, Gift box.

DT-8809/8809H Non-Contact Infrared Thermometers for animals

Features	8809	8809H
Measuring distance	0.5-1m	0.5-1m
Precise non-contact forehead temperature measurements	*	*
Selectable °C or °F & forehead heat detection	*	*
Selectable Body and Surface temperature	*	*
Set alarm value and sound alarm	*	*
Memorization of the last 32 measurements	*	*
Automatic Data Hold & Auto power off	*	*
Display Resolution 0.1°C(0.1°F)	*	*
Backlight LCD display	*	*
Read the Max/Min measuring temperature	*	*
Red backlight & beeper alarm	*	*
Interface	Bluetooth (Optional)	NB-IOT

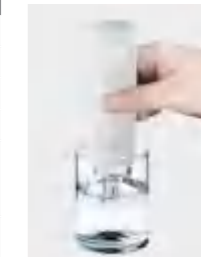
Specifications	
Range(body mode)	32.0°C to 42.5°C/89.6°F to 108.5°F
Range(Surface mode)	0°C to 60°C/32°F to 140°F
Range (animal mode)	30°C to 45°C/86°F to 113°F
Resolution	0.1°C/0.1°F
Basic accuracy	±0.3°C/±0.5°F
Measuring distance	50-100CM
Response time	0.5 second

Size(HxWxD): 204mm x 155mm x 52mm
Weight: 320g

Accessories:
9V batteries, Gift box.



Model MT-1

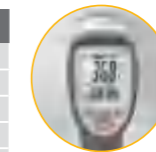


Features	8809	8809H
Measuring distance	0.5-1m	0.5-1m
Precise non-contact forehead temperature measurements	*	*
Selectable °C or °F & forehead heat detection	*	*
Selectable Body and Surface temperature	*	*
Set alarm value and sound alarm	*	*
Memorization of the last 32 measurements	*	*
Automatic Data Hold & Auto power off	*	*
Display Resolution 0.1°C(0.1°F)	*	*
Backlight LCD display	*	*
Read the Max/Min measuring temperature	*	*
Red backlight & beeper alarm	*	*
Interface	Bluetooth (Optional)	NB-IOT

Specifications	
Range(body mode)	32.0°C to 42.5°C/89.6°F to 108.5°F
Range(Surface mode)	0°C to 60°C/32°F to 140°F
Range (animal mode)	30°C to 45°C/86°F to 113°F
Resolution	0.1°C/0.1°F
Basic accuracy	±0.3°C/±0.5°F
Measuring distance	50-100CM
Response time	0.5 second

Size(HxWxD): 204mm x 155mm x 52mm
Weight: 320g

Accessories:
9V batteries, Gift box.



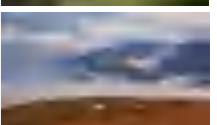
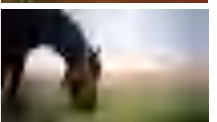
Triple LCD display with white backlight



Red backlight alert



Measuring distance 0.5~1m



Model 8809



Measuring distance 1~75cm



Model 8817

Non-Contact Forehead IR Thermometer is specially designed to take the body temperature of a person regardless of room temperature.



Features

- Precise non-contact forehead temperature measurements
- Selectable °C or °F & forehead heat detection
- Selectable Body and Surface temperature
- Set alarm value and sound alarm
- Memorization of the last 10 measurements
- Automatic Data Hold & Auto power off
- Display Resolution 0.1°C(0.1°F)
- Backlight LCD display

Specifications

Range(In body mode)	32.0°C to 42.5°C/89.6°F to 108.5°F
Range(In Surface mode)	0°C to 60°C/32°F to 140°F
Resolution	0.1°C/0.1°F
Basic accuracy	32 to 35.9°C/93.2 to 96.6°F(±0.3°C/±0.5°F)
ASTM	36 to 39°C/96.8 to 96.6 to 102.2°F(±0.2°C/±0.4°F)
E1965-1998(2003)	39 to 42.5°C/102.2 to 108.5°F(±0.3°C/±0.5°F)
Measuring distance	1~75cm
Response time	0.5 second

Size(HxWxD): 146mm x 104mm x 43mm

Weight: 163g

Accessories: 9V battery, Carrying case and Gift box.

DT-137 Electron Clinical Thermometer



Model 137



The special-purpose of electron clinical thermometer is body temperature Measuring, offering safe, accurate and quick temperature readings. Select oral, rectal or axillary as your measurement site. No need to worry about broken glass or mercury hazards.

Specifications

Measurement rang	32.0°C -42.9°C(89.6°F-109.2°F)
Measurement accuracy	±0.1°C(0.2°F)between 35°C to 42°C (95°F to 107.6°F)
Operating Temperature	10°C to 40°C(50°Fto 104°F)
Storage temperature	-10°C to +60°C
Memory	For signaling the last measured value
Battery:	3V, CR2032

Size(HxWxD): 156mm x 34mm x 22mm

Weight: 32g

Accessories:

CR2032 3V battery, Clamshell

BP-96/96B/96H Electronic Blood Pressure Monitor



Model 96B



Model 96



Model 96H



Specifications

Systolic/mmHg	Diastolic/mmHg	Meaning	Action
<105	<60	Hypotonic	Consult your doctor
105-140	60-90	Normal	Self-monitoring is sufficient
140-160	90-95	Borderline hypertonic	Consult your doctor
>160	95-105	Mildly hypertonic	Consult your doctor
>160	105-115	Hypertonic,medium severity	Get medical attention
>180	>115	Severely hypertonic	Get medical attention immediately

Size(HxWxD): 66mm x 65mm x 30mm(96)
73mm x 68mm x 28mm(96B)
85mm x 85mm x 28mm(96H)

Weight: 99g(96), 107g(96B),133g (96H)

BP-102/106 Arm cuff is suitable for arm from 220 to 320mm circumference, the blood pressure monitor readjust itself to identify the necessary pumping pressure, if the pumping pressure set in the factory is not sufficient, the device identifies this and continues pumping

Features

- Talking function (BP-102)
- 99 x2 memory locations
- The date and time are displayed and stored together with every blood pressure value
- If the battery icon is displayed, the batteries are discharged and the device cannot be used until new batteries are installed

Specifications

Display	Digital LCD display
Measurement	Oscillometric method
Pressure Display Range	0-299mmHg
Measurement Range	Pressure: 30 to 280 mmHg
Pulse rate	40 to 199 beats/min
Accuracy	Pressure: Within ±5 mmHg Pulse rate: Within ±5% of reading
Power Supply	4x1.5V "AA" Size Batteries
Operating Environment	10~40°C /15%~85%RH
Storage Environment	-10~50°C/10%~93%RH
Measurable Arm Circumference	220mm~320mm
Safety Classification	Internal power: Type B
Inflation	Automatic inflation with pumping
Air Release	Automatic rapid air release
Pressure Detection	Electrostatic capacity pressure sensor
Pulse Detection	Electrostatic capacity pressure sensor

Size(HxWxD): 136mm x 131.5mm x 68.5mm(106),145mm x 113mm x 115mm(102)

Weight: 451g(106),596g(102)

Accessories:

4x1.5V "AA" batteries, Carrying case and Gift box.

Model BP-102



Model BP-106

BS-860 High Definition Personal Video Borescope

Features

- 3.5" Color TFT LCD
- Camera and Video function
- Support real-time live view
- TV peripherals to support operations in other
- Highlighted with LED to support the operation in the dark
- Built-in 1800mAh lithium battery, support USB charging
- Standby function to support the charge
- Support rotating the image 180° from top to bottom
- Flexible gooseneck camera head with waterproof

Specifications

LCD screen type	3.5" TFT
LCD Pixels	320x240
The max number of frames(FPS)	30FPS/S
Picture format from the camera	JPG(640x480)
Camera video format	AVI
Gooseneck length	1m(39")
Camera diameter	6mm(0.23")
Viewing distance	15cm to ∞
Viewing direction	Viewing angle 64°
Zoom and Rotation	2xZoom, 90° rotation
SD card	2GB/Max 32GB
Dust and water proof	IP 67
Working voltage	Li Battery 3.7V/1800mA
Language	Support English,French,German, Spanish

Size(HxWxD): 120mm x 87mm x 185mm

Weight: 584g

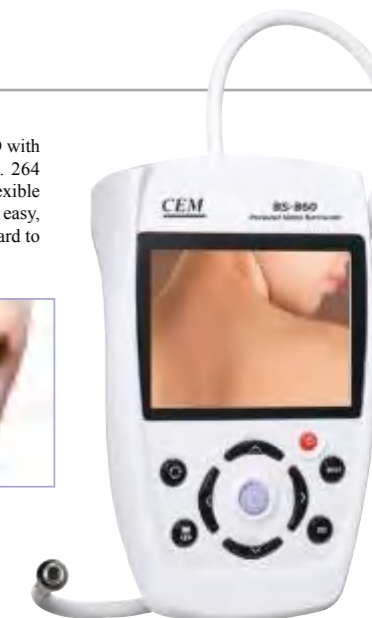
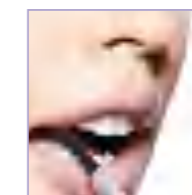
Accessories:

3.7V Li battery, gift box with carrying case.

BS-860 personal video borescope using 3.5" TFT LCD with high resolution: 320(W) × 240(H) application of H. 264 video codec technology makes images clearer. The flexible and comfortable waterproof (IP67) goose neck provide easy, simple and convenient way to check the place where hard to see.



EMC
EN: 61326



Model 860

3.5" 3.5"Color TFT LCD

Flexible gooseneck imager head with waterproof and Easily perform visual inspections in hard to reach areas

Camera and Video function

Allows user to view image and video on LCD monitor

High visibility and 10 degree adjustable LED lighting

Rechargeable battery with USB cable Support SD memory card expansion

Menu with multinational language

Professional Digital Multimeters
 Digital AC, AC/DC Clamp Meters
 Electrical Testers
 Insulation Testers



EMC & LVD
 EN:61326
 EN:61010-1, EN:61010-02-032, EN:61010-02-033



Professional True RMS Industrial Digital Multimeters
 Double molded
 Accurate measurement
 CATIV 600V
 CATIII 1000V
 Model 9889



Multifunction Installation Tester
 Model 6650



EMC & LVD
 EN:61326
 EN:61010-1
 EN:61010-02-032
 EN:61010-02-033
 Model 9382

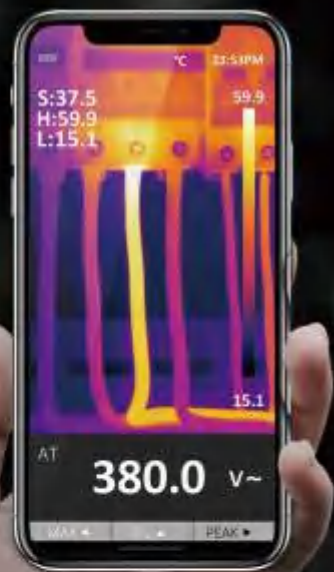
EMC & LVD
 EN:61326
 EN:61010-1
 EN:61010-02-032
 EN:61010-02-033
 Model 960BL

Professional True RMS Industrial Multimeter

Built-in InfraRed Thermal Imager design quickly identifies hot spots without contact



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



- Support **Images** capture capabilities
- Support **MicroSD** memory card extension
- Data Logger
- Date/Time** setup controls



- TFT color LCD display
- PC Calibration

- IP65 dust and water proof
- True RMS

9889 Professional True RMS Industrial Digital Multimeter built-in Thermal Imager design, providing fast A/D converting sampling time, high accuracy, with datalogging and Trend Capture features. Advanced system platform permits smart multifunctions such as updating software on line, PC calibration etc.

Thermview+ software & cloud server support to transfer the measured data to the customer's smartphone for edit and storage.

Safety Conformance

- EN61010-1 CAT IV 600V, CAT III 1000V
- 1000V input protection on all ranges
- 10A/1000V & 0.8A/1000V fuses protection on current ranges

Features

- Built-in Thermal Imager design quickly identifies hot spots without contact
- 240 x 320 2.8" TFT color LCD display
- Large LCD display 6000 counts
- Logging function with Trend Capture for easy review of logged data
- Low pass filter for accurate measurement of variable frequency drive (VFD) signals
- Long work time with li-ion battery
- AC, AC+DC true-RMS measurements & 1kHz ACV, ACA bandwidth
- 3000A Flexible Coil Current Measurements
- A/D convert fast sampling time: 10 Times/sec.
- Peak capture (records transients as fast as 500µs)
- Min/Max/Average with Time stamp (records signal fluctuations)
- MicroSD memory card
- Support capture screen capabilities
- 80x80 Infrared resolution
- Bluetooth BLE instant share function
- Easy to view and analyze images quickly
- Non-Contact Voltage detection (VAC:100V~1000V)

Specifications

Thermal Imager	
IR resolution	80x80 pixels
Field of View (FOV)	21° x 21°
Thermal sensitivity/NETD	< 0.1°C@+30°C(+86°F)/100mK
Image frequency	50Hz
Object temperature range	range: -20 to 260°C (-4 to 500°F)
Focus mode	Focus free
Focal length	7.5mm
Spectral range	8-14 µm
Color palettes	IRON/Rainbow/Grey/Grey Inverted
Accuracy	±3°C (±5.4°F) or ±3% of reading (Environment temperature 10°C-35°C, object temperature >0°C.)

True RMS Multimeter Functions			
Function	Max. Range	Max. resolution	Best Accuracy
Voltage DC	1000V	100mV	±(0.09% + 5)
Voltage AC	1000V	100mV	±(0.8% + 5)
Current DC	10A	0.1µA	±(0.9% + 5)
Current AC	10A	0.1µA	±(1.2% + 5)
Resistance	60MΩ	0.1Ω	±(0.5% + 5)
Capacitance	6000µF	0.01nF	±(1.2% + 8)
Frequency	10MHz	0.01Hz	±(0.09% + 5)
Diode and Continuity	Yes		
PC Interface	Bluetooth		
Power Supply	8 hours Li-ion rechargeable battery; AC Adaptor/charger		

Size(HxWxD): 195mm x 80mm x 58mm Weight: 540g

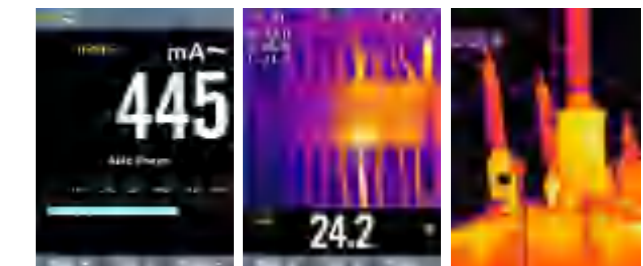
Accessories:
Test leads, Li-ion batteries, Type K temperature probe, Software, gift box with carrying case.



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Model 9889



IP65 Dust and Water Proof.
2m drop protection, IP65 dust and waterproof extend its service life.

Professional True RMS Industrial Multimeter

Built-in InfraRed Thermal Imager design quickly identifies hot spots without contact

898/898A/889/898FC/889FC True RMS Digital Multimeter built-in Thermal Imager design, providing fast A/D converting sampling time, high accuracy. Advanced system Platform permits smart multifunctions such as updating software on line, PC calibration etc.



EMC & LVD
EN: 61326
EN: 61010-1, EN: 61010-02-031

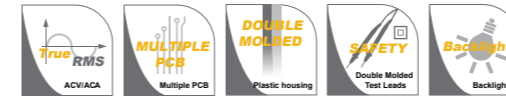


Bluetooth



• True RMS

- TFT color LCD display
- PC Calibration



Model 898



Bluetooth

Model 898A/889



Bluetooth

Model 898FC/889FC



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032,
EN: 61010-02-033

Features

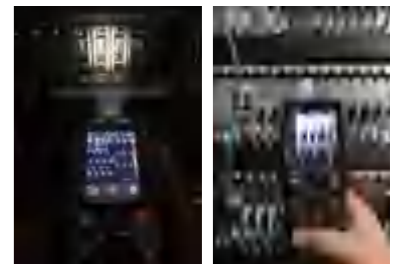
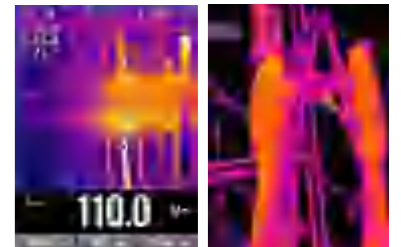
	898	898A	898FC	889	889FC
0.47" (12mm) Fork clamp sensor for AC/DC 100A current measurement			*		*
Bluetooth interface		*	*	*	*
Large LCD display 4000 counts with True RMS measurements & flashlight	*	*	*	*	*
Built-in Thermal Imager design quickly identifies hot spots without contact	*	*	*	*	*
240 x 320 2.4" TFT color LCD display	*	*	*	*	*
Built-in 0.3Megapixels visible light digital camera				*	*
A/D convert fast sampling time: 3 Times/sec.	*	*	*	*	*
Peak capture (records transients as fast as 500µs) & Data Hold	*	*	*	*	*
Min/Max with Time stamp (records signal fluctuations)	*	*	*	*	*
CAT III-600V Category safety rating	CAT III-300V CAT II-600V	*	*	*	*

Specifications

			898	898A	898FC	889	889FC
Thermal Imager							
IR resolution			80x80 pixels			32x32 pixels	
Field of View (FOV)	17° x 17°		*	*		40°x40°	
Thermal sensitivity/NETD	< 0.08°C /80mK		*	*		*	
Image frequency	50Hz		*	*		9Hz	
Object temperature range	-20 to 260°C (-4 to 500°F)		*	*		-20 to 300°C (-4 to 572°F)	
Spectral range	8-14 µm						
Color palettes	IRON/Rainbow/Grey/Grey Inverted						
Accuracy	±2°C (±3.6°F) or ±2% of reading						
True RMS Multimeter Functions							
Mode			898	898A	898FC	889	889FC
Function	Max Range	Basic Accuracy					
Voltage DC	600V	±0.5%	*	*	*	*	*
Voltage AC	600V	±1.0%	*	*	*	*	*
Current DC	10A	±1.5%	*	*	*	*	*
Fork clamp DC current	100A	±3.0%	*	*	*	*	*
Current AC	10A	±2.0%	*	*	*	*	*
Fork clamp AC current	100A	±3.0%	*	*	*	*	*
Resistance	40MΩ	±1.0%	*	*	*	*	*
Capacitance	4000µF	±3.0%	*	*	*	*	*
Frequency	10MHz	±1.0%	*	*	*	*	*
Duty Cycle	99.9%	±1.2%	*	*	*	*	*
Diode Check & Continuity Test			*	*	*	*	*



- Safety Conformance**
- EN61010-1 CAT IV 300V, CAT III 600V
 - 600V input protection on all ranges



Full visible light (889/889FC)

Size(HxWxD): 148mm x 68mm x 48mm
Weight: 348g

Accessories:
Test leads, Li-ion batteries, Software, gift box with carrying case.

Professional True RMS Industrial Multimeter / Oscilloscope with TFT color LCD display

Features

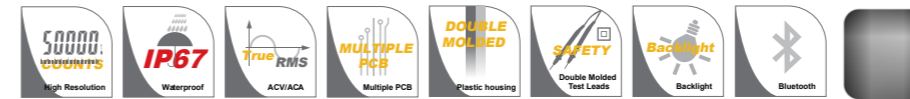
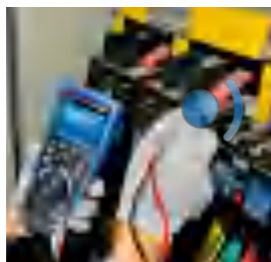
- 10MHz oscilloscope
- 50,000 count, 0.025% accuracy
- Fast response, 20 times/sec
- 100kHz AC bandwidth
- Fully PC Calibration
- Bluetooth interface
- IP67 dust and waterproof
- CATIII 1000V/CATIV 600V



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033

iMM software for 9989 Multimeter

Meterbox-iMM Software permits/functions:
Measuring data transferred to Cloud Edit, analyze & Store the data
Connecting with iPhone/iPod/iPad/Android Phone/Android Pad
Sharing the data with others by E-mail, facebook & twitter
Trend capture
Cloud backup



9989 Professional True RMS Industrial Digital Multimeter with oscilloscope functions and TFT color LCD display, providing fast A/D converting sampling time, high accuracy, built-in datalogging and Trend Capture features.

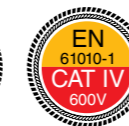
Meterbox iMM software & cloud server support to transfer the measured data to customer's smartphone for edit and storage.

Safety Conformance

- EN61010-1 CAT IV 600V, CAT III 1000V
- 1000V input protection on all ranges
- 10A/1000V & 0.8A/1000V fuses protection on current ranges



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032, EN: 61010-02-033



Made for
iPod iPhone iPad



Worldwide Patent:
PCT/CN2012/082

Model 9989

- TFT color LCD display
- 50000 counts
- PC Calibration

- IP67 dust and water proof
- True RMS

Features

- Large 50,000 count 320 x 240 TFT color LCD display
- 20MHz/50MS/s bandwidth/Real time sample rate
- Logging function with Trend Capture for easy review of logged data
- Bluetooth PC interface for easy data transfer & accuracy calibration
- 100kHz bandwidth (voltage/current)
- AC, AC+DC true-RMS measurements
- 0.025% DCV accuracy with Fully PC Calibration
- Saves measurements, records events and trends
- 20 Times/sec. A/D convert fast sampling time
- Peak capture (records transients as fast as 250µs)
- Min/Max/Average with Time stamp (records signal fluctuations)
- Moto winding and low ohm (50Ω) measurement range
- Low pass filter
- IP Rating 67 & CATIII 1000V/CATIV 600V
- Bluetooth interface to smartphone / PC.
- Meterbox iMM & cloud service

Specifications

Oscilloscope Functions		
Display Size	3.5" color LCD; 320 x 240 pixels	
Bandwidth	20MHz	
Real time sample rate	50MS/s	
Risetime	10ns	
Channels	1	
Vertical Sensitivity	50mV/div to 200V/div	
Vertical Resolution	8 bits	
Trigger Mode	Free Run, falling edge, rising edge	
Trigger Source	Internal	
Trigger Coupling	AC/DC	
Input impedance	1MΩ/15pF	
Max Input Volatage	1000Vp-p	
Cursor Measurement	Voltage and time/ Frequency	
True RMS Multimeter Functions		
Function	Maximum	Max, resolution Accuracy
Voltage DC	1000V	1µV ±(0.025% + 5)
Voltage AC	1000V	1µV ±(0.4% + 40)
Current DC	10A	0.01µA ±(0.15% + 2)
Current AC	10A	0.01µA ±(0.6% + 5)
Temperature	-50°C to 1000°C	0.1°C ±(1.0% + 2.5°C)
Resistance	50MΩ	0.01Ω ±(0.05% + 2)
Capacitance	10mF	0.001nF ±(1.0% + 5)
Frequency	10MHz	0.01Hz ±(0.005% + 1)
Diode and Continuity	Yes	
PC Interface	Bluetooth	
Power Supply	6 hours Li-ion rechargeable battery;AC Adaptor/charger	

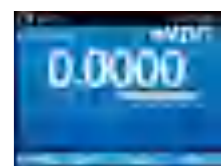
Size(HxWxD): 220mm x 96mm x 60mm Weight: 631g

Accessories:

Test leads, Li-ion batteries, Type K temperature probe, Bluetooth and Software, gift box with carrying case.



10MHz Oscilloscope Function



Fast response time



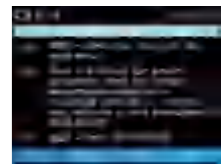
High Resolution & Accuracy



Multifunction Selectable



Trend Capture function



Help Menu



- TFT color LCD display
- 50000 counts
- PC Calibration

- IP67 dust and water proof
- True RMS



Model 9987



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



The 9987 Professional True RMS Industrial Digital Multimeter with TFT color LCD display, providing fast A/D converting sampling time, high accuracy, built-in datalogging and Trend Capture features. It can trace any interrupted problems of the equipments and watch on without person. It is easy to find and solve the problems of the production equipments, providing Bluetooth technology and memory the datasheets. It is much safer measurements with double molded plastic housing design and IP67 waterproof.

Safety Conformance

- EN61010-1 CAT IV 600V, CAT III 1000V
- 1000V input protection on all ranges
- 10A/1000V & 0.8A/1000V fuses protection on current ranges

Features

- Large 50,000 count 320 x 240 TFT color LCD display
- Logging function with TrendCapture for easy review of logged data
- Bluetooth interface for easy data transfer & accuracy calibration
- 100kHz bandwidth (voltage/current)
- AC, AC+DC True-RMS measurements
- Records events and trends
- Saves measurements
- A/D convert fast sampling time
- Peak capture (records transients as fast as 250µs)
- Min/Max/Average with Time stamp (records signal fluctuations)
- Moto winding and low ohm 50Ω measurement range
- 4-20mA process loop measurements with % reading
- Low pass filter
- IP Rating 67
- Meterbox iMM & cloud service

Specifications

Function	Maximum	Max. resolution	Accuracy
Voltage DC	1000V	1µV	±(0.025% + 5)
Voltage AC	1000V	1µV	±(0.4% + 40)
Current DC	10A	0.01µA	±(0.15% + 2)
Current AC	10A	0.01µA	±(0.6% + 5)
Temperature	-50°C to 1000°C	0.1°C	±(1.0% + 2.5°C)
Resistance	50MΩ	0.01Ω	±(0.05% + 2)
Capacitance	10mF	0.001nF	±(1.0% + 5)
Frequency	10MHz	0.01Hz	±(0.005% + 1)
Diode and Continuity	Yes		
PC Interface	Bluetooth		
Power Supply	18 hours Li-ion rechargeable battery; AC Adaptor/charger		

Size(HxWxD): 220mm x 96mm x 60mm Weight: 631g

Accessories:

Test leads, Li-ion batteries, Type K temperature probe, AC Adaptor Software, gift box with carrying case.



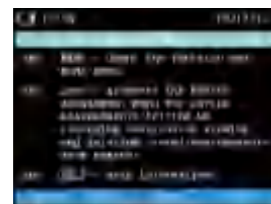
Fast response time



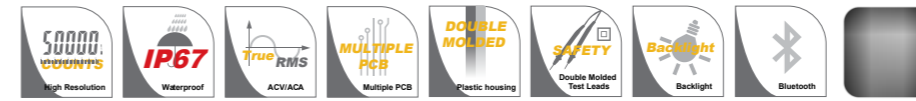
Trend Capture function



High Resolution & Accuracy



Help Menu



- IP67 dust and water proof
- True RMS

- Full Graphics LCD display
- 50000 counts
- PC Calibration

9979 Professional True RMS Industrial Digital Multimeter with 50,000 counts and full Graphics Type LCD display with white backlight, providing fast A/D converting sampling time, high accuracy, built-in datalogging and Trend Capture features. It can monitor any problems of the equipments and watch on without person. It is easy to find and solve the problems of the production equipments, providing Bluetooth technology and memory the datasheets. It is much safer measurements with double molded plastic housing design and IP67 waterproof function.

Safety Conformance

- EN61010-1 CAT IV 600V, CAT III 1000V
- 1000V input protection on all ranges
- 10A/1000V & 0.8A/1000V fuses protection on current ranges



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Features

- Large 50,000 counts, Full Graphics Type LCD display with white backlight. Multiple sets of measurement information can simultaneously be displayed at the same time.
- Voltage (DC/AC), current(DC/AC), resistor, diode, capacitance, frequency and duty cycle measurement
- Ability to record data of signals and review Trend Capture curve, monitoring while you work on other project, it plots measurements as a single line to help detect signal anomalies over time; store up to 10,000 recorded events
- Log multiple sessions or log data continuously for over 200 hours.
- Real Time Clock – for automatic time stamping of saved readings
- Expandable meter lets you keep current as new capabilities are added
- Allow to save and name the measurements, and also recall them at any time
- Min/Max/Average with Time Stamp to record signal fluctuations
- Auto zeroing function
- Soft keys, scroll buttons much more secondary functions to access in easily
- TRMS AC voltage and current for accurate measurements on complex signals or non-linear loads.
- Measure up to 10A (20 A for 30 seconds; 10A continuous)
- Peak hold function with calibration mode
- 10MHz Frequency counter and 1MHz duty cycle measurement
- IP67 Waterproof and Auto Power Off
- Bluetooth interface
- Meterbox iMM & cloud service

Specifications

Function	Maximum	Max. resolution	Accuracy
Voltage DC	1000V	1µV	±(0.025% + 5)
Voltage AC	1000V	1µV	±(0.3% + 20)
Current DC	10A	0.01µA	±(0.10% + 5)
Current AC	10A	0.01µA	±(0.6% + 5)
Temperature	-50°C to 1000°C	0.1°C	±(1.0% + 2.5°C)
Resistance	50MΩ	0.01Ω	±(0.05% + 5)
Capacitance	10mF	0.001nF	±(2.0% + 5)
Frequency	10MHz	0.01Hz	±(0.005% + 5)
Diode and Continuity	Yes		
PC Interface	Bluetooth		
Power Supply	18 hours Li-ion rechargeable battery; AC Adaptor/charger		

Size(HxWxD): 220mm x 96mm x 60mm Weight: 631g

Accessories:

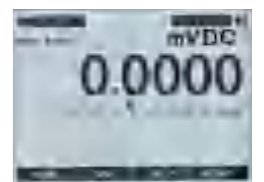
Test leads, Li-ion batteries, Type K temperature probe, Software, gift box with carrying case.



Model 9979



Trend Capture function



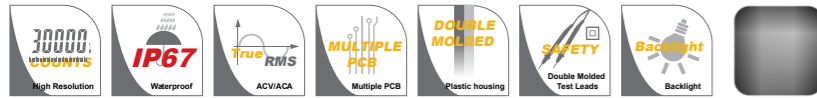
Fast Response time



Real-time data Recording



Multifunction selectable



Model 9978



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



9978 is the new Professional Digital Multimeter which provides safer measurements with double molded plastic housing design and IP67 waterproof function. 9978 performance like datalogger & True RMS AC voltage and current measurements, 50,000 counts resolution and 0.025% basic DC accuracy within the reach of more customers. The large LCD display with analog bargraph and backlit ensure that data are easy to read under all circumstances.

Meterbox iMM software & cloud server support to transfer the measured data to customer's smartphone for edit and storage.

All inputs are protected by EN 61010-1 CATIV 600V/CATIII 1000V.



- Safety Conformance**
- EN61010-1 CAT IV 600V, CAT III 1000V
 - 1000V input protection on all ranges
 - 10A/1000V & 0.5A/1000V fuses protection on current ranges



Specifications

Model		9970	9971	9978
	Max. Range		Best Accuracy	
DC Voltage (v)	1000V	±(0.1%+8)	±(0.05%+5)	±(0.025% + 5)
AC Voltage (v)	1000V	±(0.8%+40)	±(0.6%+40)	±(0.4% + 40)
DC Current (A)	10A	±(0.2%+20)	±(0.15%+20)	±(0.15% + 2)
AC Current (A)	10A	±(1%+15)	±(0.8%+15)	±(0.6% + 5)
Resistance (Ω)	50MΩ	±(0.5%+20)	±(0.4%+20)	±(0.05% + 2)
Capacitance (F)	10mF	±(1.5%+20)	±(0.2%+20)	±(1.0% + 5)
Frequency (Hz)	10MHz	±(0.1%+15)	±(0.1%+15)	±(0.005% + 1)
Temperature(°C)	-40°C~1000°C		±(1.0%+30)	±(1.0% + 2.5°)
Temperature (°F)	-40°F~1832°F		±(1.5%+50)	±(1.0% + 2.5°)

Features

		9970	9971	9978
3.5" LCD Display Count		30,000	30,000	50,000
True RMS and Auto Range		*	*	*
Bandwidth (Hz)	100KHz	*	*	*
Duty Cycle	10%~90%	±(1%+30)	±(1%+30)	±(1%+30)
Diode		*	*	*
Auto Power Off		*	*	*
Continuity Buzzer		*	*	*
Low battery indication		*	*	*
Data Hold		*	*	*
Relative Mode		*	*	*
MAX/MIN		*	*	*
Data logging		*	100	*
Bluetooth Interface		*	*	*
Double Backlight		*	*	*
Analogue Bar Graph		*	*	*
Full Icon Display		*	*	*
Setup		*	*	*
Input Impedance for DCV/ACV	10MΩ	*	*	*
4-20mA Loop	0~100%		±(1%+50)	±(1%+50)
10A/1000V & 0.5A/1000V fuses protection on current ranges		*	*	*
Current Measurement Alarm		*	*	*
Voltage & Current AC+DC Measurement		*	*	*

Size(HxWxD): 220mm x 96mm x 60mm

Weight: 631g

Accessories: Test leads, 6x1.5V "AAA" batteries, Type K temperature probe(9971), gift box with carrying case and Software



Model 9970



Model 9971

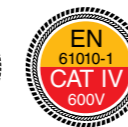


9972/9973/9974 are the new Professional Digital Multimeters which provide much safer measurements with double molded plastic housing design and IP67 waterproof function. 9972/9973/9974 performance like datalogger & True RMS AC voltage and current measurements, 50,000 counts resolution and 0.025% basic DC accuracy within the reach of more customers.

All inputs are protected by EN 61010-1 CATIV 600V/CATIII 1000V.



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



- Bluetooth interface
- 50000 counts
- PC Calibration

- IP67 dust and water proof
- True RMS



Model 9972



Model 9973



Model 9974

Specifications

Model		9972	9973	9974
	Range			
DC Voltage (v)	500mV/5V/50V/500V/1000V	±(0.025%+5)	±(0.025%+5)	±(0.025%+5)
AC Voltage (v)	500mV/5V/50V/500V/1000V	±(0.4%+30)	±(0.4%+30)	±(0.4%+30)
DC Current (A)	500μA/5000μA/50mA/500mA/10A	±(0.1%+15)	±(0.15%+15)	±(0.1%+15)
AC Current (A)	500μA/5000μA/50mA/500mA/10A	±(0.7%+15)	±(0.7%+15)	±(0.7%+15)
Resistance (Ω)	500Ω/5KΩ/50KΩ/500KΩ/5MΩ/50MΩ	±(0.3%+8)	±(0.3%+8)	±(0.3%+8)
Capacitance (F)	50nF/500nF/5μF/50μF/500μF/5mF/50mF	±(1%+20)	±(1%+20)	±(1%+20)
Frequency (Hz)	10Hz-10MHz	±(0.01%+8)	±(0.01%+8)	±(0.01%+8)
Temperature(°C)	-40°C~1000°C	±(1%+30)	±(1%+30)	±(1%+30)
Temperature (°F)	-40°F~1832°F	±(1.5%+50)	±(1.5%+50)	±(1.5%+50)
Power (W)	2500W			±(2%+5)

Features

		9972	9973	9974
3.5" LCD Display Count		50,000	50,000	50,000
Auto Range		*	*	*
True RMS		*	*	*
Bandwidth (Hz)	100KHz	*	*	*
Duty Cycle	10%~90%	±(1%+30)	±(1%+30)	±(1%+30)
Diode		*	*	*
Auto Power Off		*	*	*
Continuity Buzzer		*	*	*
Low battery indication		*	*	*
Data Hold		*	*	*
Relative Mode		*	*	*
MAX/MIN		*	*	*
Data logging		100	9999	100
Bluetooth Interface		*	*	*
Double Backlight		*	*	*
Analogue Bar Graph		*	*	*
Full Icon Display		*	*	*
Setup		*	*	*
Input Impedance for DCV/ACV	10MΩ	*	*	*
4-20mA Loop	0~100%	±(1%+50)	±(1%+50)	±(1%+50)
10A/1000V & 0.5A/1000V fuses protection on current ranges		*	*	*
Current Measurement Alarm		*	*	*
Voltage & Current AC+DC Measurement		*	*	*

Size(HxWxD): 220mm x 96mm x 60mm

Weight: 631g

Accessories:

Test leads, 6x1.5V "AAA" batteries, Type K temperature probe, power adaptor(9974) gift box with carrying case and Software

Heavy Duty True RMS Industrial Multimeter with TFT color LCD display

Features

- Bluetooth interface
- Fully PC Calibration
- Fast response time 10/sec
- 100kHz AC bandwidth
- Heavy duty & compact size
- CATIV 600V/ CATIII 1000V



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



The 989 Heavy duty True RMS Industrial Digital Multimeter with TFT color LCD display, providing fast A/D converting sampling time, high accuracy, built-in datalogging and Trend Capture features. It can trace any interrupted problems of the equipments and watch on without person. It is easy to find and solve the problems of the production equipments, providing Bluetooth technology and memory the datasheets. It is much safer measurements with double molded plastic housing design.



- TFT color LCD display
- 50000 counts
- PC Calibration

- Safety Conformance**
- EN61010-1 CAT IV 600V, CAT III 1000V
 - 1000V input protection on all ranges
 - 10A/1000V & 0.8A/1000V fuses protection on current ranges



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033

Features	989	989H
Large 50,000 count 320 x 240 TFT color LCD display	*	*
Logging function with Trend Capture for easy review of logged data	*	*
Graph 100 Data review	*	*
Bluetooth interface for easy data transfer & accuracy calibration	*	*
10kHz bandwidth (voltage/current)	*	100kHz
AC, ACV+DCV True-RMS measurements	*	*
Records events and trends	*	*
Saves measurements	*	*
A/D convert fast sampling time	*	*
Peak capture (records transients as fast as 250µs)	*	*
Min/Max/Average with Time stamp (records signal fluctuations)	*	*
4-20mA process loop measurements with % reading	*	*
Battery capacity indication	*	*
Date indication	*	*
Meterbox iMM & cloud service	*	*

Specifications	Maximum	Max. resolution	Accuracy
Voltage DC	1000V	100mV	±(0.05% + 4)
Voltage AC	1000V	100mV	±(0.5% + 40)
Current DC	10A	0.1µA	±(0.1% + 5)
Current AC	10A	0.1µA	±(0.8% + 5)
Temperature	-200°C to 1350°C	0.1°C	±(1.0% + 3°C)
Resistance	50MΩ	0.1Ω	±(0.1% + 5)
Capacitance	10mF	0.01nF	±(1.0% + 10)
Frequency	10MHz	0.01Hz	±(0.01% + 4)
Diode and Continuity	Yes		
PC Interface	Bluetooth		
Power Supply	12 hours Li-ion rechargeable battery; AC Adaptor/charger		

Size(HxWxD): 170mm x 79mm x 50mm
Weight: 360g
Accessories:
 Test leads, Li-ion batteries, Type K temperature probe, Software, Power Adaptor, gift box with carrying case.



High Resolution & Accuracy Trend Capture function Help Menu



• True RMS

- TFT color LCD display
- 6000 counts
- PC Calibration

The 988 Heavy duty True RMS Industrial Digital Multimeters with TFT color LCD display, providing fast A/D converting sampling time, high accuracy, built-in datalogging and Trend Capture features. It can trace any interrupted problems of the equipments and watch on without person. It is easy to find and solve the problems of the production equipments, providing Bluetooth technology and memory the datasheets. It is much safer measurements with double molded plastic housing design.

Safety Conformance

- EN61010-1 CAT IV 600V, CAT III 1000V
- 1000V input protection on all ranges
- 10A/1000V & 0.8A/1000V fuses protection on current ranges

Features

- Large 6000 count 320 x 240 TFT color LCD display
- Logging function with Trend Capture for easy review of logged data
- Graph 100 Data review
- Bluetooth interface for easy data transfer & accuracy calibration (Optional)
- 10kHz bandwidth (voltage/current)
- AC True-RMS measurements
- Setup function & Saves measurements
- A/D convert fast sampling time
- Peak capture (records transients as fast as 500µs)
- Min/Max/Average with Time stamp (records signal fluctuations)
- 4-20mA process loop measurements with % reading
- Meterbox iMM & cloud service

Specifications

Function	Maximum	Max. resolution	Basic accuracy
Voltage DC	1000V	100mV	±(0.08% + 4)
Voltage AC	1000V	100mV	±(0.9% + 5)
Current DC	10A	0.1µA	±(0.9% + 5)
Current AC	10A	0.1µA	±(1.2% + 5)
Temperature	760°C/1400°F	0.1°C/°F	±(1.2% + 3°)
Resistance	60MΩ	0.1Ω	±(1.0% + 5)
Capacitance	10mF	0.01nF	±(1.5% + 5)
Frequency	10MHz	0.01Hz	±(0.1% + 4)
Diode and Continuity	Yes		
PC Interface	Bluetooth (Optional)		
Power Supply	12 hours Li-ion rechargeable battery; AC Adaptor/charger		

Size(HxWxD): 170mm x 79mm x 50mm **Weight:** 360g

Accessories:

Test leads, Li-ion batteries, Type K temperature probe, Software, gift box with carrying case.



Model 988



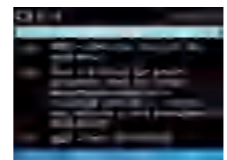
EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Fast response time



High Resolution & Accuracy



Help Menu



• True RMS

• 6000/60000 counts

The 985/987 Heavy duty True RMS Industrial Digital Multimeters with providing fast A/D converting sampling time, high accuracy. It can trace any interrupted problems of the equipments and watch on without person. It is easy to find and solve the problems of the production equipments. It is much more safe measurements with double molded plastic housing design.

Safety Conformance

- EN61010-1 CAT IV 600V, CAT III 1000V
- 1000V input protection on all ranges
- 10A/1000V & 0.8A/1000V fuses protection on current ranges



Features

	985	987	987BT	987H
Large 60,000/6000 count LCD display with analog bargraph & backlight		*	*	*
10kHz bandwidth (voltage/current)	*	*	*	100kHz
AC True-RMS measurements	*	*	*	*
A/D convert fast sampling time	*	*	*	*
Peak capture (records transients as fast as 500µs)	*	*	*	*
Min/Max/Average with Time stamp (records signal fluctuations)	*	*	*	*
Bluetooth interface for easy data transfer & accuracy calibration			*	*
4-20mA process loop measurements with % reading	*	*	*	*

Specifications

Function	Maximum	Max. resolution	Basic Accuracy	985	987	987BT	987H
Voltage DC	1000V	10mV 100mV	±(0.9% + 5)	*	*	*	*
Voltage AC	1000V	10mV 100mV	±(1.0% + 5)	*	*	*	*
Current DC	10A	0.01µA 0.1µA	±(1.5% + 5)	*	*	*	*
Current AC	10A	0.01µA 0.1µA	±(2.5% + 5)	*	*	*	*
Resistance	60MΩ	10 mΩ 100 mΩ	±(1.2% + 5)	*	*	*	*
Temperature	760°C/1400°F	0.1°C/°F	±(2.0% + 3°)	*	*	*	*
Capacitance	10mF	0.01nF	±(2.5% + 5)	*	*	*	*
Frequency	10MHz	0.01Hz	±(1.0% + 2)	*	*	*	*
Diode and Continuity	Yes						
Power Supply	1.5Vx4 "AAA" batteries.						

Size(HxWxD): 170mm x 79mm x 50mm

Weight: 360g

Accessories:

Test leads, Batteries, Type K temperature probe, Software, gift box with carrying case.



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Model 985



Model 987



Model 987BT



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033

965 Series are new compact meters with double molded plastic housing and over sized high contrast 6000 counts LCD display. They are all CAT IV 600V/CATIII 1000V.



Model 965



Model 965BT

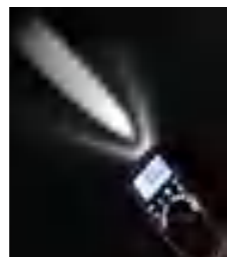
Specifications				
Model	Range	965	965T	965BT
DC Voltage (V)	600mV/6V/60V/600V/1000V	±(0.5%+1)	±(0.5%+1)	±(0.1%+2)
AC Voltage (V)	600mV/6V/60V/600V/1000V	±(1.0%+3)	±(1.0%+3)	±(0.8%+10)
DC Current (A)	600µA/6000µA/60mA/600mA/6A/10A	±(1.0%+3)	±(1.0%+3)	±(0.5%+10)
AC Current (A)	600µA/6000µA/60mA/600mA/6A/10A	±(1.2%+3)	±(1.2%+3)	±(0.8%+3)
Resistance (Ω)	600Ω/6KΩ/60KΩ/600KΩ/6MΩ/60MΩ	±(1.2%+5)	±(1.2%+5)	±(0.8%+10)
Capacitance (F)	40nF/400nF/4µF/40µF/400µF/4000µF	±(3.0%+5)		±(3.0%+10)
Frequency(Hz)	10Hz-10KHz	±(0.1%+5)	±(0.1%+5)	±(0.01%+5)
Temperature(°C)	-20°C~760°C	±(1.2%+3°C)	±(1.2%+3°C)	±(1.0%+3°C)
Temperature(°F)	-4°F~1400°F	±(2.0%+4°F)	±(2.0%+4°F)	±(1.8%+4°F)
Features				
Display Count		6000	6000	6000
Auto Range		*	*	*
True RMS			*	*
Bandwidth(Hz)		45Hz-1kHz	45Hz-1kHz	45Hz-1kHz
Duty Cycle	0.1~99.9%	*	*	*
Diode		*	*	*
Auto Power Off	Around 15 Minutes	*	*	*
Continuity Buzzer		*	*	*
Low Battery Indication	≤4.5V	*	*	*
Data Hold/Relative Mode		*	*	*
MAX/MIN/AVG		MAX/MIN	MAX/MIN	MAX/MIN/AVG
AC+DC		*	*	*
Peak Value			*	*
Bluetooth interface with Meterbox iMM software				*
Automatic backlight for LCD, Button, knob Switch & Flashlight		*	*	*
Analogue Bar Graph		61	61	61
Low input Impedance for DCV/ACV measurements	>3kΩ @ 600V MAX.		*	*
Input Protection		*	*	*
Input Impedance for DCV	Around 10MΩ	*	*	*
IP67 Waterproof		*	*	*

Size(HxWxD): 170mm x 74mm x 45mm

Weight: 218g

Accessories:

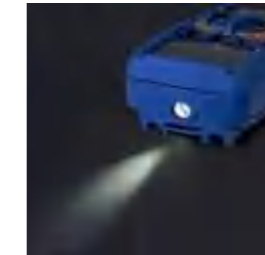
Test leads, 1.5AAA x 4 batteries, Temperature Probe, carrying case and gift box.



950 Series are new compact meters with double molded plastic housing and over sized high contrast 4000 counts LCD display. They are all CAT III 600V.



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Model 952BT



Model 951



Model 950

Specifications						
Model	Range	950	950B	951	951BT	952BT
DC Voltage (V)	400mV/4V/40V/400V/600V	±(0.8%+2)	±(0.8%+2)	±(0.8%+2)	±(0.8%+1)	±(0.8%+1)
AC Voltage (V)	4V/40V/400V/600V	±(1.0%+3)	±(1.0%+3)	±(0.8%+10)	±(0.8%+10)	±(0.8%+10)
DC Current (A)	400µA/4000µA/40mA/400mA	±(1.0%+3)				±(1.0%+3)
AC Current (A)	4A/10A	±(1.2%+3)		±(1.2%+3)	±(1.2%+3)	±(12%+3)
Resistance (Ω)	400Ω/4KΩ/40KΩ/400KΩ/4MΩ/40MΩ	±(1.2%+5)	±(1.2%+5)	±(1.2%+5)	±(0.8%+10)	±(0.8%+10)
Capacitance (F)	40nF/400nF/4µF/40µF/400µF/4000µF	±(3.0%+5)	±(3.0%+5)	±(3.0%+5)	±(3.0%+10)	±(3.0%+10)
Frequency(Hz)	10Hz-10MHz	±(1.2%+5)	±(1.2%+5)	±(1.2%+5)	±(1.2%+5)	±(1.2%+5)
Temperature(°C)	-20°C~760°C	±(1.2%+3°C)	±(1.2%+3°C)	±(1.2%+3°C)	±(1.0%+3°C)	±(1.0%+3°C)
Temperature(°F)	-4°F~1400°F	±(2.0%+4°F)	±(2.0%+4°F)	±(2.0%+4°F)	±(1.8%+4°F)	±(1.8%+4°F)

Features				
	950	950B	951	951BT/952BT
Display Count	4000	4000	4000	4000
Auto Range	*	*	*	*
True RMS		*	*	*
Bandwidth(Hz)	45Hz-1kHz	45Hz-1kHz	45Hz-1kHz	45Hz-1kHz
Duty Cycle	0.1~99.9%	*	*	*
Diode		*	*	*
Auto Power Off	Around 15 Minutes	*	*	*
Continuity Buzzer		*	*	*
Low Battery Indication	≤3.5V	*	*	*
Data Hold		*	*	*
MAX/MIN		*	*	*
Bluetooth interface with Meterbox iMM software				*
LCD Backlight		*	*	*
Flashlight		*	*	*
Analogue Bar Graph	41	41	41	41
Low input Impedance for DCV/ACV measurements	>3kΩ @ 600V MAX.		*	*
Input Protection		*	*	*
Input Impedance for DCV	Around 10MΩ	*	*	*
IP67 Waterproof		*	*	*

Size(HxWxD): 150mm x 65mm x 38mm

Weight: 188g

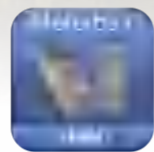
Accessories:

Test leads, 1.5V AAA x 3 batteries, Temperature Probe, carrying case and gift box.



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033

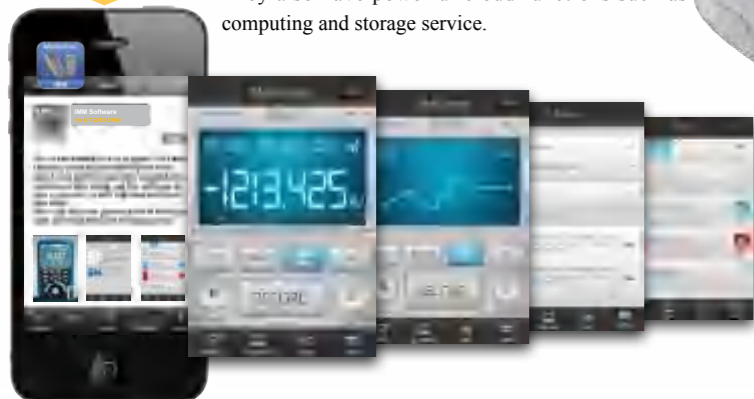
Meterbox-iMM Software for DT-9959 DMM



Amazing features and built-in apps.

The Meterbox-iMM software can support our DMM product transferring the measured data to the customer's smartphone. Customers can easily use the software to check, transfer or edit the data with table and chart.

They also have powerful cloud functions such as computing and storage service.



More Applications...

Features

- Fast respond time & PC calibration
- IP67 dust and waterproof
- Bluetooth interface (9959)
- CATIII 1000V/CATIV 600V



9919/9919B/9929/9939/9949/9959 are the new Professional Digital Multimeters which provide much more safe measurements with double molded plastic housing design and IP67 waterproof function. 9949/9959 performance like datalogger & True RMS AC voltage and current measurements, 50,000 counts resolution and a 0.03% basic DC accuracy within the reach of more customers. The large LCD display with analog bargraph and backlit ensure that datas are easy to read under all circumstances.

All inputs are protected to EN 610101-1 CATIV 600V/CATIII 1000V.

Safety Conformance

- EN61010-1 CAT IV 600V, CAT III 1000V
- 1000V input protection on all ranges
- 10A/1000V & 0.5A/1000V fuses protection on current ranges



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



- IP67 dust and water proof
- True RMS

- Bluetooth interface (9959)
- 50000 counts
- PC Calibration

Features

	9919	9919B	9929	9939	9949	9959
20,000 counts high resolution (0.01mV, 0.01µA, 0.01Ω)		*				
40,000 counts high resolution (0.01mV, 0.01µA, 0.01Ω)	*		*	*		
50,000 counts high resolution (0.01mV, 0.01µA, 0.01Ω)					*	*
Triple LCD display with bargraph & Backlit		*	*	*	*	*
AC+DC Measurement			*	*	*	*
9999 Readings memories			*	*	*	*
True RMS measurement & Peak capture mode	*	*	*	*	*	*
1000V input protection on all ranges	*	*	*	*	*	*
4-20mA process loop measurements with % reading	*		*	*	*	*
Data Hold/MAX/MIN recording mode	*	*	*	*	*	*
IP67 Waterproof and Auto Power Off	*	*	*	*	*	*
Wide capacitance range	*	*	*	*	*	*
Wireless USB interface						*
Bluetooth interface with Meterbox iMM software						*

Specifications

Function	Max. Range	Max.Resolution	Basic Accuracy
Voltage DC	1000 V	10µV	±0.03% (9949/9959) ±0.06% (9929/9939) ±0.06% (9919/9919B)
Voltage AC	1000V	10µV	±1.0%
Current DC	10A	0.01µA	±1.0%
Current AC	10A	0.01µA	±1.5%
Resistance	40MΩ	10mΩ	±0.3%
Duty Cycle	99.9%	0.1%	±1.2%
Frequency	10MHz	0.001Hz	±0.1%
Capacitance	40mF	10PF	±3.5%
Temperature	1200°C/2192°F/ 760°C/1400°F(9919)	0.1°C/°F	±1.0%
Diode Check			
Continuity Test			

Size(HxWxD): 183mm x 82mm x 55mm
Weight: 447g

Accessories:

Test leads, 9V battery, Type K temperature probe, gift box with carrying case and Software (9959)
USB cable and Software (9939)



Model 9959



Model 9929/9939



Model 9949



Model 9919





IP67 dust and water proof

True RMS (9915T/9917T/9918T)



Model 9918



Model 9917



Model 9915

The seven models of the new 9915,9915T, 9916, 9917,9917T, 9918 and 9918T series are the new 4000 counts multimeters. They set the standard with a combination of precision, features, easy-to-use, safety and reliability.

9915T/9917T/9918T have True RMS AC Voltage, Current readings, as well as Frequency and Capacitance ranges.

Safety Conformance

- EN61010-1 CAT IV 600V, CAT III 1000V
- 1000V input protection on all ranges
- 10A/1000V & 0.5A/1000V fuses protection on current ranges



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Features

	9915/9915T	9916	9917/9917T	9918/9918T
Digital display counts	4000	4000	4000	4000
True RMS measurement	9915T		9917T	9918T
Safety design	*	*	*	*
Relative zero	*	*	*	*
Data Hold	*	*	*	*
MAX/MIN recording mode				*
Auto Power Off	*	*	*	*
Peak capture mode				*
Wide capacitance range		20mF		*
Current DC/AC 40µA		*		*
Analog bargraph/segment				*

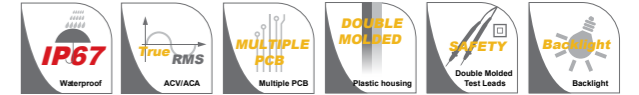
Specifications

Function	Max. Range	Basic Accuracy	9915/9915T	9916	9917/9917T	9918/9918T
Voltage DC	1000 V	±0.5%	*	*	*	*
Voltage AC	1000V	±0.8%	*	*	*	*
Current DC	10A	±1.2%	*	*	*	*
Current AC	10A	±1.8%	*	*	*	*
Resistance	40MΩ	±0.8%	*	*	*	*
Duty Cycle	99.9%	±1.2%	*	*	*	*
Frequency	10MHz	±1.5%	*	*	*	*
Capacitance	200µF/40mF	±3.0%	200µF	20mF	200µF	40mF
Temperature	760°C/1400°F	±3.0%			*	*
Diode Check			*	*	*	*
Continuity Test			*	*	*	*

Size(HxWxD): 182mm x 82mm x 55mm
Weight: 360g

Accessories:

Test leads and 9V battery,
Type K temperature probe (9917/9918/9917T/9918T), gift box with carrying case.



The three models of 9926, 9927 & 9927T series are the new 6000 counts multimeters. They are a combination of precision, features, easy-to-use, safety and reliability.

9928/9928T are the new 11,000 counts and 9938 is the new 22,000 counts multimeter. They are a combination of precision, features, easy-to-use, safety and reliability.

9927T/9928T has True RMS AC Voltage and Current readings, MAX-MIN recording.

Safety Conformance

- EN61010-1 CAT IV 600V, CAT III 1000V
- 1000V input protection on all ranges
- 10A/1000V & 0.5A/1000V fuses protection on current ranges



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Features

	9926	9927	9927T	9928	9928T	9938
Digital display counts	6000	6000	6000	11,000	11,000	22,000
Max. Resolution	0.1mV/0.1µA/0.1Ω			0.01mV/0.01µA/0.01Ω		
True RMS measurement			*		*	*
Analog bargraph/segment	*/61	*/61	*/61			*
Safety design	*	*	*	*	*	*
Relative mode	*	*	*	*	*	*
Data Hold	*	*	*	*	*	*
MAX/MIN recording mode	*	*	*	*	*	*
Auto Ranging	*	*	*	*	*	*
Auto Power Off	*	*	*	*	*	*
Wide capacitance range	1000µF	1000µF	1000µF	110mF	110mF	*
Temperature function		*	*	*	*	*

Specifications

Function	Max. Range	Basic Accuracy
Voltage DC	1000 V	±0.09%
Voltage AC	1000V	±0.8%
Current DC	10A	±1.0%
Current AC	10A	±1.5%
Resistance	40MΩ	±0.3%
Duty Cycle	99.9%	±1.2%
Frequency	10MHz	±0.1%
Capacitance	40mF	±3.5%
Temperature	760°C/1400°F(9919)	±3.0%
Diode Check		
Continuity Test		

Size(HxWxD): 182mm x 82mm x 55mm
Weight: 360g

Accessories:

Test leads, 9V battery,
Type K temperature probe and gift box with carrying case.



Model 9927/9927T



Model 9926



Model 9928/9928T



Model 9938



Professional True RMS Industrial Digital Multimeter with OLED display



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Made for
iPod iPhone iPad

• 6,000 counts

9968/9968BT are Professional digital multimeters which provide safer measurements with double molded plastic housing design and IP67 waterproof function. 9968/9968BT performance as True RMS AC/DC voltage and current measurement, 6000 counts resolution. The large OLED display with analog bargraph and backlit ensures that readings are easy to read under all circumstances.

All inputs are protected by EN 61010-1 CATIV 600V/ CATIII 1000V.

Safety Conformance

- EN61010-1 CAT IV 600V, CAT III 1000V
- 1000V input protection on all ranges
- 10A/1000V & 0.8A/1000V fast fuses protection on current ranges

IP67 dust and water proof
True RMS



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Features

	9968	9968BT
Large 6,000 count OLED display	*	*
Logging function with Trend Capture for easy review of logged data	*	*
Bluetooth interface for easy data transfer	*	*
2kHz bandwidth (voltage/current)	*	*
AC, ACV+DCV True-RMS measurements	*	*
Record events and trends	*	*
Save measurements	*	*
Peak Hold	*	*
Min/Max/Average with Time stamp (records signal fluctuations)	*	*
4-20mA process loop measurements with % reading	*	*
Battery capacity indication	*	*
Flexible Current test (320B optional)	*	*
Date indication	*	*
Bluetooth interface	*	*
Meterbox iMM & cloud service	*	*

Specifications

Function	Maximum	Max. resolution	Accuracy
Voltage DC	1000V	100mV	±(0.9% + 4)
Voltage AC	1000V	100mV	±(1.0% + 40)
Current DC	10A	0.1µA	±(1.8% + 5)
Current AC	10A	0.1µA	±(2.0% + 5)
Flexible A	3000A	0.01A	±(3.0%+5d)
Temperature	-20°C to 1000°C	0.1°C	±(2.0% + 3°C)
Resistance	60MΩ	0.1Ω	±(1% + 5)
Capacitance	60mF	0.01nF	±(2.0% + 10)
Frequency	10MHz	0.01Hz	±(0.5% + 4)
Diode	Max 3V Test current <0.5mA		
Continuity	Buzzer sounds at 50Ω		

Size(HxWxD): 170mm x 79mm x 50mm

Weight: 342g

Accessories:

- Test leads, 9V battery.
- Type K temperature probe and gift box.



Model 9968BT



Model 320B



Model 9968



Model 320B



9969 is a Professional digital multimeter with 50000 counts resolution and a 0.06% basic DC accuracy within the reach of more customers.

9967/9967T series are the new 6600 counts multimeters. They are a combination of precision, easy-to-use, safety and reliability.

9967T has True RMS AC Voltage, Current readings, MAX-MIN recording, as well as Frequency and Capacitance readings.

All inputs are protected by EN 61010-1 CATIV 600V/CATIII 1000V.



Model 9969

Made for iPod iPhone iPad



- PC Calibration
- 50,000 counts

- IP67 dust and water proof
- True RMS

Meterbox-iMM Software for DT-9969 DMM

Amazing features and built-in apps.

The Meterbox-iMM software can support our DMM product transferring the measured data to the customer's smartphone. Customers can easily use the software to check, transfer or edit the data with table and chart. They can also have powerful cloud functions such as computing and storage service.



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Model 9967T



Model 9967

Features

	9967	9967T	9969
Digital display counts	6600	6600	50,000
50,000 counts high resolution (0.001mV, 0.01µA, 0.01Ω)			*
True RMS measurement		*	*
1000V input protection on all ranges	*	*	*
Data Hold/ MAX/MIN /Relative function	*	*	*
Auto Power Off	*	*	*
Analog bargraph & segment	*	*	*
NCV Function	*	*	*

Specifications

Function	Max. Range	Basic Accuracy	9967	9967T	9969
Voltage DC	1000 V	±0.5%	*	*	±0.06%
Voltage AC	1000V	±0.8%	*	*	±1.0%
Current DC	10A	±1.2%	*	*	±1.0%
Current AC	10A	±1.8%	*	*	±1.5%
Resistance	60MΩ	±0.8%	*	*	±0.3%
Duty Cycle	99.9%	±1.2%	*	*	±1.2%
Frequency	10MHz	±1.5%	*	*	±0.1%
Capacitance	100µF/60mF	±3.0%	*	*	±3.5%
Temperature	760°C/1400°F	±3.0%	*	*	±1.0%
Diode Check			*	*	*
Continuity Test			*	*	*

Size(HxWxD): 170mm x 79mm x 50mm
Weight: 366g

Accessories:
Test leads, 9V battery.
Type K temperature probe and gift box.



IP67 dust and water proof

True RMS (9961W/9962T/9963T)



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Model 9960



Model 9961W



9960, 9961, 9961W, 9962 and 9962T series are the new 4000 counts multimeters. 9963/9963T are 6000 counts multimeters. They are a combination of precision, easy-to-use, safety and reliability.

9962T /9963T have True RMS AC Voltage, Current readings, MAX-MIN recording, Peak recording, as well as Frequency and Capacitance readings.

9961W has wireless USB interface.

Safety Conformance

- EN61010-1 CAT IV 600V, CAT III 1000V
- 1000V input protection on all ranges
- 10A/1000V & 0.5A/1000V fuses protection on current ranges

Features

	9960	9961/9961W	9962/9962T	9963/9963T
Digital display counts	4000	4000	4000	6000
True RMS measurement		9961W	9962T	9963T
Safety design	*	*	*	*
Relative zero	*	*	*	*
Data Hold	*	*	*	*
MAX/MIN recording mode			*	*
Auto Power Off	*	*	*	*
Peak capture mode			*	*
Wide capacitance range			40mF	1000µF
Analog bargraph/segment			*/42	*/61
NCV Function	*	*	*	*

Specifications

Function	Max. Range	Basic Accuracy	9960	9961/9961W	9962/9962T	9963/9963T
Voltage DC	1000 V	±0.5%	*	*	*	*
Voltage AC	1000V	±0.8%	*	*	*	*
Current DC	10A	±1.2%	*	*	*	*
Current AC	10A	±1.8%	*	*	*	*
Resistance	40MΩ	±0.8%	*	*	*	*
Duty Cycle	99.9%	±1.2%	*	*	*	*
Frequency	10MHz	±1.5%	*	*	*	*
Capacitance	100µF/40mF	±3.0%	100µF	100µF	40mF	1000µF
Temperature	760°C/1400°F	±3.0%	*	*	*	*
Diode Check			*	*	*	*
Continuity Test			*	*	*	*

Size(HxWxD): 170mm x 79mm x 50mm
Weight: 366g

Accessories:
Test leads, 9V battery.
Type K temperature probe (9961/9961W/9962/9962T/9963/9963T) and gift box.



True RMS Digital Multimeters Quick Reference Guide

Features

- CAT IV 600 V safety category
- True RMS Digital Multimeters
- Bluetooth interface
- VFD function



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Mode 9515 series
Professional True RMS Digital Multimeters



Mode 913 series
Compact True RMS Digital Multimeters



Mode 21 series
Pocket True RMS Digital Multimeters



9515 series Digital Multimeters are compact and simple use for safe and reliable measurements. They are high accuracy and good choice to find and solve problems of the production equipments.

Safety Conformance

- EN61010-1 CAT IV 600V, CAT III 1000V
- 1000V input protection on all ranges
- 10A/1000V & 0.8A/1000V fuses protection on current ranges



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033

Features

- CAT IV 600 V safety category
- Large OLED display (9519BT)
- Frequency and temperature measurement
- Voltage, Resistance, Continuity, Capacity measurement
- AC/DC current measurement, Max 10A current
- Diode test, data hold
- Peak Hold



Low pass filter for accurate measurement of variable frequency drive (VFD) signals (9516/9517/9518/9518B/9519BT)



Model 9515



Model 9517

Features

	9515	9515B	9516	9517	9518	9518B	9519BT
LCD display	LCD	LCD	LCD	LCD	LCD	LCD	OLED
Backlit Controls	*	*	*	*	*	*	*
Range mode	Manual	Manual	Auto	Auto	Auto	Auto	Auto
ACV+DCV measurements					*	*	*
Digital display counts	6000	2000	6000	6000	6000/60000	6000/60000	6000
Analog Bargraph/segments					*	*	*
AC bandwidth (voltage/current)	1kHz	1kHz	1kHz	1kHz	10kHz	10kHz	1kHz
Auto Power Off	*	*	*	*	*	*	*
True-RMS measurements	*	*	*	*	*	*	*
Flexible A 3000A					*	*	*
VFD function			*	*	*	*	*
Bluetooth interface							*
Flexible Current test					*	*	*
Date indication							*
Data storage							*

Specifications

Function	Max. Range	Basic Accuracy	9515	9515B	9516	9517	9518	9518B	9519BT
AC Voltage	1000V	1.0% ± 5 counts	*	*	*	*	*	*	*
DC Voltage	1000V	0.5% ± 3 counts	*	*	*	*	*	*	*
AC Current	10A	2.5% ± 5 counts	*	*	*	*	*	*	*
DC Current	10A	2.0% ± 3 counts	*	*	*	*	*	*	*
Flex A AC	3000A	3.0% ± 3 counts					*	*	*
Resistance	60Meg	2.5% ± 5 counts	*	20Meg	*	*	*	*	*
Temperature	-20 to 1000°C -4 to 1832°F	2.5% ± 3°C				*	*	*	*
Capacitance	6000uF	2.5% ± 5 counts	*	2000uF	*	*	*	*	60mF
Duty Cycle	1~99%		*	*	*	*	*	*	*
Frequency	10MHz	1.0% ± 2 counts	*	*	*	*	*	*	*
Continuity	50Ω		*	*	*	*	*	*	*
LoZ	600V		*	*	*	*	*	*	*
Diode Check	MAX 3V		*	*	*	*	*	*	*
4-20mA%							*	*	*

Size(HxWxD): 188mm x 90mm x 45mm **Weight:** 373g

Accessories: Test leads, 1.5Vx3 "AAA" batteries, Type K temperature probe, 320B option (9518/9519BT), software and gift box with carrying case.



Model 320B



Model 9519BT



DT-913/913B/913T/915/915T series are compact meters with rubber holster housing and over sized high contrast 6000 counts LCD display (915/915T). They're all CAT III rated for 600V.

Low pass filter for accurate measurement of variable frequency drive (VFD) signals (915/915T)



Model 913T



Model 915

• EN61010-1 CATIII 600V

• True RMS (913/913T/915/915T)
• 6000 counts LCD display (915/915T)



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033

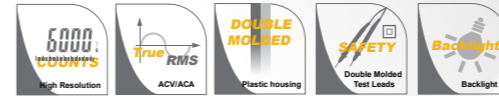
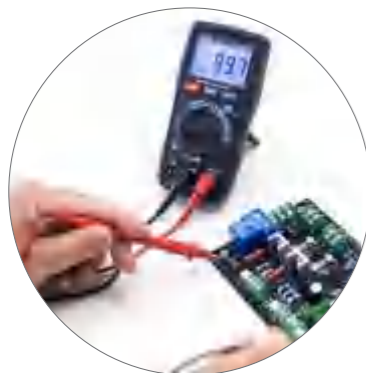


Safety Conformance
EN61010-1 CATIII 600V
Single molded plastic housing with holster
Full ranges protection

Features					
	913B	913	913T	915	915T
Range Model	Manual	Auto	Auto	Auto	Auto
LCD display	*	*	*	*	*
Backlit Controls		*	*	*	*
Digital display counts	2000	4000	4000	6000	6000
True RMS		*	*	*	*
Data Hold	*	*	*	*	*
Auto Power Off		*	*	*	*
Low battery indication	*	*	*	*	*
VFD				*	*

Specifications							
Function	Max. Range	Basic Accuracy	913B	913	913T	915	915T
AC Voltage	600V	1.0% ± 5 counts	*	*	*	*	*
DC Voltage	600V	0.5% ± 3 counts	*	*	*	*	*
AC Current	10A	2.5% ± 5 counts		*	*	*	*
DC Current	10A	2.0% ± 3 counts	*	*	*	*	*
Resistance	60MΩ	2.5% ± 5 counts	2MΩ	40MΩ	40MΩ	*	*
Temperature	-20 to 800°C -4 to 1472°F	2.5% ± 3°C			*		*
Capacitance	40mF	2.5% ± 5 counts		*	*	60mF	60mF
Duty Cycle	1~99%			*	*	*	*
Frequency	10MHz	1.0% ± 2 counts		*	*	*	*
Continuity	50Ω		30Ω	*	*	*	*
Diode Check	MAX 3V		1.5V	*	*	*	*

Size(HxWxD): 144mm x 72mm x 38mm
Weight: 214g
Accessories:
Test leads, 2 x 1.5V "AAA" battery, type K temperature probe (913T/915T) and gift box with carrying case.



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



• EN61010-1 CATIII 600V

• True RMS (212/212T/213/215)
• 6000 counts LCD display (213/215)

Low pass filter for accurate measurement of variable frequency drive (VFD) signals (213/215)

Features						
	211	211B	212	212T	213	215
Range Model	Auto	Manual	Auto	Auto	Auto	Auto
LCD display	*	*	*	*	*	*
Backlit Controls	*	*	*	*	*	*
Digital display counts	2000	2000	4000	4000	6000	6000
True RMS			*	*	*	*
Auto Power Off	*		*	*	*	*
Low battery indication	*	*	*	*	*	*
VFD					*	*

Specifications								
Function	Max. Range	Basic Accuracy	211	211B	212	212T	213	215
AC Voltage	600V	1.0% ± 5 counts	*	*	*	*	*	*
DC Voltage	600V	0.5% ± 3 counts	*	*	*	*	*	*
AC Current	600mA	2.5% ± 5 counts	200mA		400mA	400mA	*	*
DC Current	600mA	2.0% ± 3 counts	200mA	200mA	400mA	400mA	*	*
Resistance	60MΩ	2.5% ± 5 counts	20MΩ	2MΩ	40MΩ	40MΩ	*	*
Temperature	-20 to 800°C -4 to 1472°F	2.5% ± 3°C				*		*
Capacitance	60mF	2.5% ± 5 counts			4000uF	4000uF	*	*
Duty Cycle	1~99%				*	*	*	*
Frequency	10kHz	1.0% ± 2 counts			*	*	*	*
Continuity	50Ω		30Ω	30Ω	*	*	*	*
Diode Check	MAX 3V		1.5V	1.5V	*	*	*	*



Model 211



Model 213



Model 215

Size(HxWxD): 132mm x 65mm x 35mm
Weight: 205g

Accessories:
Test leads, 2 x 1.5V "AAA" battery, type K temperature probe (212T/215) and gift box with carrying case.

Features

- Fast respond time & PC calibration
- IP67 dust and water proof
- Bluetooth interface
- CATIII 1000V/CATIV 600V



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Meterbox-iMM Software
for DT-971 Series DMM

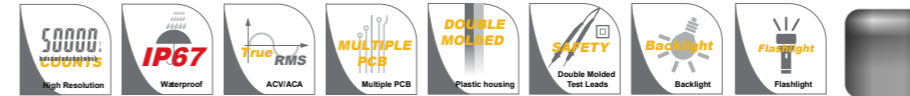
Amazing features and built-in apps.

The Meterbox-iMM software can support our DMM product transferring the measured data to the customer's smartphone. Customers can easily use the software to check, transfer or edit the data with table and chart.

They also have powerful cloud functions such as computing and storage service.



More Applications...



970/971/972/973 are the new Professional Digital Multimeters which provide much safer measurements with double molded plastic housing design and IP67 waterproof function. 972/973 performance like datalogger & True RMS AC voltage and current measurements, 50,000 counts resolution and a 0.03% basic DC accuracy within the reach of more customers. The large LCD display with analog bargraph and backlit ensure that readings are easy to read under all circumstances.

All inputs are protected to EN 61010-1 CATIV 600V/CATIII 1000V.

Safety Conformance

- EN61010-1 CAT IV 600V, CAT III 1000V
- 1000V input protection on all ranges
- 10A/1000V & 0.5A/1000V fuses protection on current ranges



- Bluetooth interface
- 50000 counts
- PC Calibration

- IP67 dust and water proof
- True RMS

Features

	970	971	972	973
50,000 counts high resolution (0.01mV, 0.01µA, 0.01Ω)			*	*
Larger 50000 counts display with bargraph	6000 counts LCD display	6000 counts LCD display	Negativity LCD Display	OLED Display
AC+DC Measurement	*	*	*	*
9999 Readings memories		*		*
AC bandwidth (voltage/current)	3kHz	3kHz	10kHz	10kHz
Analog bargraph/segment	*60	*60	*60	*60
True RMS measurement	*	*	*	*
1000V input protection on all ranges	*	*	*	*
4-20mA process loop measurements with % reading		*	*	*
Data Hold/MAX/MIN recording mode	*	*	*	*
IP67 Waterproof and Auto Power Off	*	*	*	*
Wide capacitance range	*	*	*	*
Bluetooth interface with Meterbox iMM software		*	*	*
Powerful Working light	*	*	*	*
Low pass filter (VFD)	VFD	VFD	LPF	LPF

Specifications

Function	Max. Range	Max. Resolution	Basic Accuracy
Voltage DC	1000 V	10µV	±0.03% (972/973) ±0.5% (970/971)
Voltage AC	1000V	10µV	±1.0%
Current DC	10A	0.01µA	±1.0%
Current AC	10A	0.01µA	±1.5%
Resistance	60MΩ	10mΩ	±0.3%
Duty Cycle	99.9%	0.1%	±1.2%
Frequency	10MHz	0.001Hz	±0.1%
Capacitance	60mF	10PF	±3.5%
Temperature	-50°C to 1300°C -58°F to 2372°F	0.1°C/°F	±1.0%
Diode Check	Test current <0.5mA MAX 3V		
Continuity Test			

Size(HxWxD): 183mm x 82mm x 55mm
Weight: 447g

Accessories:
Test leads, 9V battery, Type K temperature probe, gift box with carrying case and Software



Model 971



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Model 972



Model 973

True RMS Compact Digital Multimeters



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033

960 Series Category III rating ensure the highest level of protection against sudden transient overvoltage and arcing flash-over with advanced DMM features and True RMS accuracy. This rugged, IP65 waterproof and 2m drop-proof multimeter will take whatever rough handling you dish out.

Features

- AC True RMS measurements
- IP65 Water proof & 2m drop-proof
- Heavy duty & compact size
- CATIII 600V



• True RMS

• Double molded plastic housing

DT-960/960B/960C/960BL/960BT/960BT6/961/962/964/966 Series are True RMS compact digital multimeters with double molded plastic housing and over sized high contrast 4000 counts LCD display. They're all CAT III rated for 600V.



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



- Safety Conformance
- EN61010-1 CATIII 600V
 - Double molded plastic housing
 - Full ranges protection

Features

	960	960B	960BL	960BT	960BT6	961	962	964	966	960C
Digital display counts	4000	4000	2000	4000	6000	4000	4000	6000	6000	6000
Display type(Negativity display)	*	Positive	Positive	Positive	Positive	*	*	*	Positive	Positive
True RMS measurements	*	*	*	*	*	*	*	*	*	*
Safety design	*	*	*	*	*	*	*	*	*	*
Data Hold/ MAX/MIN recording mode	*	*	*	*	*	*	*	*	*	*
Flash light/ Backlight	*	*	*	*	*	*	*	*	*	*
Auto Ranging & Auto Power Off	*	*	*	*	*	*	*	*	*	*
Type K temperature input						*	*	*	*	*
Bluetooth interface with Meterbox iMM software				*	*				*	*
LoZ: low input impedance to prevent ghost voltage							*	*		

Specifications

Function	Max Range	Basic Accuracy	960	960B	960BL	960BT	960BT6	961	962	964	966	960C
Voltage DC	600V	±0.5%	*	*	*	*	*	*	*	*	*	*
Voltage AC	600V	±1.0%	*	*	*	*	*	*	*	*	*	*
Current DC	10A	±1.0%	*	*	*	*	*	*	*	*	*	*
Current AC	10A	±2.0%	*	*	*	*	*	*	*	*	*	*
Resistance	40MΩ	±1.5%	*	*	20MΩ	*	6MΩ	*	*	60MΩ	6MΩ	60MΩ
Capacitance	4000μF	±3.0%	*	*	*	*	6000μF	*	*	4000μF	6000μF	6000μF
Frequency	10kHz	±1.0%	*	*	*	*	*	*	*	*	*	*
Temperature	760°C/1400°F	±3.0%						*	*	*	*	*
Duty Cycle	99.9%	±1.2%	*	*	*	*	*	*	*	*	*	*
Diode Check			*	*	*	*	*	*	*	*	*	*
Continuity Test			*	*	*	*	*	*	*	*	*	*



Size(HxWxD): 120mm x 67mm x 46mm Weight: 200g
Accessories: Test leads, 1.5V AAA x 2 batteries, type K temperature probe (961/962) and gift box with carrying case.



Flexible clamp Model DT-320BS



Model 960C



Model 961



Model 960BL



660/661/662/663/663T Series are compact multimeters with high contrast 2000/4000 counts LCD display. They're all CAT III rated for 600V and provide 0.5% basic DCV accuracy.

- Safety Conformance**
- EN61010-1 CATIII 600V
 - Full ranges protection

• 0.5% basic DC accuracy



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Model 660 Model 661 Model 662 Model 663T Holster for option



Features

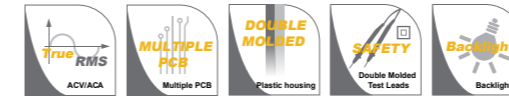
	660	661	662	663	663T
Digital display counts with Backlight	2000	2000	2000	4000	4000
Auto/manual ranging	manual	manual	Auto	Auto	Auto
True RMS measurements	*	*	*	*	*
Safety design	*	*	*	*	*
Data Hold	*	*	*	*	*
Auto Power Off	*	*	*	*	*
Type K temperature input	*	*	*	*	*

Specifications

Function	Max Range	Basic Accuracy	660	661	662	663	663T
Voltage DC	600V	±0.5%	*	*	*	*	*
Voltage AC	600V	±1.0%	*	*	*	*	*
Current DC	10A	±1.5%	*	*	*	*	*
Current AC	10A	±2.0%	*	*	*	*	*
Resistance	2MΩ	±1.0%	*	*	*	*	*
	20MΩ						
	40MΩ						
Capacitance	4000μF	±3.0%				*	*
Frequency	10kHz	±1.0%				*	*
Duty Cycle	99.9%	±1.2%				*	*
Temperature	760°C/1400°F	±3.0%				*	*
Diode Check			*	*	*	*	*
Continuity Test			*	*	*	*	*
9V, 1.5V Battery Test			*	*	*	*	*

Size(HxWxD): 120mm x 67mm x 46mm
Weight: 200g

Accessories:
Test leads, 1.5V AAA x 2 batteries, type K temperature probe (663T) and Clamshell.



- Safety Conformance**
- EN61010-1 CAT IV 300V, CAT III 600V
 - 600V input protection on all ranges



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Features

	896	897	897FC
Large LCD display 6000 counts with flashlight	*	*	*
240 x 320 2.4" TFT color LCD display	*	*	*
0.47" (12mm) Fork clamp sensor for AC/DC 100A current measurement			*
Temperature measurements		*	*
Record events and trends		*	*
True RMS measurements	*	*	*
Saves measurements	*	*	*
A/D convert fast sampling time: 3 Times/sec.	*	*	*
Low pass filter	*	*	*
Peak capture (records transients as fast as 500μs) & Data Hold	*	*	*
Min/Max with Time stamp (records signal fluctuations)	*	*	*
Bluetooth interface	*	*	*

Specifications

Function	Max Range	Basic Accuracy	896	897	897FC
Voltage DC	600V	±0.5%	*	*	*
Voltage AC	600V	±1.0%	*	*	*
Current DC	10A	±1.5%	*	*	*
Fork clamp DC current	100A	±3.0%			*
Current AC	10A	±2.0%	*	*	*
Fork clamp AC current	100A	±3.0%			*
Resistance	60MΩ	±1.0%	*	*	*
Capacitance	10mF	±3.0%	*	*	*
Frequency	10MHz	±1.0%	*	*	*
Duty Cycle	99.9%	±1.2%	*	*	*
Temperature	760°C/1400°F	±2.5%	*	*	*
Diode Check & Continuity Test			*	*	*

Size(HxWxD): 148mm x 68mm x 48mm
Weight: 348g

Accessories:
Test leads, Li-ion batteries, Software, gift box with carrying case.



Bluetooth



Model 897FC

Bluetooth

Model 896

Bluetooth

Model 897



Model 946F



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



- Double Molded housing
- CAT IV 600V
- Automatic Selection

- IP67 dust and water proof
- Flashlight

946 is a high performance smart digital multimeter with automatic selection DC/ACV, providing wide application in HAVC, factories, schools and at home, etc.

All inputs are protected to EN 61010-1 CATIV 600V.

- Safety Conformance
- EN61010-1 CATIV 600V
- Double molded plastic housing
- Full ranges protection

Features	946	946F
0.47" (12mm) Fork clamp sensor for AC 100A current measurement	*	*
Automatic DCV or ACV selection, Resistance, Continuity	*	*
4000 counts LCD display with backlight & flashlight	*	*
Automatic selection ranging	*	*
True RMS measurements	*	*
IP67 dust and water proof	*	*
Non-Contact ACV detection: 50V~600V	*	*
Auto Hold & Auto Power Off	*	*

Specifications	946	946F
Function		
Voltage DC	600V	±1.0%
Voltage AC	600V	±1.0%
Current DC	10.00A	±3.5%
	100.0A	±3.0%
Current AC	10.00A	±3.0%
	100.0A	±3.0%
Resistance	400kΩ	±2.0%

Size(HxWxD): 150mm x 70mm x 48mm

Weight: 200g

Accessories:

Test leads, 1.5V x 2 batteries, carrying case and gift box.

DT-936 Smart Digital Multimeter with Automatic Selection

936 is a high performance smart digital multimeter with automatic selection DC/ACV, providing wide application in HAVC, factories, schools and at home, etc.

All inputs are protected to EN 61010-1 CATIII 600V/CATII 1000V.



Model 936

- Double Molded housing
- CAT IV 600V
- Automatic Selection



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Features
Automatic DCV or ACV selection, Capacitance, Resistance, Continuity and Diode selection
6000 counts LCD display
Auto/manual ranging
Data Hold/MAX/MIN recording mode
Auto Power Off
Wide capacitance range, diode check & continuity test

Specifications	946	946F
Function		
Voltage DC	600V	±0.5%
Voltage AC	600V	±1.0%
Resistance	40MΩ	±1.0%
Duty Cycle	99.9%	±1.2%
Frequency	10MHz	±1.0%
Capacitance	40mF	±3.5%

Size(HxWxD): 150mm x 70mm x 48mm

Weight: 255g

Accessories:

Test leads, 9V battery, carrying case and gift box.



930/931/932/931N/932N Series are compact meters with double molded plastic housing and over sized high contrast 6000 counts LCD display. They're all CAT III rated for 600V.

Safety Conformance

- EN61010-1 CATIII 600V, CATII 1000V
- Double molded plastic housing
- Full ranges protection

Features	930	931/931N	932/932N
Digital display counts	6000	6000	6000
True RMS measurements			*
Analog bargraph/segments	61-segments	61-segments	61-segments
Safety design	*	*	*
Data Hold	*	*	*
MAX/MIN recording mode	*	*	*
Auto Ranging & Auto Power Off	*	*	*
Non-Contact ACV detection		931N	932N

Specifications	930	931/931N	932/932N
Function			
Voltage DC	1000V	±0.5%	*
Voltage AC	1000V	±0.8%	*
Current DC	10A	±1.2%	*
Current AC	10A	±1.8%	*
Resistance	60MΩ	±0.8%	*
Capacitance	1000μF	±3.0%	*
Frequency	10MHz	±1.5%	*
Temperature	760°C/1400°F	±3.0%	*
Duty Cycle	9.99%	±1.2%	*
Diode Check		*	*
Continuity Test		*	*

Size(HxWxD): 150mm x 70mm x 48mm

Weight: 255g

Accessories:

Test leads, 9V battery, type K temperature probe (931/931N/932/932N) and gift box with carrying case.



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



- Double molded plastic housing
- Built-in Non-Contact AC Voltage Detector (931N/932N)

- True RMS (932/932N)
- 6000 counts LCD display



Model 932N



Model 932



Model 931

DT-940/941 Compact Digital Multimeters

Features	940	941
Digital display counts	4000	4000
Data Hold & display backlight	*	*
Auto Ranging & Auto Power Off	*	*
1000V input protection on all ranges	*	*
Type K temperature input		*

Specifications	940	941
Function		
Voltage DC	600V	±0.5%
Voltage AC	600V	±1.2%
Current DC	10A	±2.5%
Current AC	10A	±3.0%
Resistance	40MΩ	±0.8%
Capacitance	100μF	±3.0%
Frequency	10MHz	±1.5%
Temperature	760°C/1400°F	±3.0%
Duty Cycle	9.99%	±1.2%
Diode Check		*
Continuity Test		*

Size(HxWxD): 150mm x 70mm x 48mm

Weight: 255g

Accessories:

Test leads, 9V battery, Temperature Probe (941), carrying case and gift box.

940 Series are new compact multimeters with double molded plastic housing and over sized high contrast 4000 counts LCD display. They are all CAT III rated for 1000V.

Safety Conformance

- EN61010-1 CAT IV 600V, CAT III 1000V
- Double molded plastic housing
- 1000V input protection on all ranges
- 10A/600V fuse input protection on current ranges



EMC & LVD
EN: 61326
EN: 61010-1

EN: 61010-02-032, EN: 61010-02-033



0.5% basic DCV accuracy



Model 940



Model 941



Model 920



920/920L/921/922/920N/921N Series are compact multimeters with double molded plastic housing and over sized high contrast 2000/4000 counts LCD display. They're all CAT III rated for 600V and have auto-ranging function and provide 0.5% basic DCV accuracy.

• 0.5% basic DC accuracy

- Double molded plastic housing
- Built-in Non-Contact AC Voltage Detector (920N/921N)



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Safety Conformance

- EN61010-1 CATIII 600V
- Double molded plastic housing
- Full ranges protection



Model 920N



Model 922

Features	920/920N/920L	921/921N	922
Digital display counts	2000	2000	4000
Safety design	*	*	*
Data Hold	*	*	*
Auto Ranging	*	*	*
Auto Power Off			*
MAX Hold		*	
Non-Contact ACV detection	920N	921N	
Backlight LCD display	920L		

Specifications	Max Range	Basic Accuracy	920/920N/920L	921/N	922
Function					
Voltage DC	600V	±0.5%	*	*	*
Voltage AC	600V	±1.2%	*	*	*
Current DC	10A	±2.5%	*	*	*
Current AC	10A	±3.0%	*	*	*
Resistance	2MΩ	±0.8%	*		
	20MΩ	±0.8%		*	
	40MΩ	±0.8%			*
Capacitance	100μF	±3.0%			*
Frequency	10MHz	±1.5%			*
Temperature	760°C/1400°F	±3.0%		*	*
Duty Cycle	9.99%	±1.2%			*
Diode Check			*	*	*
Continuity Test			*	*	*

Size(HxWxD): 150mm x 70mm x 48mm

Weight: 255g

Accessories:

Test leads, 9V battery, type K temperature probe (921/921N/922) and gift box with carrying case.



• Built-in Non-Contact AC Voltage Detector (912N/916N)

- Double molded plastic housing
- Automatic DC/ACV, OHM/DIODE/CAP/Continuity check (919 only)



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Safety Conformance

- EN61010-1 CATIII 600V
- Double molded plastic housing
- Full ranges protection



Model 912B



Model 912N



Model 916N

Features	912B	912/912N	914	916	916N	918	919
Digital display counts	2000	2000	2000	4000	4000	6000	6000
Safety design	*	*	*	*	*	*	*
Auto Ranging & Data Hold			*	*	*	*	*
Auto Power Off				*	*	*	*
MAX Hold						MAX/MIN	MAX/MIN
Non-Contact ACV detection		912N			*		
Analog bargraph/segments						61-segments	
Display backlight		*	*	*	*	*	*
Data hold		*	*	*	*	*	*
Automatic DCV or ACV selection, Capacitance, Resistance, Continuity and diode selection (919 only)							

Specifications	Max Range	Basic Accuracy	912/912N/912B	914	916	916N	918	919
Function								
Voltage DC	600V	±0.5%	*	*	*	*	*	*
Voltage AC	600V	±1.2%	*	*	*	*	*	*
Current DC	10A	±2.5%	*	*	*	*	*	*
Current AC	10A	±3.0%		*	*	*	*	*
Resistance	2MΩ	±0.8%	*					
	20MΩ	±0.8%		*				
	40MΩ	±0.8%			*	*	*	*
Capacitance	100μF	±3.0%			*	*	1000μF	40mF
Frequency	10MHz	±1.5%			*	*	*	*
Temperature	760°C/1400°F	±3.0%	912T	*	*	*	*	*
Duty Cycle	9.99%	±1.2%		*	*	*	*	*
Diode Check			*	*	*	*	*	*
Continuity Test			*	*	*	*	*	*

Size(HxWxD): 138mm x 66mm x 38mm

Weight: 208g

Accessories:

Test leads, 9V battery and type K temperature probe (912T/914/916/916N/918), clamshell.

CATIV 600V Pocket Multimeter with NCV Tester

216/218/219 Series CATIV Pocket Multimeter has the features needed to find most electrical and HVAC problems.

- CAT IV 600V safety rating for industrial applications
- Wide 600V measurement range
- True-RMS for precise measurement of non-linear signals(219)
- Capacitance, resistance, continuity and frequency (218/219)
- Built-in thermometer (219 only)
- Large, easy-to-read display
- Backlight for work in dimly lit areas
- Max to record signal fluctuations
- Display hold function (216/219)
- Manual and automatic ranging



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Applications

- Plant/General Maintenance
- HVAC/R
- Transportation/Automotive
- Cooling and Reheating
- Serving areas
- Food service Equipment
- Cold storage



- Double Molded housing
- CAT IV 600V
- Full range protection

- Non-Contact Voltage Detection
- Flashlight

The three pocket models 216, 218, 218T and 219 are double molded plastic housing and large high contrast 2000/4000 counts LCD display. They are all CAT IV 600V safety designed plus non-contact voltage detection & flashlight. 219 can measure 100A AC/DC current with 0.39" opening jaw.

- Safety Conformance**
- EN61010-1 CATIV 600V
 - 200mA fused protection



Features

	216	218	218T	219
Digital display counts	2000	4000	4000	4000
Safety design	*	*	*	*
True RMS			*	*
Auto Ranging	*	*	*	*
Data Hold	*	*	*	*
Auto Power Off	*	*	*	*
Flashlight		*	*	*
Backlight	*	*	*	*
Non-Contact Voltage detection	*	*	*	*
Pocket size	*	*	*	*

Specifications

Function	Max Range	Basic Accuracy	216	218	218T	219
Voltage DC	600V	±0.5%	*	*	*	*
Voltage AC	600V	±1.0%	*	*	*	*
Current DC	100A	±2.5%	200mA	200mA	200mA	*
Current AC	100A	±3.0%	200mA	200mA	200mA	*
Resistance	20MΩ	±0.8%	*	*	*	*
	40MΩ	±0.8%				
Capacitance	4000uF	±3.0%		100uF	*	*
Frequency	10kHz	±(0.8%±5d)		*	*	*
NCV (VAC: 100V~600V)			*	*	*	*
Diode Check			*	*	*	*
Continuity Test			*	*	*	*

Size(HxWxD): 105mm x 60mm x 38mm
Weight: 145g

Accessories:
Test leads, two "AAA" batteries and clamshell.



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Model 218

- 0.39" (10mm) Jaw opening (219)
- 100A AC/DC Current measurement (219)



Model 219



- Non-Contact Voltage Detection
- Flashlight

- Double Molded housing
- CAT IV 600V
- Full range protection



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Model 118



The four pocket models 116, 118, 118B and 119 are double molded plastic housing and large high contrast 2000/4000 counts LCD display. They are all CAT IV 600V safety designed plus non-contact voltage detection & flashlight.

Safety Conformance

- EN61010-1 CATIII 1000V
- 200mA fused protection (118/118B)

Features

	116	118	118B	119
Digital display counts	2000	2000	4000	2000
Safety design & Pocket size	*	*	*	*
Auto Ranging & Auto Power Off	*	*	*	*
Data Hold	*	*	*	*
Flashlight	*	*	*	*
Non-Contact Voltage detection	*	*	*	*

Specifications

Function	Max Range	Basic Accuracy	116	118	118B	119
Voltage DC	600V	±0.5%	*	*	*	*
Voltage AC	600V	±1.2%	*	*	*	*
Current DC	200mA	±2.0%	*	*	*	*
Current AC	200mA	±2.5%	*	*	*	*
Resistance	2MΩ	±0.8%	*	*	*	*
	20MΩ	±0.8%	*	*	40MΩ	*
Capacitance	100uF	±(3.0%±5d)	*	*	*	*
Frequency	100kHz	±(0.8%±5d)	*	*	*	*
NCV (VAC: 100V~600V)			*	*	*	*
Diode Check			*	*	*	*
Continuity Test			*	*	*	*

Size(HxWxD): 120mm x 55mm x 40mm **Weight:** 145g
Accessories: Test leads, two "AAA" batteries and clamshell.

DT-301/302/303/304 Pocket Digital Multimeters



- 0.5% basic DC accuracy



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Model 301

301/302/303/304 Series Pocket Digital Multimeters provide multifunction.

Features

	301	302	303	304
2000 Counts digital display	*	*	*	*
Safety design CAT III 600V	*	*	*	*
Non-contact ACV detection	*	*	*	*
Data Hold	*	*	*	*
Auto Ranging	*	*	*	*
Auto Power Off	*	*	*	*
Type K temperature input	*	*	*	*

Specifications

Function	Max Range	Basic Accuracy	301	302	303	304
Voltage DC	600V	±0.5%	*	*	*	*
Voltage AC	600V	±1.8%	*	*	*	*
Current DC	200mA	±1.0%	*	*	*	*
Resistance	2MΩ	±0.8%	*	*	20MΩ	20MΩ
Temperature	760°C/1400°F	±3.0%	*	*	*	*
Diode Check			*	*	*	*
Continuity Test			*	*	*	*

Size(HxWxD): 110mm x 60mm x 38mm
Weight: 110g
Accessories:
Clamshell, Test leads and 2x1.5 "AAA" battery.



923B/928 Series are compact multimeters with double molded plastic housing and over sized high contrast 2000/4000 counts LCD display. They're all CAT III rated for 600V and have auto-ranging function and provide 0.5% basic DCV accuracy.

Safety Conformance

- EN61010-1 CATIII 600V
- Double molded plastic housing
- Full ranges protection



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



- Double molded plastic housing
- Built-in Non-Contact AC Voltage Detector (928)

Features

	923B	928
Digital display counts	2000	4000
CATIII 600V Safety design	*	*
Data Hold	*	*
Auto Ranging	*	*
Auto Power Off	*	*
MAX /MIN Hold & REL	*	*
Non-Contact ACV detection	*	*
LCD display with backlight & flashlight	*	*
True RMS measurements	*	*
Low pass filter for accurate measurement of Variable frequency drive (VFD) signals	*	*

Specifications

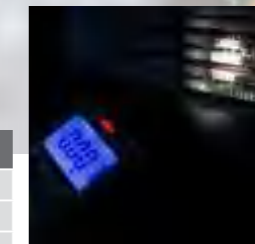
Function	Max Range	Basic Accuracy	923B	928
Voltage DC	600V	±0.5%	*	*
Voltage AC	600V	±1.2%	*	*
Current DC	10A	±2.0%	*	*
Current AC	10A	±2.5%	*	*
Resistance	2MΩ	±0.8%	*	*
	40MΩ	±2.5%	*	*
Capacitance	40mF	±3.0%	*	*
Frequency	10MHz	±1.2%	*	*
Temperature	760°C/1400°F	±2.5%	*	*
Duty Cycle	9.99%	±1.2%	*	*
Diode Check			*	*
Continuity Test			*	*

Size(HxWxD): 146mm x 73mm x 45mm
Weight: 237g

Accessories:
Test leads, 2x1.5V "AAA" battery, type K temperature probe (928) and gift box with carrying case.



Model 928



- 0.5% basic DC accuracy



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Model 923B

DMP-30/31/32/33 Pocket DMMs

33: 6000 counts, 10 functions including DCV, ACV, DCA, ACA Resistance, Capacitance, Frequency, Duty Cycle, Continuity, diode test with Data Hold, Relative and MAX/MIN functions.

30/32: 4000 counts, 10 functions including DCV, ACV, DCA, ACA Resistance, Capacitance, Frequency, Duty Cycle, Continuity, diode test with Data Hold and Relative functions.

31: 2000 counts, 5 functions with Data Hold, Max Hold and Auto Power Off.

Specifications

Function	Max Range	Basic Accuracy	30	31	32	33
Voltage DC	600V	±(1.0%±2d)	*	*	*	*
Voltage AC	600V	±(1.5%±5d)	*	*	*	*
Resistance	20MΩ	±(1.0%±2d)	*	*	*	*
	40MΩ	±(1.0%±2d)	*	*	*	*
	60MΩ	±(1.0%±2d)	*	*	*	*
Capacitance	100μF	±(3.0%±5d)	*	*	*	*
	1000μF	±(3.0%±5d)	*	*	*	*
Frequency	9.999MHz	±(0.8%±5d)	*	*	*	*
Current DC	200mA	±(1.5%±2d)	*	*	*	*
Current AC	200mA	±(2.5%±5d)	*	*	*	*
Continuity	Audible threshold < 50Ω		*	*	*	*
Diode test	Test Current 0.6mA		*	*	*	*

• 200mA resettable fuse protection (32/33)



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033

Size(HxWxD): 115mm x 60mm x 16mm
Weight: 82g
Accessories:
Test leads, Wallet style case and one CR 2032 button battery.

DT-10/12/16/16A Pocket Digital Multimeters



Model 16



Model 12

10: 4000 counts, 8 functions including DCV, ACV, DCA, ACA, Resistance, Continuity, Diode test with Data Hold, Low impedance and non-contact ACV detection.

16/16A: 6000 counts with Min/Max, Data hold and non-contact ACV detection.

- Non-Contact Voltage detection identifies live circuits (16/16A)
- Large high contrast 4000 counts LCD display with Analog bargraph (10)
- Large high contrast 6000 counts LCD display with Analog bargraph (16/16A)
- Auto Power off
- Relative, and Data Hold
- Built-in storage compartment for integrated test leads
- Over-range and low battery indication



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Specifications

Function	Max Range	Basic Accuracy	10	12	16	16A
Voltage DC	600V	±(1.3%±2d)	*	*	*	*
Voltage AC	600V	±(2.3%±5d)	*	*	*	*
Resistance	40MΩ	±(2.0%±2d)	*	*	*	*
	60MΩ	±(1.0%±2d)	*	*	*	*
Continuity	Audible threshold < 50Ω		*	*	*	*
Diode test	Test Current 0.6mA		*	*	*	*
Frequency	9.999MHz	±(0.8%±5d)	*	*	*	*
Current DC	200mA	±(1.5%±2d)	*	100.0A	*	*
	4000μA/6000μA	±(2.5%±5d)	*		*	*
Current AC	200mA	±(2.5%±5d)	*	100.0A	*	*
	4000μA/6000μA	±(2.5%±5d)	*		*	*

Size(HxWxD): 126mm x 59mm x 32mm
Weight: 124g
Accessories:
Test leads, Wallet style case and one 1.5V L44 button battery.

• 200mA resettable fuse protection (10/16)



Rubber Protection



Oversized high contrast 4000/6000 counts LCD Display



Built-in Non-Contact Voltage Detector automatically detects a live wire when the red LED is lit

DT-101/102/103/103B/105/107/108 Pocket DMMs

101/102 Series Pocket Digital Multimeters provide multifunction.

Features

	103B	101/103	102/105	107	108
2000 Counts digital display	*	*	*	*	*
Safety design CAT II 600V	*	*/	*/	*	*
Double molded housing	*	*/	*/	*	*
Non-contact ACV detection		*/	*/	*	*
Data Hold		*/	*/	*	*
Auto Ranging				*	*
Auto Power Off				*	*
Type K temperature input					*

Specifications

Function	Max Range	Basic Accuracy	101/103/103B	102/105	107	108
Voltage DC	600V	±0.5%	*	*	*	*
Voltage AC	600V	±1.8%	*	*	*	*
Current DC	200mA	±1.0%	*	*	*	*
Resistance	2MΩ	±0.8%	*	*	20MΩ	20MΩ
Temperature	760°C/1400°F	±3.0%				*
Diode Check			*	*	*	*
Continuity Test			*	*	*	*

Size(HxWxD): 101/102: 100mm x 48mm x 26mm
103/105/107/108: 108mm x 53mm x 32mm

Weight: 102g
Accessories:
Clamshell, Test leads and 12V battery.

DT-111/112/113 Pocket DMMs

111/113: 4000 counts, 10 functions including DCV, ACV, DCA, ACA Resistance, Capacitance, Frequency, Duty Cycle, Continuity and Diode test with Data Hold and Relative functions.

112: 2000 counts, 5 functions with Data Hold, Max Hold and Auto Power Off.

Specifications

Function	Max Range	Basic Accuracy	111	112	113
Voltage DC	500V	±(1.3%±2d)	*	*	*
Voltage AC	500V	±(2.3%±5d)	*	*	*
Resistance	20MΩ	±(2.0%±2d)	*	*	*
	40MΩ	±(1.0%±2d)	*	*	*
Continuity	Audible threshold < 50Ω		*	*	*
Diode test	Test Current 0.6mA		*	*	*
Capacitance	200μF	±(3.0%±5d)	*	*	*
Frequency	9.999MHz	±(0.8%±5d)	*	*	*
Current DC	400mA	±(1.5%±2d)	*	*	*
Current AC	400mA	±(2.5%±5d)	*	*	*

Size(HxWxD): 113mm x 61mm x 13mm
Weight: 90g

• Double molded housing



Model 103B



Model 103



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Model 107



Model 111



Model 112



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Accessories:
111/112/113: Test leads, Wallet style case and one CR 2032 button battery.

- 7 functions Pen-type Digital Multimeters
- Large 3-3/4 digital LCD display with Bargraph
- Full function indication
- Diode and audible continuity

Model 3280B



Specifications

Function	Max range	Basic accuracy	3216	3218	3219	3280	3280B	3290
Voltage DC	600V	±0.8%	*	*	*	*	*	*
Voltage AC	600V	±1.2%	*	*	*	*	*	*
Current DC		±1.5%		340mA	400mA	200mA		400mA
Current AC		±2.0%		340mA	400mA	200mA		400mA
Resistance		±3.0%	20MΩ	30MΩ	40MΩ	20MΩ	20MΩ	40MΩ
Non-contact voltage: 50-600V						*	*	*
Continuity: <35Ω								
Diode test: Test voltage max. 3.4V								

Size(HxWxD): 220mm x 40mm x 33mm
Weight: 215g

Accessories:
Clamshell and button battery

Model 3218



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



DT-3260 Smart Pen-type Digital Multimeter

3260 is ideal for electrical trouble shooting, which can check components (resistance, capacitance, diode and continuity) and circuit fault.

All inputs are protected to EN 610101-1 CATIII 600V.

Safety Conformance

- EN61010-1 CAT III 600V
- Full ranges protection

Features

Automatic DCV or ACV selection, Capacitance, Resistance, Continuity and diode selection
6000 counts LCD display
Auto/manual ranging
Data Hold/MAX/MIN recording mode
Auto Power Off
Wide capacitance range
Diode Check & Continuity Test

Specifications

Function	Max. Range	Basic Accuracy
Voltage DC	600V	±0.5%
Voltage AC	600V	±1.0%
Current DC	400mA	±1.0%
Current AC	400mA	±1.5%
Resistance	40MΩ	±1.0%
Capacitance	40mF	±3.5%

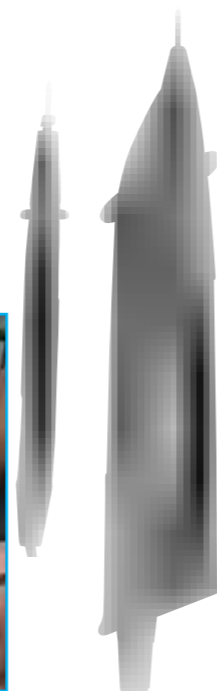
Size(HxWxD): 230mm x 35mm x 20mm

Weight: 200g

Accessories:
Clamshell and button battery



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Model 3260

DT-203B
Battery Tester

3 1/2 LCD display, pocket size and easy to use, wide measuring range for 9 kinds of battery such as button cell, AA, AAA, 9V etc, distinguishing the battery in good quality or not by setting different load resistance, the unit has no battery but powered by tested battery

Specifications

Battery Type	Load Current	Minimum Voltage for Good Indication
Button cell 1.5V	1mA	1.125V±/-0.09V
AAA-N-1.5V	50mA	1.125V±/-0.09V
AA-C-D-1.5V	150mA	1.125V±/-0.09V
Lithium 3V	1mA	2.25V±/-0.18V
6V	10mA	4.50V±/-0.36V
9V	10mA	6.75V±/-0.54V
12V	10mA	9.00V±/-0.72V
15V	10mA	11.25V±/-0.90V
22.5V	10mA	16.875V±/-1.35V



Size(HxWxD): 60mm x 116mm x 29mm

Weight: 115g

Accessories: Clamshell



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Model 203B

SMD-100 Smart Electronic Components Tester

SMD-100 has a changeable head for automatic scan check DC/AC Voltage, components (resistance, capacitance, diode and continuity) and circuit fault.

All inputs are protected according to EN 610101-1 CATIII 600V.

Features

Automatic DCV or ACV selection, Capacitance, Resistance, Continuity and diode selection
6000 counts LCD display
Auto scan DC/AC Voltage, resistance, capacitance, diode and continuity
Data Hold/MAX/MIN recording mode
Auto Power Off
Wide capacitance range
Diode Check & Continuity Test

Specifications

Function	Range	Basic Accuracy
Voltage DC	600mV/6V/60V/600V	±0.8%
Voltage AC	600mV/6V/60V/600V	±1.0%
Resistance (Ω)	600/60k/60k/600k/6M/60M	±1.0%
Capacitance (F)	6n/60n/600n/6μ/60μ/600μ/6m/60m	±3.5%
Diode check	Open voltage 2.8Vdc, test current 1mA.	
Continuity test	Threshold 35 Ω	

Size(HxWxD): 184mm x 37mm x 23mm

Weight: 76g

Accessories:

Two LR44(1.5V) button batteries
and clamshell



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033





Model R-100

CE
EMC
EN: 61326



Features

- Wide range Decade boxes for product design or calibration checks
- Heavy duty durable construction
- Separate grounding terminal
- Three binding posts permit isolated substitutions
- 1% Resistance substitution from 1 to 11,111,110%
- Seven Decade Ranges of Resistance
- Values can be changed in 1 1/2 increments
- 0.3W resistors
- 0.3 1/2 internal zero resistance

Size(HxWxD): 140mm x 130mm x 48mm
Weight: 190g
Accessories: Clamshell

DT-155 Intelligent Semiconductor Analyzer



Model 155

CE
EMC
EN: 61326

Size(HxWxD): 102mm x 56mm x 24mm
Weight: 91g
Accessories: Two "AAA" batteries and clamshell

The intelligent semiconductor Component analyzer offers great features together with refreshing simplicity.

Features

- Automatic component type identification
- Automatic pinout identification, just connect any way round.
- Special feature identification such as diode protection and resistor shunts.
- Gain measurement for bipolar transistors.
- Leakage current measurement for bipolar transistors.
- Silicon and Germanium detection for bipolar transistors.
- Gate threshold measurement for Enhancement Mode MOSFETs.
- Semiconductor forward voltage measurement for diodes, LEDs and transistor Base-Emitter junctions.
- Automatic and manual power-off.

DT-925 Voltage & Current Calibrator / DMM with Voltage & Current Calibrator



Model 925

CE
EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033

925 Voltage/Current calibrator is a portable instrument for calibrating process devices and measuring process signals. It brings you into the field of precision measurement.



- Adjustable 0-24mA current source.
- Adjustable -199.9mV to +199.9mV DCA source.
- Current calibrator drives loads up to 500 ohms.
- The instrument measures a two-wire current loop.

Specifications (standard source)

Function	Range	Display Resolution	Accuracy
Current source	0-19.99mA	0.01mA	±(0.25%FS+1d)
	0-24mA	0.1mA	±(0.5%FS+1d)
DC mV source	-199.9mV to +199.9mV	0.1mV	±(0.25%FS+1d)

Specifications (measurement)

Range	Resolution	Accuracy
0-19.99mA	0.01mA	±(0.25%FS+1d)
0-24mA	0.1mA	±(0.5%FS+1d)

Size(HxWxD): 150mm x 70mm x 48mm
Weight: 236g
Accessories: Test leads, 9V battery and gift box with carrying case.



Features

	9930	9931
Digital display counts	11,000	11,000
Data Hold & Auto Ranging	*	*
MAX/MIN recording mode	*	*
Auto Power Off	*	*
DMM + LCR		*

Specifications (Multimeter)

Function	Max Range	Basic Accuracy	9930	9931
Voltage DC	1000V	±0.5%		*
Voltage AC	1000V	±0.8%		*
Current DC	1.1A	±1.2%		*
Current AC	1.1A	±1.8%		*
Frequency	10MHz	±1.5%		*
Duty Cycle	9.99%	±1.2%		*
Diode Check			*	*
Continuity Test			*	*

Specifications (LCR)

Function	Max. Range	Max. Resolution	Basic Accuracy
Resistance	110.00MΩ	0.01Ω	±1.2% of rdg ±5 digits
Capacitance	110.00uF	1pF	±3.0% of rdg ±30 digits
Inductance	20H	1uH	±(2%+5)

Size(HxWxD): 182mm x 82mm x 55mm
Weight: 360g
Accessories: Test leads and 9V battery, gift box with carrying case.

DT-9935 Professional LCR Meter

9935 LCR Meter features with an innovative automatic selection technology, automatically measuring L,C and R with Q, D and θ by just turn on the meter. The testing frequency is up to 10kHz and it can output up to 100kHz test frequency. It provides high accuracy with four or five terminal Kelvin measurements.

- Overload Indication
- Lower Battery Indication
- Auto Power Off

Specifications

Inductance	
Ranges	20uH-2000H
Resolution	0.001uH
Basic Accuracy	±(0.2+5d)
Capacitance	
Ranges	20pF-20mF
Resolution	0.001pF
Basic Accuracy	±(0.2+3d)
Resistance	
Ranges	20Ω-2000MΩ
Resolution	0.001Ω
Basic Accuracy	±(0.2+2d)
DC Resistance	
Ranges	20Ω-2000MΩ
Resolution	0.001Ω
Basic Accuracy	±(0.2+2d)
Q (quality)	
Ranges	0.000-999
Resolution	0.001
D (dissipation)	
Ranges	0.000-999
Resolution	0.001
Theta	
Ranges	±90 degree
Resolution	1 degree



CE
EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033

Size(HxWxD): 220mm x 96mm x 60mm
Weight: 360g
Accessories: Test leads and 6 x 1.5V "AA" batteries, gift box with carrying case.

9930 is new 11,000 Counts LCR Meter
9931 is new 11,000 Counts digital multimeter with LCR function

- Safety Conformance**
- EN61010-1 CAT IV 600V, CAT III 1000V (9931)
 - Full ranges protection

IP67 dust and water proof

Double molded plastic housing

CE
EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Model 9931



Model 9930



Model 9935



Model 991



Model 204

991/200 Series Mini Digital Multimeters provide multifunction and lower price. Rugged pocket design is easy and safe to use with protective holster.

Safety Conformance

- EN61010-1 CATII 600V
- Includes protective holster
- 10A fused protection

Specifications

Function	Max Range	Basic Accuracy	991/200	992/201	993/202	202T	204	204T
Voltage DC	600V	±(0.8%±2d)	*	*	*	*	*	*
Voltage AC	600V	±(1.2%±10d)	*	*	*	*	*	*
Current DC	10A	±(1.2%±2d)	*	*	*	*	*	*
Current AC	10A	±(1.8%±7d)	*	*/-	*	*	*	*
Resistance	2000Ω	±(0.8%±2d)	*	*	20MΩ			20MΩ
	40MΩ	±(0.8%±2d)	*	*				
Temperature	760°C/1400°F	±(3.0%±3d)			*	*	*	*
Duty Cycle	0.1%~99.9%	±(1.2%±2d)		*	*	*	*	*
Frequency	9.999MHz	±(1.5%±4d)			*	*	*	*
Capacitance	200uF	±(2.5%±5d)			*	*	*	*
	40mF	±(2.5%±5d)					*	*
Diode Check	Open voltage 2.8Vdc; Test current 1mA		*	*	*	*	*	*
Continuity	Threshold 30Ω		*	*	*	*	*	*
Bat. Test	9V(6mA); 1.5V(100mA)		*					

991 Series:

Size(HxWxD): 121.5mm x 60.6mm x 40mm
Weight: 150g

Accessories:

Test leads, Holster and 9V battery, clamshell.

200 Series:

Size(HxWxD): 146mm x 66.2mm x 41.5mm
Weight: 200g

Accessories:

Test leads, K-type temperature probe (201, 202, 202T, 204, 204T) and 9V battery, gift box.



Model 9932FC



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033

Specifications

Function	Max Range	Min Resolution	Basic Accuracy
Voltage DC	1000V	0.1mV	±(1.2%±2d)
Voltage AC	750V	0.1mV	±(0.8%±3d)
Current DC	20A	0.1uA	±(1.5%±3d)
Current AC	20A	0.1uA	±(1.8%±5d)
Resistance	40MΩ	0.1Ω	±(1.0%±2d)
Capacitance	100uF	10pF	±(3.5%±5d)
Frequency	9.999MHz	0.001Hz	±(1.2%±3d)
Duty Cycle	99.9%	0.1%	±(1.2%±2d)
Temperature	1000°C/1832°F	0.1°C/°F	±(3%±2°C/°F)
Diode Check	1.5VDC test 0.3mA current		
Continuity Check	Threshold 30Ω, continuity beeper 2.7kHz		

Size(HxWxD): 197mm x 88.4mm x 41.2mm
Weight: 635g

Accessories :

Rubber holster, Test leads, K-type temperature probe, 9V battery, RS-232 PC cable and Software diskette, Gift box with carrying case.



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Double molded

Large LCD display

2005B/2008/2009/2006 have double molded plastic housing and oversized high contrast 2000/4000/6000 counts LCD display with backlight.

Safety Conformance

- EN61010-1 CAT IV 600V, CAT III 1000V
- Full ranges protection

EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Specifications

Function	Max Range	Basic Accuracy	2005B	2008	2009	2006
Voltage DC	1000V	±(0.5%±2d)	*	*	*	*
Voltage AC	700V	±(1.0%±3d)	*	*	*	*
Current DC	20A	±(1.5%±3d)	*	*	*	*
Current AC	20A	±(2.0%±3d)	*	*	*	*
Resistance	20MΩ	±(1.2%±2d)	*	*	40MΩ	60MΩ
Capacitance	200uF	±(4.0%±3d)	*	*	100uF	6000uF
Frequency	20kHz	±(1.5%±5d)		*	9.999MHz	9.999MHz
Temperature	760°C/1400°F	±(3.0%±3d)		*	*	*
Diode Check	Open Voltage 2.8V dc		*	*	*	*
Continuity Test	Threshold 30Ω		*	*	*	*

Size(HxWxD): 195mm x 92mm x 38mm

Weight: 380g

Accessories :

Test Leads, Type K temperature probe (2008, 2009 & 2006), 9V battery, gift box and carrying case.

Features

	9905	9908	9909
Digital display counts	2000	2000	4000
Safety design	*	*	*
Data Hold			*
Backlit LCD Display	*	*	
Logic test			*

Specifications

Function	Max. Range	Basic Accuracy	9905	9908	9909
Voltage DC	1000 V	±0.5%	*	*	*
Voltage AC	700V	±1.2%	*	*	*
Current DC	20A	±2.5%	*	*	*
Current AC	20A	±3.0%	*	*	*
Resistance	20MΩ	±0.8%	*	*	400MΩ
Temperature	760°C/1400°F	±3.0%		*	
Frequency	2000Hz	±1.5%		*	4000kHz
Capacitance	200uF	±3.0%	*	*	40uF
Diode Check			*	*	*
Continuity test			*	*	*
Logic test					*

Size(HxWxD): 182mm x 82mm x 55mm

Weight: 360g

Accessories:

Test leads, 9V battery, Type K temperature probe (9908) and gift box with carrying case.



Model 2005B



Model 2008



Model 9905



Model 9908



6 in 1 Digital Multimeter with Environment Measurement

- 61 is 6 in 1 multifunction multimeter, including DMM, sound level meter, light meter, humidity meter, temperature meter and Non-contact AC voltage detector
- Safety design meets CAT III 1000V and CAT IV 600V
- Infrared Probe for Non-contact Temperature measurement (Optional IR-82)
- Double Molded Housing
- 4000 Counts digital LCD display with backlit
- Auto ranging
- Data Hold and Relative function
- Auto Power Off

Applications

- Plant/General Maintenance
- HVAC/R
- Transportation/Automotive
- Cooling and Reheating
- Serving areas
- Food service Equipment
- Cold storage



DT-21 5 in 1 Digital Multimeter with Environment Measurement

21 digital Multifunction Environment Meter have been designed to combine the functions of Sound Level Meter, Light Meter, Humidity Meter, Temperature Meter and digital multimeter. They are ideal Multifunction Environment Instruments with scores of practical applications for professional and home use.



Model 21



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Applications

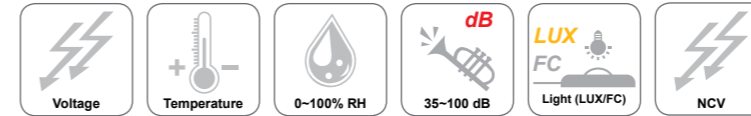
- Plant/General Maintenance
- HVAC/R
- Transportation/Automotive
- Cooling and Reheating
- Serving areas
- Food service Equipment
- Cold storage

Specifications

Function	Max Range	Resolution	Basic Accuracy
Light	20,000Lux	0.1Lux	±0.5%±10d
Sound	100dB	0.1dB	±3.5dB
Humidity	95%RH	0.1%RH	±5%RH
Temperature	1300°C	0.1°C	±3%±1d
Voltage DC	600V	0.1mV	±0.5%±2d
Voltage AC	600V	100mV	±1.2%±10d
Current DC	10A	0.1uA	±1.0%±2d
Resistance	2MΩ	0.1Ω	±0.8%±2d

Size(HxWxD): 121mm x 60.6mm x 40mm
Weight: 280g

Accessories :
Rubber holster, 9V battery, Test leads and K-Type temperature probe.



Model 51

The model 61 is 6 in 1 Digital Multimeter with Environment Measurement. It has been designed to combine the functions of Sound Level Meter, Light Meter, Humidity Meter, Temperature Meter & Non-contact AC voltage detector.

The model 51 is without temperature (°F) range. They are ideal Multifunction Environment & DMM Instruments with scores of practical applications for professional and home use.

The Sound Level function can be used to measure noise in factories, schools, offices and home, etc, checking acoustics of studios, auditoriums and hi-fi installations.

The Light function is used to measure illuminance in the field. It is fully cosine corrected for the angular incidence of light. The sensitive component of light used in the meter is a very stable, long life silicon ciod. The Humidity/Temperature uses a humidity/semiconductor sensor and K type thermocouple.

The DMM function include ACV, DCV, ACA, DCA Resistance, Capacitance, Frequency, Duty Cycle, Diode, Continuity test and Non-contact AC voltage detector.



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Model 61



Specifications

Function	Max Range	Max. Resolution	Basic Accuracy
Light	20,000 Lux	0.1 Lux	±5%±10d
	40,000 Lux		
Sound	100dB	0.1dB	±3.5dB
Humidity	99%RH	0.1%RH	±3.5%RH
Temperature	-20 ~ 750 °C	0.1° up to 400°, 1° over 400°	±3%±3°C
	-4 ~ 1400°F	0.1° up to 400°, 1° over 400°	±3%±5°F
NCV	50-1000V		
Voltage DC	600V	0.1mV	±0.5%±2d
Voltage AC	600V	0.1mV	±1.2%±10d
Current DC	10A	0.1uA	±1.0%±2d
Current AC	10A	0.1uA	±1.0%±2d
Resistance	40MΩ	0.1Ω	±0.8%±2d
Capacitance	100uF	0.01nF	±3.5%
Frequency	10MHz	0.001Hz	±1.5%
Duty Cycle	99.9%	0.1%	±1.2%
Diode Check	Open voltage 2.8VDC; Test current 1mA		
Continuity Test	Threshold 30Ω		

Size(HxWxD): 170mm x 79mm x 50mm
Weight: 342g

Accessories:
9V battery, Test leads and
K-Type temperature probe.
Infrared Temperature Probe (Option IR-82)

Professional True RMS Industrial Multimeter / Oscilloscope with Android Platform

Features

- 10MHz oscilloscope
- 50,000 count, 0.025% accuracy
- Fast response, 20 times/sec
- 100kHz AC bandwidth
- Fully PC Calibration
- Bluetooth interface
- Android Platform for multifunctions
- IP67 dust and waterproof
- CATIII 1000V/CATIV 600V



Worldwide Patent

9998 Professional True RMS Industrial Digital Multimeter with oscilloscope functions and TFT color LCD display, providing fast A/D converting sampling time, high accuracy, built-in datalogging and Trend Capture features. Android Platform permits smart multifunctions such as updating software on line, PC calibration etc.

Meterbox iMM software & cloud server support to transfer the measured data to customer's smartphone for edit and storage.

Safety Conformance

- EN61010-1 CAT IV 600V, CAT III 1000V
- 1000V input protection on all ranges
- 10A/1000V & 0.8A/1000V fuses protection on current ranges

- IP67 dust and water proof
- True RMS



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033

- TFT color LCD display
- 50000 counts
- PC Calibration
- Android Platform

Features

- Large 50,000 count 320 x 240 TFT color LCD display
- 20MHz/50MS/s bandwidth/Real time sample rate
- Logging function with Trend Capture for easy review of logged data
- Bluetooth PC interface for easy data transfer & accuracy calibration
- AC, AC+DC true-RMS measurements & 100kHz ACV, ACA bandwidth
- AC, AC+DC true-RMS measurements
- 0.025% DCV accuracy with Fully PC Calibration
- Saves measurements, records events and trends
- 20 Times/sec. A/D convert fast sampling time
- Peak capture (records transients as fast as 250µs)
- Min/Max/Average with Time stamp (records signal fluctuations)
- Moto winding and low ohm (50Ω) measurement range
- Low pass filter
- Bluetooth interface to smartphone / PC.
- Android Platform permits smart multifunctions such as updating software on line, PC calibration etc



Model 9998

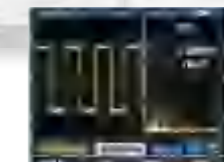
Specifications

Oscilloscope Functions			
Display Size	3.5" color LCD; 320 x 240 pixels		
Bandwidth	20MHz		
Real time sample rate	50MS/s		
Risetime	10ns		
Channels	1		
Vertical Sensitivity	50mV/div to 200V/div		
Vertical Resolution	8 bits		
Trigger Mode	Free Run, falling edge, rising edge		
Trigger Source	Internal		
Trigger Coupling	AC/DC		
Input impedance	1MΩ/15pF		
Max Input Volatage	1000Vp-p		
Cursor Measurement	Voltage and time/ Frequency		
True RMS Multimeter Functions			
Function	Maximum	Max. resolution	Accuracy
Voltage DC	1000V	1µV	±(0.025% + 5)
Voltage AC	1000V	1µV	±(0.4% + 40)
Current DC	10A	0.01µA	±(0.15% + 2)
Current AC	10A	0.01µA	±(0.6% + 5)
Temperature	-200°C to 1350°C	0.1°C	±(1.0% + 2.5°C)
Resistance	50MΩ	0.01Ω	±(0.05% + 2)
Capacitance	10mF	0.001nF	±(1.0% + 5)
Frequency	10MHz	0.01Hz	±(0.005% + 1)
Diode and Continuity	Yes		
PC Interface	Bluetooth		
Power Supply	6 hours Li-ion rechargeable battery; AC Adaptor/charger		

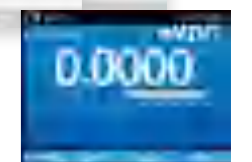
Size(HxWxD): 220mm x 96mm x 60mm Weight: 631g

Accessories:

Test leads, Li-ion batteries, Type K temperature probe, Bluetooth and Software, gift box with carrying case.



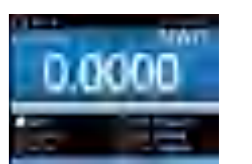
10MHz Oscilloscope Function



Fast response time



Trend Capture function



Multifunction Selectable

Professional AC, AC/DC True RMS Clamp Meters with 80x80 InfraRed Thermal Imager



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033

Model DT-320BS
Flexible clamp (optional)



9580/9581 Professional AC, AC/DC True RMS Clamp Meters built-in Thermal Imager design, providing fast A/D converting sampling time, high accuracy, with datalogging and Trend Capture features. Android Platform permits smart multifunctions such as updating software on line, PC calibration etc.

Thermview+ software & cloud server support to transfer the measured data to the customer's smartphone for edit and storage.

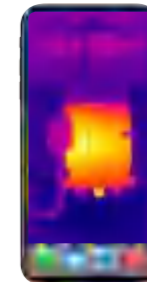
- Double molded plastic housing
- True RMS measurement for ACV & ACA
- Flexible current probe expands the measurement range to 3000 ACA



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033

- TFT color LCD display
- 6000 counts

- Fast response time
- True RMS



Model 9581

Features

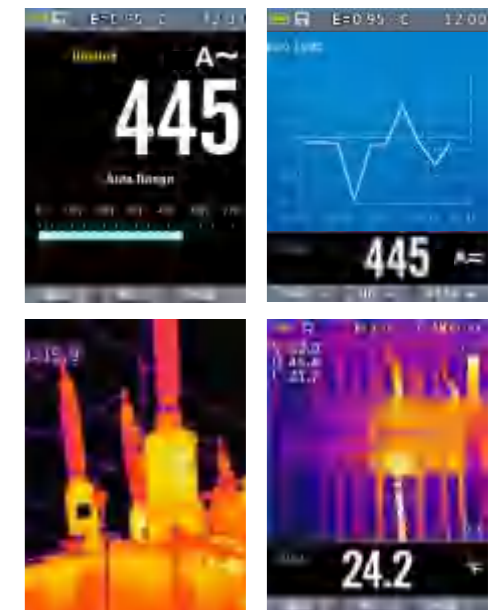
- Built-in Thermal Imager design quickly identifies hot spots without contact
- 240 x 320 2.4" TFT color LCD display
- 1.9" (48mm) Jaw opening
- Large LCD display 6000 counts
- Logging function with Trend Capture for easy review of logged data
- Low pass filter for accurate measurement of variable frequency drive (VFD) signals
- Bluetooth PC interface for easy data transfer & accuracy calibration
- AC, AC+DC True RMS measurements & 1kHz ACV, ACA bandwidth
- Flexible Current test (320B optional)
- A/D convert fast sampling time: 10 Times/sec.
- Peak capture (records transients as fast as 500µs) & Inrush Current
- Min/Max/Average with Time stamp (records signal fluctuations)
- 80x80 Infrared resolution
- Flashlight
- Easy to view and analyze images quickly

Specifications

	9580	9581			
Thermal Imager					
IR resolution	80x80 pixels	*			
Field of View (FOV)	21° x 21°	*			
Thermal sensitivity/NETD	< 0.08°C / 80mK	*			
Image frequency	50Hz	*			
Object temperature range	-20 to 260°C (-4 to 500°F)	*			
Spectral range	8-14 µm	*			
Color palettes	IRON/Rainbow/Grey/Grey Inverted	*			
Accuracy	±2°C (±3.6°F) or ±2% of reading	*			
True RMS Multimeter Functions					
Function	Maximum	Max. resolution	Best Accuracy	*	*
Voltage DC	1000V	100mV	±(0.5% + 3d)	*	*
Voltage AC	1000V	100mV	±(1.2% + 3d)	*	*
Current DC	1000A	0.01A	±(2% + 2d)	*	*
Current AC	1000A	0.01A	±(2.5% + 5d)	*	*
Flexible A	3000A	0.01A	±(3.0%+5d)	*	*
Resistance	60MΩ	0.1Ω	±(0.8% + 2d)	*	*
Capacitance	6000uF	0.01nF	±(2.5% + 5d)	*	*
Frequency	10MHz	0.01Hz	±(0.5% + 1d)	*	*
Inrush Current	1000A	0.01A	±(2.5%+2d)	*	*
Temperature	1000°C/ 1832°F		±(1.0%+3d)	*	*
Diode and Continuity	Yes			*	*
PC Interface	Bluetooth			*	*
Power Supply	4 hours Li-ion rechargeable battery; AC Charger			*	*

Size(HxWxD): 95mm x 270mm x 42mm Weight: 550g

Accessories: Test leads, gift box with carrying case, Temperature probe Li-ion rechargeable battery, AC Charger



AC, AC/DC True RMS Clamp Meters Quick Reference Guide

EN 61010-1
CAT IV
600V

EN 61010-1
CAT III
1000V

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EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033

Model 9382
1000A AC, AC/DC True RMS
Clamp Meters series

Model 9282
600A AC, AC/DC True RMS
Clamp Meters series

Model 9181
400A AC, AC/DC True RMS
Clamp Meters series



The 9380/9381/9382/9383 series clamp meters providing fast A/D converting sampling time, high accuracy, built-in datalogging offer all needed features for measurement. It is with modern bodies and jaws design for perfect handheld and tight place testing. A large backlit display (on most models) is easy to see and a handy data hold keeps measurements on the display.

- Double molded plastic housing
- True RMS measurement for ACV & ACA
- Flexible current probe expands the measurement range to 3000 ACA (9383)



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Features

	9380	9380A	9381	9381A	9382	9383
Current measurement	AC	AC	AC/DC	AC/DC	AC/DC	AC/DC
Display counts	4000	6000	4000	6000	6000	50000
1.8" TFT color LCD display counts					*	*
AC True RMS	*	*	*	*	*	*
10kHz bandwidth (voltage/current)					*	*
Data Hold & Peak Hold		*		*	*	*
Max /Min Hold	*		*	*	*	*
REL (Zero) Function			*	*	*	*
Flashlight and Backlight	*	*	*	*	Flashlight	Flashlight
Auto Power Off	*	*	*	*	*	*
Low battery indication	*	*	*	*	*	*
100ms Inrush current		*		*	*	*
Low input impedance prevents false readings due to "ghost voltage" (LoZ)		*		*	*	*
Low pass filter for accurate measurement of variable frequency drive (VFD) signals		*		*	*	*
1.9" (48mm) Jaw opening	*	*	*	*	*	*
Bluetooth interface					*	*
3000A ACA flexible clamp					*	*
Trend capture function					*	*
Fast response time					10 times/sec.	20 times/sec.
100 Graph Data review					*	*
NCV Function	*	*	*	*	*	*

Specifications

Function	Max Range	Basic Accuracy	9380	9380A	9381	9381A	9382	9383
Voltage DC	1000V	±(0.5%+2d)	*	*	*	*	*	±(0.09%+2d)
Voltage AC	1000V	±(1.0%+5d)	*	*	*	*	*	±(0.5%+5d)
Current DC	1000A	±(2.0%+5d)			*	*	*	±(2.0%+5d)
Current AC	1000A	±(2.5%+8d)	*	*	*	*	*	±(2.5%+8d)
ACA flexible	3000A	±(2.5%+8d)					*	±(2.5%+8d)
Resistance	60MΩ	±(3.0%+5d)	40MΩ	*	40MΩ	*	*	±(2.0%+5d)
Temperature	1000°C/ 1832°F	±(1.0%+3d)	*	*	*	*	*	±(1.0%+3d)
Capacitance	100mF	±(2.5%+5d)	*	*	*	*	*	±(2.5%+5d)
Frequency	10kHz	±(0.5%+2d)	*	*	*	*	*	±(0.5%+2d)
Inrush Current	1000A	±(2.5%+2d)		*	*	*	*	±(2.5%+2d)
Continuity check	Buzzer sounds at 50Ω							
Diode test	Test current 0.3mA							

Size(HxWxD): 250mm x 78mm x 40mm

Weight: 350g

Accessories:

Test leads, gift box with carrying case, Temperature probe and 1.5V AAA x 3 batteries(9380/9381/9380A/9381A)
Li-ion battery, Software(9382/9383) Flexible clamp (9383)

- Fast response time
- True RMS
- TFT color LCD display (9382/9383)
- PC Calibration

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Model 9380

Model 9381

Model 9382

Flexible clamp (optional)
Model DT-320BS



The 9280/9281/9282 clamp meters providing fast A/D converting sampling time, high accuracy, built-in datalogging offer all needed features for measurement. It is with modern bodies and jaws design for perfect handhold and tight place testing. A clear backlit display (on most models) is easy to see and a handy data hold keeps measurements on the display.

- Double molded plastic housing
- True RMS measurement for ACV & ACA



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Features

	9280	9281	9282
Current measurement	AC	AC/DC	AC/DC
Display counts	6000	6000	6000
OLED display			*
Backlight & Flashlight	*	*	*
AC True RMS	*	*	*
Low pass filter (VFD)	*	*	*
Data Hold	*	*	*
Peak Hold	*	*	*
REL (Zero) Function	*	*	*
Auto Power Off	*	*	*
Low battery indication	*	*	*
100ms Inrush current	*	*	*
1.3" (34mm) Jaw opening	*	*	*
Bluetooth interface			*
Fast response time	*	*	*
LoZ Voltage measurement			*
NCV Function	*	*	*

Specifications

Function	Max Range	Basic Accuracy	9280	9281	9282
Voltage DC	1000V	±(0.5%+2d)	*	*	*
Voltage AC	1000V	±(1.0%+5d)	*	*	*
Current DC	600.0A	±(2.0%+5d)	*	*	*
Current AC	600.0A	±(2.5%+8d)	*	*	*
Resistance	60MΩ	±(3.0%+5d)	*	*	*
Temperature	1000°C/ 1832°F	±(1.0%+3d)	*	*	*
Capacitance	100mF	±(2.5%+5d)	*	*	*
Frequency	100kHz	±(0.5%+2d)	*	*	*
Inrush Current	600.0A	±(1.5%+2d)	*	*	*
Continuity check	Buzzer sounds at 50Ω				
Diode test	Test Current <0.5mA MAX 3V				

Size(HxWxD): 239mm x 72mm x 40mm **Accessories:** Test leads, gift box with carrying case, temperature probe and 1.5V AAA x 3 batteries
Weight: 318g



Model 9282



Model 9281



Model 9280



The 9180/9180B/9180S/9181/9182 clamp meters providing fast A/D converting sampling time, high accuracy, built-in datalogging offer all needed features for measurement. It is with modern bodies and jaws design for perfect handhold and tight place testing. A large backlit display (on the most of models) is easy to see and a handy data hold keeps measurements on the display.

- Double molded plastic housing
- True RMS measurement for ACV & ACA



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033

Features

	9180B	9180/9180S	9181	9182
Current measurement	AC	AC	AC/DC	AC/DC
Display counts	4000	4000	4000	4000
AC True RMS	*	*	*	*
Low pass filter (VFD)	*	*	*	*
Data Hold	*	*	*	*
Peak Hold /MAX/ MIN	MAX/ MIN	*	*	*
REL (Zero) Function	*	*	*	*
Flashlight and Backlight	*	*	*	*
Auto Power Off	*	*	*	*
Low battery indication	*	*	*	*
100ms Inrush current			*	*
1.18" (30mm) Jaw opening	*	*	*	*
LoZ Voltage			*	*
NCV Function	*	*	*	*

Specifications

Function	Max Range	Basic Accuracy	9180B	9180/9180S	9181	9182
Voltage DC	1000V	±(0.5%+2d)	*	*	*	*
Voltage AC	1000V	±(1.0%+5d)	*	*	*	*
Voltage VFD	600V		*	*	*	*
LoZ Voltage	<600V				*	*
Current DC	400.0A	±(2.0%+5d)			*	*
Current AC	400.0A	±(2.5%+8d)	*	*	*	*
Resistance	40MΩ	±(3.0%+5d)	*	*	*	*
Temperature	1000°C/ 1832°F	±(1.0%+3d)	*	*	*	*
Capacitance	100mF	±(2.5%+5d)	*	*	*	*
Frequency	ACV 100kHz	±(0.5%+2d)	*	*	*	*
Inrush Current	400.0A	±(1.5%+2d)			*	*
Continuity check	Buzzer sounds at 50Ω					
Diode test	Test Current <0.5mA MAX 3V					

Size(HxWxD): 225mm x 72mm x 40mm
Weight: 294g

Accessories: Test leads, gift box with carrying case, Temperature probe and 1.5V AAA x 3 batteries



Model 9180B



Model 9180S
(Single molded plastic housing)



Model 9180



Model 9181

AC True RMS Fork Clamp Meter With white LED Backlight



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033
EN 61243-3:2014 (379)



390/391 clamp meter offers all needed features for measurement. It has small bodies and jaws design for perfectly handhold and tight place testing. A large backlit display is easy to see and a handy Display Hold keeps measurements on the display. Measuring starting current for motors, lighting, etc.

Features

	390	391
200A AC Current measurement	*	*
Digital display counts	6000	6000
Display type(Negativity display)	*	*
Compact size	*	*
Data Hold & MAX/MIN Function	*	*
Peak Value & Inrush Current	*	*
Backlight for button, knob Switch & Flashlight	*	*
Low battery indication	*	*
17mm Jaw opening	*	*
Auto sense Voltage	*	*
NCV	*	*
Low Z & True RMS	*	*
Non contact voltage test	-	*

Specifications

Function	Max Range	Basic Accuracy	390	391
Voltage DC	1000V	±(0.8%+3d)	*	*
Voltage AC	1000V	±(1.0%+3d)	*	*
Current AC	200A	±(3.5%+5d)	*	*
Resistance	60Meg	±(3.0%+5d)	*	*
Capacitance	6000uF	±(2.5%+5d)	*	*
Non contact voltage test	600V	±(2.5%+5d)		*
LoZ (< 600V)			~3KΩ	
Continuity check		Buzzer sounds at 50Ω		
Diode test		Test current 0.35mA 3V		



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033
EN 61243-3:2014 (379)



Model 390

DT-379 Voltage Tester

Features

LCD/LED Indication Range: 6 V to 1000 V dc and ac/ 12 V to 1000 V dc and ac
Independent ELV indicator LED, indicates if >50 V ac/120 V dc is present even in the event of no battery power or main circuit failure
Data HOLD
Backlight for button & Flashlight
Beeper for Phase/ACV
19 mm Probe Tip distance when docked
Auto Voltage detection/ Full range Polaritydetection
Operation time Duration Time =30 seconds, Recovery time Recovery Time =240 seconds



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033
EN 61243-3:2014 (379)



Specifications

Function	Max Range	Basic Accuracy
Current AC	200A	±(3.5%+5d)
LEDs Voltage range	12 V to 1000 V ac/dc	Frequency range: 0 / 40 Hz to 400 Hz, Auto power on : ≥12 V ac/dc
LCD Voltage range	6V to 1000V ac/dc	±(3 % rdg + 5 digits), Frequency range:0 / 40 Hz to 400 Hz, Auto power on: ≥6 V ac/dc
Internal basic load impedance/ Peak current	Maximum 3.5 mA at 1000 V 350 kΩ / Is <3.5 mA (no RCD tripping)	
Continuity Test	0 to 400 kΩ	nominal resistance +50 % , Test current ≤5 μA
Resistance Measurement	0 Ω to 1999 Ω	±(5 % rdg +10 digits) @ 20 °C, Temperature coefficient: ±5 digits / 10 K, Test current : ≤30 μA

Size(HxWxD): 230mm x 44mm x 66mm Weight: 259g

Accessories: Test leads, gift box with carrying case, Two "1.5V AA" batteries.



Model 379

Professional Heavy Duty AC, AC/DC True RMS Autoranging Clamp Meters with Dual Type K Inputs

Meterbox-iCM Software

for DT-3382/3383 digital clamp meters



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Amazing features and built-in apps.

The Meterbox-iCM software can support our Clamp Meter products transferring the measured data to the customer's smartphone. Customers can easily use the software to check, transfer or edit the data with table and chart. They also has powerful cloud functions, such as computing and storage service.

The 3380 series clamp meters offer all needed features for measurement, design for perfect handhold and tight place testing. A large backlit display (on most models) is easy to see and a handy data hold keeps measurements on the display. Dual type K inputs for temperature measuring support more application.



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033

- Double molded plastic housing
- True RMS measurement for ACV & ACA

- True RMS
- Dual Type K Inputs

Drop-proof to 2M



Features

	3380	3381	3382	3383
Current measurement	AC	AC/DC	AC	AC/DC
LCD display counts	50000	50000	50000	50000
AC True RMS	*	*	*	*
Dual type K inputs	*	*	*	*
Display with backlight	*	*	*	*
Data Hold & Peak Hold	*	*	*	*
Max /Min	*	*	*	*
REL (Zero) Function	*	*	*	*
Auto Power Off	*	*	*	*
Low battery indication	*	*	*	*
1.9" (48mm) Jaw opening	*	*	*	*
NCV Detection	*	*	*	*
Bluetooth interface			*	*

Specifications

Function	Max Range	Basic Accuracy	3380	3381	3382	3383
Voltage DC	600V	±(0.1%+4d)	*	*	*	*
Voltage AC	600V	±(1.0%+3d)	*	*	*	*
Current DC	1000A	±(2.5%+5d)	*	*	*	*
Current AC	1000A	±(2.5%+5d)	*	*	*	*
DC µA/mA Current	5000.0µA/500.00mA	±(1.0%+3d)	*	*	*	*
AC µA/mA Current	5000.0µA/500.00mA	±(1.5%+30d)	*	*	*	*
Resistance	50MΩ	±(3.0%+5d)	*	*	*	*
Temperature	1000°C/ 1832°F	±(1.0%+2.5°C/4.5°F)	*	*	*	*
Capacitance	5mF	±(3.5%+10d)	*	*	*	*
Frequency	10MHz	±(0.3%+2d)	*	*	*	*
Continuity check	Buzzer sounds at 35Ω		*	*	*	*
Diode test	Test current 0.3mA		*	*	*	*

Size(HxWxD): 230mm x 76mm x 40mm
Weight: 315g

Accessories:
Test leads, gift box with carrying case, temperature probe and 9V battery.
Software(3382/3383)



DT-3370B/3371B/3372B/3373/3376/3377

Professional Heavy Duty AC, AC/DC True RMS Autoranging Clamp Meters

The 3370B series clamp meters offer all the features you need to fit the way you work. The bodies and jaws fit perfectly in your hand and into tight places. A large backlit display (on most models) is easy to see and a handy Display Hold keeps measurements on the display.

- Double molded plastic housing
- True RMS measurement for ACV & ACA



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Features	3370B	3371B	3372B	3373	3376	3377
Current measurement	AC	AC/DC	AC/DC	AC/DC	AC/DC	AC/DC
LCD display counts with backlight	4000	4000	6000	6000	6000	50000
AC True RMS	*	*	*	*	*	*
Flashlight	*	*	*	*	*	*
Data Hold & Peak Hold	*	*	Data Hold	Peak Hold	*	*
Max /Min	*	*	*	*	*	*
REL (Zero) Function	*	*	*	*	*	*
Auto Power Off	*	*	*	*	*	*
Low battery indication	*	*	*	*	*	*
Analog Bargraph / 61 seg.	* / 41 seg.	* / 41 seg.	*	*	*	* / 50 seg.
1.9" (48mm) Jaw opening	*	*	*	*	*	*
NCV Detection & flashlight	*	*	*	*	*	*
Inrush Current				*	*	*
3000A ACA Flexible clamp					*	
Bluetooth interface						*

Specifications	Max Range	Basic Accuracy	3370B	3371B	3372B	3373	3376	3377
Voltage DC	1000V	±(0.5%+1d)	600V	600V	*	*	*	*
Voltage AC	1000V	±(1.5%+2d)	600V	600V		*	*	*
Current DC	1000A	±(2.0%+5d)	*	*	*	*	*	*
Current AC	1000A	±(2.5%+4d)	*	*	*	*	*	*
Resistance	60MΩ	±(3.0%+5d)	40M	40M		*	*	50MΩ
Temperature	1000°C/1832°F	±(3.0%+3°C)	*	*	*	±(1.0%+3°C)	±(1.0%+3°C)	*
Capacitance	10mF	±(2.5%+5d)	4000uF	4000uF	6mF	6000uF	6000uF	*
Frequency	10MHz	±(1.2%+2d)	*	10kHz	*	10MHz	10MHz	*
Inrush Current	1000A	±(1.5%+2d)	*	*		*	*	*
ACA Flexible clamp	3000A	±(3.5%+10d)					*	
Continuity check		Buzzer sounds less than 50Ω						
Diode test		Test current 0.3mA						

Size(HxWxD): 230mm x 76mm x 40mm

Weight: 315g

Accessories:

Test leads, gift box with carrying case, temperature probe and 9V battery.

Software(3373)



Model 3371B



Model 3377



Model 3372

DT-3385/3386

Professional Heavy Duty AC, AC/DC True RMS Autoranging Clamp Meters with Flexible Clamp

The 3385 series clamp meters offer all needed features for measurement, design for perfectly hand-hold and tight place testing. A large backlit display (on most models) is easy to see and a handy Display Hold keeps measurements on the display. Flexible current probe expands the measurement range to 2500ACA.

- Double molded plastic housing
- True RMS measurement for ACV & ACA
- Flexible current probe expands the measurement range to 3000 ACA for all models
- Dual type K inputs for temperature measuring support more application. (3387/3388)
- Flexible current probe expands the measurement range to 3000 ACA

Features	3385	3386
Current measurement	AC	AC/DC
LCD display counts with backlight	50000	50000
3000A ACA Flexible clamp	*	*
AC True RMS	*	*
Flashlight	*	*
Data Hold & Peak Hold	*	*
Max /Min	*	*
REL (Zero) Function	*	*
Auto Power Off	*	*
Low battery indication	*	*
1.9" (48mm) Jaw opening	*	*
NCV Detection & flashlight	*	*
Inrush Current	*	*

Specifications	Max Range	Basic Accuracy	3385	3386
Function				
Voltage DC	1000V	±(0.1%+4d)	*	*
Voltage AC	1000V	±(1.0%+3d)	*	*
Current DC	1000A	±(2.5%+5d)	*	*
Current AC	1000A	±(2.5%+5d)	*	*
Resistance	50MΩ	±(3.0%+5d)	*	*
Temperature	1000°C/ 1832°F	±(1.0%+2.5°C/4.5°F)	*	*
Capacitance	5mF	±(3.5%+10d)	*	*
Frequency	10MHz	±(0.3%+2d)	*	*
ACA flexible clamp	3000A	±(2.8%+8d)	*	*
Continuity check		Buzzer sounds at 50Ω		
Diode test		Test current 0.3mA		

DT-388 Flexible AC Current Clamp meter with Datalogger

Features
AC current True RMS measurements
4000 counts display with backlight & Analogue Bar Graph
Electronic overload protection
Data Hold & inrush function
Inrush Current
Bluetooth interface
Jaw opening 457mm (18 in) coil
3000A ACA flexible clamp
Auto Power Off
Low battery indication

Specifications	
AC current range	0.5A to 3000A AC
Resolution	0.01A
Accuracy	3% ± 5 digits (50Hz to 400Hz)
Memory	Record up to 16000 readings
Safety rating	CAT IV 600V, CAT III 1000V

Size(HxWxD): 230mm x 76mm x 40mm

Weight: 315g

Accessories:

Gift box with carrying case, 1.5V AA x 2 battery, APP Software.



Drop-proof to 2M

True RMS



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Flexible clamp Model CP-20



Model 3386



Size(HxWxD): 230mm x 76mm x 40mm

Weight: 315g

Accessories:

Test leads, gift box with carrying case, Temperature probe and 9V battery.



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Model 388

3000A True RMS AC Flex Clamp Meter

CE

EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033

320/320B/320S Series are 3000A True RMS AC Flex Clamp Meters. The 320S features a 10 inch flexible clamp with LCD monitor. The True RMS measurements are for accurate readings of noisy, distorted or non-sinusoidal waveforms.

Features

	320	320S
Head cable length	18" (457mm)	10" (254mm)
3000A AC current measurement	*	*
Auto ranging	*	*
Data Hold & MAX/MIN	*	*
3000 count large scale LCD display with backlit	*	*
7.5mm coil diameter for tight space measurement	*	*
Indicator low battery	*	*
Ergonomically designed one hand operation	*	*
CAT IV 600V/CAT III 1000V safety standard	*	*

Specifications

Function	Max Range	Resolution	Basic Accuracy
AC Current	30.00A AC	0.01A	± (3.0% + 8d)
50-400Hz	300.0A AC	0.1A	± (3.0% + 5d)
True RMS	3000A AC	1A	± (3.0% + 5d)

Size(HxWxD): 180mm x 106mm x 28mm

Weight: 200g

Accessories:

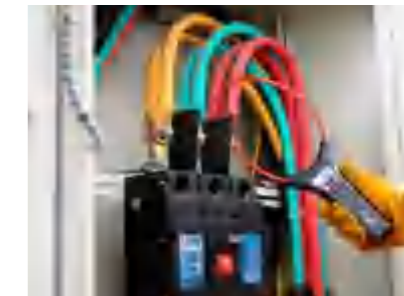
Clamshell, 1.5V AAA x 2 battery

CE

EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033

Model 320

Model 320S



DT-320B/320BS 3000A AC Flex Clamp Adaptor

Features

18" (457mm) head cable length (320B)
10" (254mm) head cable length (320BS)
3000A AC current measurement
Slide switch to change range
Voltage output to universal voltage meters
7.5mm coil diameter for tight space measurement
2 meter extension cable
Low Bart. LED indicator
Ergonomically designed one hand operation
CAT IV 600V/CAT III 1000V safety standard

Specifications

Function	Max Range	Measurement Range	Basic Accuracy	Output Voltage
AC Current 50-400Hz	30A AC	≤30.00A	100mV/A	± 3.0%
	300A AC	30.0A-300.0A	10mV/A	± 3.0%
	3000A AC	300A-3000A	1mV/A	± 3.0%

Size(HxWxD): 180mm x 106mm x 28mm

Weight: 210g

Accessories:

Gift box with carrying case, 1.5V AAA x 2 batteries

CE

EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033

Model 320B



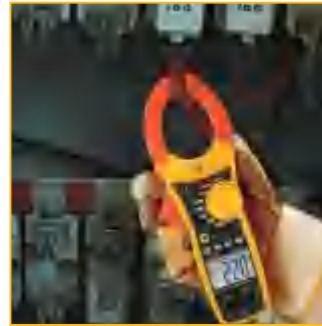
Model 3390



Model 3392

1000A True RMS

- Peak Hold Function(3392/3392W/3392BT)
- Inrush Current Measurement(3397)



3391/3392/3395/3397 Series Professional True RMS Clamp Meters provide accurate AC, AC/DC current and voltage readings regardless of waveforms. These meters can be used in most industrial and commercial applications where non-linear loads distort the Current or Voltage waveform.



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Features	3390	3391/3391W	3392/3392W/3392BT	3395	3397
True RMS measurements		*	*	*	*
Digital display counts	4000	4000	4000	6000	50000
Electronic overload protection	*	*	*	*	*
Analog Bargraph/segments			*/41	*/61	*/51
Continuity buzzer & Diode check	*	*	*	*	*
Data Hold function	*	*	*	*	*
Peak Hold function			*	Min./Max.	*
Inrush current measurement					*
DCA Zero function			*	*	*
Auto Power Off	*	*	*	*	*
Low battery indication	*	*	*	*	*
AC/DC Current	AC	AC	*	*	*
2" (52mm) Clamp jaw opening	*	*	*	*	*
NCV Detection	*	*	*	*	*
Bluetooth data transmission			3392BT		
Wireless USB interface		3391W	3392W		

Specifications	Function	Max Range	Basic Accuracy	Max. Resolution	3390	3391/3391W	3392/3392W/3392BT	3395	3397
AC Current	1000 A	±(2.5%+5d)	10mA		*	*	*	*	*
DC Current	1000 A	±(3.0%+4d)	10mA			*	*	*	*
AC Voltage	600V	±(0.8%+2d)	0.1mV		*	*	*	*	*
DC Voltage	600V	±(1.0%+4d)	0.1mV		*	*	*	*	*
Resistance	40MΩ	±(1.0%+4d)	0.1Ω		*	*	*	*	50mF
Capacitance	40mF	±(3.0%+5d)	0.01nF	100μF	100μF	*	4000μF	10mF	
Frequency	10MHz	±(1.2%+3d)	0.01MHz		*	*	4kHz	*	*
Temperature	1000°C/1832°F	±(3.0%+5d)	1°C/°F		*	*	*	*	*

Size(HxWxD): 271mm x 100mm x 47mm
Weight: 508g

Accessories:
Test leads, gift box with carrying case, 9V battery and temperature probe (3391/3391W/3392/3392W/3392BT/3395/3397)

3350/3351 are True RMS 1500A AC/DC Clamp Meters, 3352 is a True RMS Power Meter, which provide much more safe measurements with double molded plastic housing design. True RMS AC/DC voltage and current measurements, 40,000 counts and 0.1% basic DC voltage accuracy within the reach of more customers. The large LCD display with analog bargraph and backlight ensures that readings are easy to read under all circumstances. Measuring starting current for motors, lighting, etc. is easy with their rush current function. All inputs are protected by EN 610101-1 CATIV 600V/CATIII 1000V.



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Features	3350	3351	3352
Current measurement	AC/DC	AC/DC	AC/DC
Power clamp meter			*
LCD display counts	6600	40000	40000
AC True RMS	*	*	*
Display with backlight	*	*	*
Inrush current measurement	*	*	*
Max /Min, Data Hold	*	*	*
REL (Zero) Function	*	*	*
Auto Power Off	*	*	*
Low battery indication	*	*	*
Analog Bargraph / 41 seg.	*	*	*
2.16" (55mm) Jaw opening	*	*	*
NCV Detection	*	*	*

Specifications	Function	Max Range	Basic Accuracy	3350	3351	3352
Current DC	1500A	±(2.0%+10d)		*	*	*
Current AC	1500A	±(2.8%+10d)		*	*	*
AC kW/kVA	900.0kW	±(3.0%+10d)				*
(AC kW/kVA TRMS 0-600V, 0-1500A, 50/60Hz)						
DC kW/kVA	900.0kW	±(2.5%+10d)				*
(DC kW/kVA 0-600V, 0-1500A, 50/60Hz)						
Power Factor	0.3~1	±(2.5%+10d)				*
Voltage DC	1000.0V	±(0.1%+5d)	1000V	*	*	*
Voltage AC	750.0V	±(0.5%+5d)	750V	*	*	*
Resistance	40.000MΩ	±(0.5%+4d)		*	*	*
Temperature	1000°C/ 1832°F	±(1.0%+1°C/1°F)		*	*	*
Capacitance	40.00mF	±(2.5%+5d)		*	*	*
Duty Cycle	10.0 to 95.0%	±(0.5%+2d)		*	*	*
Frequency	40.000MHz	±(1.2%+2d)		*	*	*
Inrush Current	1500A	±(1.5%+2d)		*	*	*
Continuity check	Buzzer sounds at 50Ω					
Diode test	Test current 0.3mA					

Size(HxWxD): 295mm x 100mm x 46mm
Weight: 537g
Accessories:
Test leads, gift box with carrying case and 9V battery temperature probe.



- Peak Hold Function
- Inrush current measurement

1500A True RMS
40000 Counts(3351/3352)



Model 3351



Model 3352



1000A Clamp Meters

6000 Counts LCD display

3360/3361/3363/3366/3367/3368 series professional 1000A AC, AC/DC clamp meters provide multi-function for 1000A AC, AC/DC, voltage, resistance, capacitance, frequency, temperature, duty cycle and continuity. These series are with 6000 / 6600 counts digital LCD display and analog bargraph.

- Double molded housing
- Electronic overload protection
- Auto Power Off



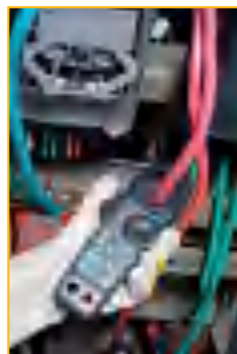
EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Model 3360



Model 3368



Size(HxWxD): 229mm x 80mm x 49mm
Weight: 303g

Accessories:
Test leads, gift box with carrying case, 9V battery, temperature probe(3361/3363/3367/3366/3368/3369T-BT)

Features	3360	3361	3363	3367	3366	3368	3368T	3369T-BT
Digital display counts	6000	6000	6000	6000	6600	6600	6600	6000
Analog Bargraph/Segments	*/60	*/60	*/60	*/60	*/60	*/60	*/60	*/60
Electronic overload protection	*	*	*	*	*	*	*	*
Continuity buzzer & Diode check	*	*	*	*	*	*	*	*
Data Hold function	*	*	*	*	*	*	*	*
DCA Zero function	*	*	*	*	*	*	*	*
Min/Max Hold function	*	*	*	*	*	*	*	*
Auto Power Off	*	*	*	*	*	*	*	*
Low battery indication	*	*	*	*	*	*	*	*
AC/DC Current	AC current	AC current	*	*	AC current	*	*	*
True RMS measurements				*	*	*	*	*
1.2" (30mm) Clamp jaw opening	*	*	*	*				*
Inrush current function					*	*	*	*
Peak Voltage function								*
Bluetooth interface							*	*

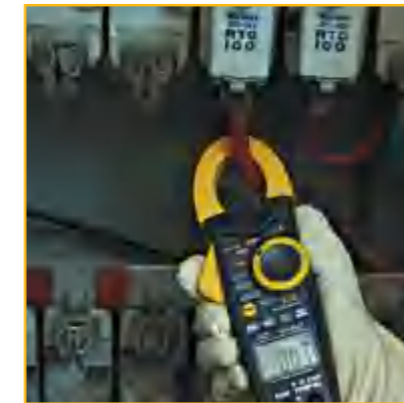
Specifications	Function	Max Range	Basic Accuracy	Max. Resolution	3360	3361	3363	3367	3366	3368	3369T-BT
DC Current	1000A	±(2.5%+5d)	1mA		*	*	*	*	*	*	*
AC Current	1000A	±(3.0%+4d)	10mA		*	*	*	*	*	*	*
DC Voltage	600V	±(0.8%+2d)	0.1mV		*	*	*	*	*	*	*
AC Voltage	600V	±(1.0%+4d)	0.1mV		*	*	*	*	*	*	*
Resistance	60MΩ	±(1.0%+4d)	0.1Ω		*	*	*	*	66MΩ	66MΩ	*
Capacitance	4000μF	±(3.0%+5d)	0.01nF		*	*	*	*	40mF	40mF	6000μF
Frequency	10MHz	±(1.2%+3d)	0.001Hz		*	*	*	*	10kHz	10kHz	*
Duty Cycle	99.9%	±(1.2%+3d)	0.1%		*	*	*	*	*	*	*
Temperature	1000°C/1832°F	±(3.0%+3d)	0.1°C/°F		*	*	*	*	*	*	*
Inrush current	1000A	0.1A	±(2.0%+5d)						*	*	*
Continuity check	Threshold 40Ω, test current <0.5mA										
Diode test	Test current of 0.3mA typical, open circuit voltage <3V DC typical										

3340 Series Professional True RMS Clamp Meters provide accurate AC, AC/DC Current and Voltage readings regardless of waveforms. These meters can be used in most industrial and commercial applications where non-linear loads distort the Current or Voltage waveform.

- Electronic overload protection
- Data Hold function
- DCA Zero function
- Low battery indication
- Auto Power Off



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Model 3341



Model 3345

Peak Hold Function (3345/3347)

1000A True RMS (3345/3347)

Features	3340	3341	3342	3343	3343T	3344	3345	3347	3347W
True RMS measurements	*	*	*	*	*	*	*	*	*
Digital display counts	2000	4000	2000	4000	4000	4000	4000	4000	4000
AC/DC Current	AC	AC	AC	AC/DC	AC/DC	AC	AC	AC/DC	AC/DC
1.2" (30mm) Clamp jaw opening	*	*	*	*	*	*	*	*	*
Electronic overload protection	*	*	*	*	*	*	*	*	*
Continuity buzzer & Diode check	*	*	*	*	*	*	*	*	*
Data Hold function	*	*	*	*	*	*	*	*	*
Analog Bargraph/segments				*	*	*	*	*	*
Peak Hold function						*	*	*	*
DCA Zero function				*	*			*	*
MAX Hold function	*	*	*	*	*	*	*	*	*
Auto Power Off	*	*	*	*	*	*	*	*	*
Low battery indication	*	*	*	*	*	*	*	*	*
USB interface									*
Wireless transmitter									915MHz
Communication Distance									≤ 100m

Specifications	Function	Max Range	Basic Accuracy	Max. Resolution	3340	3341	3342	3343	3343T	3344	3345	3347/3347W
AC Current	1000 A	±(2.5%+5d)	10mA		*	*	*	*	*	*	*	*
DC Current	1000 A	±(3.0%+4d)	10mA		*	*	*	*	*	*	*	*
AC Voltage	600V	±(0.8%+2d)	0.1mV		*	*	*	*	*	*	*	*
DC Voltage	600V	±(1.0%+4d)	0.1mV		*	*	*	*	*	*	*	*
Resistance	40MΩ	±(1.0%+4d)	0.1Ω	20M	*	*	20M	*	*	*	*	*
Capacitance	40mF	±(3.0%+5d)	0.01nF			100μF	100μF	100μF	*	*	*	*
Frequency	10MHz	±(1.2%+3d)	0.01MHz		*	20kHz	100kHz	100kHz	*	4kHz	4kHz	*
Duty Cycle	99.9%	±(1.2%+3d)	0.1%		*	*	*	*	*	*	*	*
Temperature	1000°C/1832°F	±(3.0%+5d)	1°C/°F		*	*	*	*	*	*	*	*

Size(HxWxD): 229mm x 80mm x 49mm

Weight: 303g

Accessories: Test leads, gift box with carrying case, 9V battery; two "AAA" batteries(3340) and temperature probe (3341/3342/3343/3343T/3345/3347/3347W) USB cable and Software(3347W)



Model 3347

The 350 series clamp meters offer all the features you need to fit the way you work. The small bodies and jaws fit perfectly in your hand and into tight places. Slender housing design is good to measure by one hand. A large backlit display (on most models) is easy to see and a handy Display Hold keeps measurements on the display. Measuring starting current for motors, lighting, etc. It is easy with the inrush current function (on most models).

- Double molded plastic housing
- Auto Power Off



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Model 350



Model 351

Features

	350	351	352	353
Current measurement	AC	AC/DC	AC	AC/DC
LCD display counts	4000	4000	2000	50000
Data Hold	*	*	*	*
REL (Zero) Function	*	*	*	*
Auto Power Off	*	*	*	*
Low battery indication	*	*	*	*
1.2" (30mm) Jaw opening	*	*	*	*
NCV Detection	*	*	*	*

Specifications

Function	Max Range	Basic Accuracy	350	351	352	353
Voltage DC	600V	±(0.5%+1d)	*	*	*	*
Voltage AC	600V	±(1.5%+2d)	*	*	*	*
Current DC	400A	±(2.0%+5d)	*	*	*	*
Current AC	400A	±(2.5%+4d)	*	*	*	*
Resistance	40MΩ	±(3.0%+5d)	*	*	*	*
Temperature	760°C/1400°F	±(3.0%+3d)	*	*	*	*
Capacitance	100uF	±(2.5%+5d)	*	*	*	10mF
Frequency	10MHz	±(1.2%+2d)	*	10kHz	*	*
Continuity check	Buzzer sounds at 50Ω					
Diode test	Test current 0.3mA					

Size(HxWxD): 198mm x 66mm x 36mm
Weight: 230g

Accessories:

Test leads, gift box with carrying case, temperature probe and Two "AAA" 1.5V batteries.



The 355 series clamp meters offer all needed features for measurement. It with small bodies and jaws design for perfect handhold and tight place testing. A large backlit display (on most models) is easy to see and a handy Display Hold keeps measurements on the display.

- Double molded plastic housing
- True RMS measurement for ACV & ACA
- Auto Power Off

Features

	355	356	357	355W	356W	358
Current measurement	AC	AC/DC	AC/DC	AC	AC/DC	AC/DC
LCD display counts	6000	6000	40000	6000	6000	50000
AC True RMS	*	*	*	*	*	*
Display with backlight	*	*	*	*	*	*
Data Hold	*	*	*	*	*	*
Max /Min	*	*	*	*	*	*
REL (Zero) Function	*	*	*	*	*	*
Auto Power Off	*	*	*	*	*	*
Low battery indication	*	*	*	*	*	*
Analog Bargraph / 61 seg.	*	*	*	*	*	*
1.57" (40mm) Jaw opening	*	*	*	*	*	*
NCV Detection	*	*	*	*	*	*
USB interface				*	*	
Wireless transmitter				433MHz	915MHz	
Receive sensitivity				-109dBm		
Communication distance				≤ 100m		

Specifications

Function	Max Range	Basic Accuracy	355/355W	356/356W	357	358
Voltage DC	600V	±(0.5%+1d)	*	*	*	*
Voltage AC	600V	±(1.5%+2d)	*	*	*	*
Current DC	1000A	±(2.0%+5d)	*	*	*	*
Current AC	1000A	±(2.5%+4d)	*	*	*	*
Resistance	60MΩ	±(3.0%+5d)	*	*	*	*
Temperature	760°C/ 1400°F	±(3.0%+3d)	*	*	*	*
Capacitance	4000uF	±(2.5%+5d)	*	*	*	10mF
Frequency	10MHz	±(1.2%+2d)	*	10kHz	10kHz	10MHz
Inrush Current	600A	±(1.5%+2d)				*
Continuity check	Buzzer sounds at 50Ω					
Diode test	Test current 0.3mA					

Size(HxWxD): 230mm x 76mm x 40mm

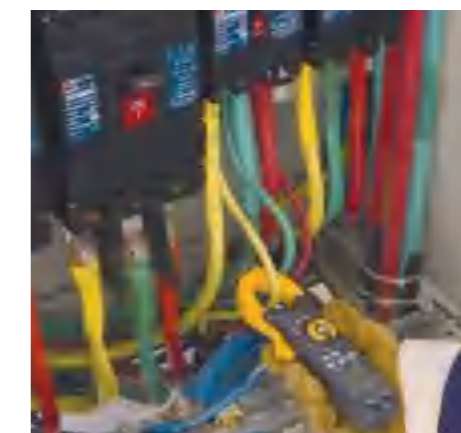
Weight: 315g



Accessories:

Test leads, gift box with carrying case, temperature probe and 9V battery.

USB cable and Software(355W/356W)



True RMS



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Model 356



Model 358

Inrush current (366)

True RMS (363/366)



The 360 series clamp meters offer all needed features for measurement. It with small bodies and jaws design for perfect handhold and tight place testing. A large backlit display (on most models) is easy to see and a handy Display Hold keeps measurements on the display. Measuring starting current for motors, lighting, etc. is easy with the inrush current function (366 only).

- Double molded plastic housing
- Inrush current function (366 only)
- Auto Power Off

Features	360	361	362	363	366
Current measurement	AC	AC	AC/DC	AC/DC	AC/DC
Max. Resolution	1mA	1mA	10mA	10mA	10mA
LCD display counts	2000	4000	4000	4000	6000
AC True RMS				*	*
Display with backlight	*	*	*	*	*
Data Hold	*	*	*	*	*
Max Hold	*				
Zero Function			*	*	*
Auto Power Off	*	*	*	*	*
Low battery indication	*	*	*	*	*
Peak Current				*	
Inrush Current					*
1.2" (30mm) Jaw opening	*	*	*	*	*

Specifications	Max Range	Basic Accuracy	360	361	362	363	366
Voltage DC	600V	±(0.5%+1d)	*	*	*	*	*
Voltage AC	600V	±(1.5%+2d)	*	*	*	*	*
Current DC	400A	±(2.0%+5d)			*	*	600A
Current AC	400A	±(2.5%+4d)	*	*	*	*	*
Resistance	40MΩ	±(3.0%+5d)	20MΩ	*	*	*	60MΩ
Temperature	1000°C/1832°F	±(3.0%+3d)		*	*	*	*
Capacitance	100uF	±(2.5%+5d)			*	*	40mF 60mF
Frequency	10MHz	±(1.2%+2d)			*	*	*
Inrush Current	600A	±(1.5%+2d)					*
Continuity check		Buzzer sounds at 50Ω					
Diode test		Test current 0.3mA					

Size(HxWxD): 197mm x 70mm x 40mm
Weight: 183g

Accessories:
Test leads, gift box with carrying case, Temperature probe(361,362, 363, 366 only) and 9V battery.

Model 360



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Model 362



Model 363



370 clamp meter offers all needed features for measurement. It has small bodies and jaws design for perfectly handhold and tight place testing. A large backlit display (on most models) is easy to see and a handy Display Hold keeps measurements on the display. Measuring starting current for motors, lighting, etc.



Heavy Duty housing design

Drop-proof to 2M
True RMS (370T)

Features	370	370T
200A AC Current measurement	*	*
Digital display counts	4000	6000
Compact size	*	*
REL Function	*	*
Data Hold	*	*
Backlit Controls	*	*
Low battery indication	*	*
17mm Jaw opening	*	*
Auto sense Voltage		*
NCV	*	*
Low Z & True RMS		*

Specifications	Max Range	Basic Accuracy	370	370T
Voltage DC	600V	±(1.5%+3d)	*	*
Voltage AC	600V	±(1.2%+3d)	*	*
Current AC	200A	±(3.5%+5d)	*	*
Resistance	40MΩ	±(3.0%+5d)	*	60Meg
Temperature	760°C/ 1400°F	±(3.0%+3d)	*	*
Capacitance	100uF	±(2.5%+5d)	*	6000uF
Frequency	10MHz	±(1.2%+2d)	*	*
Low Z	>150K			*
Continuity check		Buzzer sounds at 50Ω		
Diode test		Test current 0.3mA		

Size(HxWxD): 230mm x 82mm x 40mm **Weight:** 230g
Accessories: Test leads, gift box with carrying case, temperature probe and Two"AAA"1.5V batteries.



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Model 370

The 380 series clamp meters offer all the features you need to fit the way you work. The small bodies and jaws fit perfectly in your hand and into tight places.

Features	380	380B	381	382	383
Current measurement	AC	AC	AC	AC/DC	AC/DC
LCD display counts	2000	2000	4000	2000	4000
Data Hold	*	*	*	*	*
REL (Zero) Function		MAX		*	*
Auto Power Off	*	*	*	*	*
Low battery indication	*	*	*	*	*
1.2" (30mm) Jaw opening	*	*	*	*	*
NCV Detection	*	*	*	*	*
Flashlight	*		*	*	*

Specifications	Max Range	Basic Accuracy	380	380B	381	382	383
Voltage DC	600V	±(0.5%+1d)	*	*	*	*	*
Voltage AC	600V	±(1.5%+2d)	*	*	*	*	*
Current DC	400A	±(2.0%+5d)				200A	*
Current AC	400A	±(2.5%+4d)	*	*	*	200A	*
Resistance	40MΩ	±(3.0%+5d)	20MΩ	*	*	20MΩ	*
Temperature	1000°C/ 1832°F	±(3.0%+3d)	*	*	*	*	*
Capacitance	100uF	±(2.5%+5d)			*	*	*
Frequency	10MHz	±(1.2%+2d)		*	10kHz		10kHz
Continuity check		Buzzer sounds at 50Ω					
Diode test		Test current 0.3mA					

Size(HxWxD): 230mm x 82mm x 40mm **Weight:** 230g
Accessories: Test leads, gift box with carrying case, temperature probe and Two"AAA"1.5V batteries.



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Model 383

The FC-31/32/33 Series are designed to verify the presence of load current, Non-contact voltage and flashlight, etc. The small bodies and jaws fit perfectly in your hand and a large backlit display is easy to read.

EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033

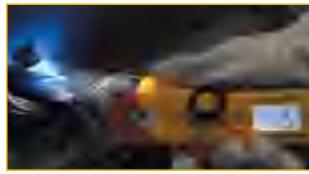


Features	31	32	33	35	36
True RMS				*	*
AC/DC Voltage, Resistance, Continuity, Diode check				*	*
Digital display counts	2000	2400	2400	2000	2000-9999
0.7" Jaw opening	*	*	*	*	*
Non-contact Voltage detector and Flashlight	*	*	*	*	*
AC Current		*	*	*	*
DC Current		*	*	*	*
Data Hold function	*	*	*	*	*
MAX/MIN function	MAX			MAX	*
DCA Zero function		*	*	*	*
Peak Hold function				*	*
Auto Power Off	*	*	*	*	*
Low battery indication	*	*	*	*	*
Backlight Display		*	*	*	*

Specifications	Function	Max Range	Basic Accuracy	Max. Resolution	31	32	33	35	36
AC Current	2A	±(3.0%+8d)	1mA				*		
	20A	±(3.0%+8d)	10mA	*					
	80A	±(3.0%+8d)	100mA			*			
	200A	±(3.0%+8d)	100mA	*	*			*	*
DC Current	2A	±(2.8%+8d)	1mA				*		
	80A	±(2.8%+8d)	100mA			*			
	200A	±(3.0%+8d)	100mA		*			*	*
Frequency	40-51Hz	±(1.2%+5d)	0.01Hz		*				
	51-510Hz	±(1.2%+3d)	0.1Hz		*				
	0.51-1kHz	±(1.2%+3d)	0.001kHz		*				
Voltage DC	600V	±(0.5%+1d)						0.2-600V auto	600.0V
Voltage AC	600V	±(1.5%+2d)						0.2-600V auto	600.0V
Resistance	20MΩ	±(3.0%+5d)						0.2k-20MΩ auto	999.9Ω
Diode	Open circuit voltage 1.5V, Test current 0.3mA (FC-35 only)								
Continuity	Buzzer sounds at 100Ω (FC-35/36 only)								
Non-contact Voltage detection	: 100-600VAC								



Model FC-31



Model FC-33

Non-Contact Voltage Detector

- Flashlight
- Digital Clamp Meter

Size(HxWxD): 178mm x 65mm x 32mm Weight: 170g
Accessories: Test leads, clamshell with carrying case and Two "AAA" 1.5V batteries.

FC-21/22 Mini AC, AC/DC Clamp Meters



Model FC-21



Model FC-22

EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033

Features	FC-21	FC-22
Current measurement	AC	AC/DC
Inrush current measurement		*
Data Hold	*	*
DC zero function		*
Backlit LCD display	*	*
Non-contact AC voltage detection	*	*
Auto Power OFF	*	*

Specifications	Function	Max Range	Resolution	Basic Accuracy	FC-21	FC-22
AC Current	40.00A AC	0.01A	±(3.5% + 10d)	*	*	
	50/60 Hz True RMS	400.0A AC	0.1A	±(2.8% + 8d)	*	*
AC Current	40.00A AC	0.01A	±(2.8% + 10d)	*	*	
	400 Hz True RMS	400.0A AC	0.1A	±(2.8% + 8d)	*	*
DC Current	40.00A DC	0.01A	±(2.5% + 10d)	*	*	
	400.0A DC	0.1A	±(2.8% + 8d)	*	*	

Size(HxWxD): 153mm x 57mm x 27mm Accessories: Gift box with carrying case & 2 x "AAA" batteries
Weight: 138g



The 371 series clamp meters offer all needed features for measurement. It is with small bodies and jaws design for perfect handhold and tight place testing. A large backlit display (on most models) is easy to see and a handy Display Hold keeps measurements on the display. Measuring starting current for motors, lighting, etc. is easy with the inrush current function (376 only).

- Double molded plastic housing
- Inrush current function (376 only)
- Auto Power Off



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



True RMS (375/375BT/376)

Inrush current (376)

Features	371	371B	371BL	372	373	375	375BT	376
Current measurement	AC	AC	AC	AC	AC/DC	AC/DC	AC/DC	AC/DC
Max. Resolution	1mA	1mA	1mA	1mA	10mA	10mA	10mA	10mA
LCD display counts	2000	2000	2000	4000	4000	4000	6000	6000
AC True RMS	*	*	*	*	*	*	*	*
Display with backlight	*	*	*	*	*	*	*	*
Data Hold	*	*	*	*	*	*	*	*
Max Hold	*	*	*	*	*	*	*	*
Zero Function					*	*	*	*
Auto Power Off	*	*	*	*	*	*	*	*
Low battery indication	*	*	*	*	*	*	*	*
Bluetooth						*	*	*
Peak Current								*
Inrush Current								*
1.2" (30mm) Jaw opening	*	*	*	*	*	*	*	*

Specifications	Function	Max Range	Basic Accuracy	371	371B	371BL	372	373	375	375BT	376
Voltage DC	600V	±(0.5%+1d)		*	*	*	*	*	*	*	*
Voltage AC	600V	±(1.5%+2d)		*	*	*	*	*	*	*	*
Current DC	400A	±(2.0%+5d)						*	*	*	600A
Current AC	400A	±(2.5%+4d)		*	*	*	*	*	*	*	600A
Flexible A	3000A	±(3.0%+5d)							*	*	*
Resistance	40MΩ	±(3.0%+5d)		20MΩ	20MΩ	20MΩ	*	*	*	60MΩ	60MΩ
Temperature	1000°C/1832°F	±(3.0%+3d)		*					*	*	*
Capacitance	100µF	±(2.5%+5d)					*	*	4000µF	6000µF	6000µF
Frequency	10MHz	±(1.2%+2d)					*	*	*	*	*
Inrush Current	400A	±(1.5%+2d)					*	*	*	*	*
Continuity check	Buzzer sounds at 50Ω			*	*	*	30Ω	30Ω	*	*	*
Diode test	Test current 0.3mA			*	*	*	*	*	*	*	*

Size(HxWxD): 197mm x 70mm x 40mm
Weight: 183g
Accessories: Test leads, gift box with carrying case, temperature probe(371B, 375, 375BT, 376 only), 1.5Vx2 "AAA" batteries.



Model 371



Model 373



Model 375BT

The 339 is new designed to verify the presence of load current, voltage and resistance, etc. The small bodies and jaws fit perfectly in your hand and a large backlit display is easy to read.

Test lead mA range with high 1mA resolution for HVAC and Process control applications
Data Hold freeze the displayed value
Auto Power Off

High Resolution



Model 337



Model 338

Features	337	338	339
Small jaw size	0.5"	0.8"	0.7"
1mA high resolution	*	*	*
True RMS AC clamp-on multimeter		*	*
Type K Temperature function		*	*
Digital clamp tester for AC/DC current measurement	*	*	*
Providing wide measuring range from very small to large current	*	*	*
Designed to safety standard IEC 61010-2-032: CAT III 600V and pollution degree 2.	*	*	*
Display counts	4000	4000	5000
Auto power off & Data hold function	*	*	*
Peak hold ,Max/Min hold and Relative functions		*	Max/Min
Advanced functions include Capacitance, Frequency		*	*
Flashlight			*

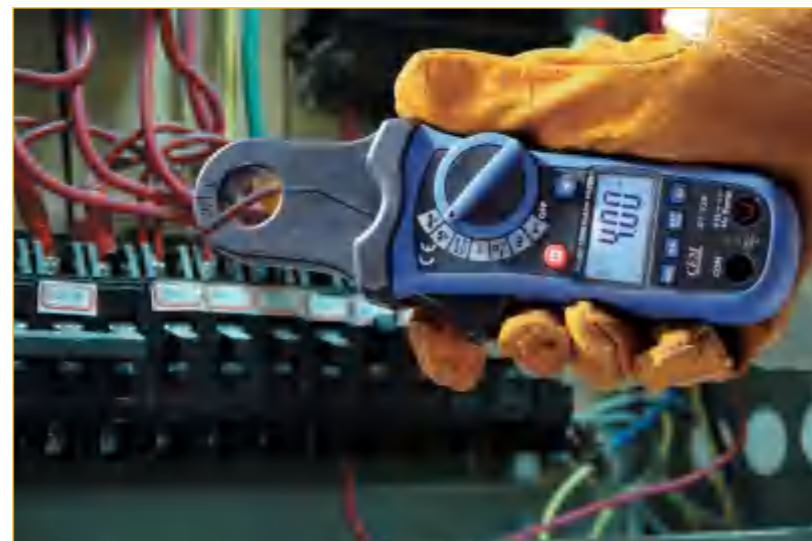
Specifications	Function	Max. Range	Max. Resolution	Basic Accuracy	337	338	339
Current AC	80A	1mA	±(2.5%+5d)	*	*	*	
Current DC	80A	1mA	±(2.5%+4d)	*	*	*	
Voltage AC	400mV-600V	0.1mV	±(2.0%+4d)	*	*	*	
Voltage DC	400mV-600V	0.1mV	±(1.5%+3d)	*	*	*	
Resistance	400Ω-40MΩ	0.1Ω	±(1.5%+2d)	*	*	*	
Frequency	5Hz-10MHz	0.001Hz	±(1.2%+3d)	*	*	*	
% Duty	5%-99.9%	0.1%	±(1.2%+3d)	*			
Capacitance	40mF	0.001nF	±(3.5%+10d)	100uF	*	500.0uF	
Temperature	-20°C~+760°C	0.1 °C	±(2.0%+3°C)		*	*	
	-4 °F~+1400 °F	0.1 °F	±(2.0%+ 3°F)		*	*	
Diode Check	Test current of 0.3mA, Open circuit voltage 3.0V(338)			*	*	*	
Continuity Check	Threshold 50Ω			*	*	*	

Size(HxWxD): 210mm x 70mmx 37mm

Weight: 200g

Accessories:

Test leads, Gift box with carrying case, 9V battery.



Model 339



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033

3170 Milliamp clamp meter measures mA signals for PLC and control system analog I/O, with extension cable for measurements in tight locations

Features

- High accuracy 0.5%
- 0.01 mA resolution and sensitivity
- 0.18 in or 4.5mm max. diameter of measurable conductor
- Measuring 4 to 20 mA signals without "breaking the loop"
- Measuring mA signals for PLC and control system analog I/O
- Dual backlit display with both mA measurement and percent of 4 to 20 mA span
- Measurement Spotlight illuminates where hard to see wires in dark enclosures
- Detachable clamp with extension cable for measurements in tight locations
- Measuring 10 to 50 mA signals in older control systems by using the 99.9 mA range
- Automatically change 4 to 20 mA output for remote testing
- Power saving features, auto-off, backlight timeout extend battery life
- Hold function captures and displays changing measurements

Specifications

Function	Range/ Resolution	Accuracy
mA measurement	0 to 20.99 mA	0.5% + 5 counts
	21.0mA to 100.0 mA	1.5% + 5 counts

Size(HxWxD): 215mm x 55mm x 36mm Weight: 200g

Accessories: Gift box with carrying case & two "AA" 1.5V batteries.



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Model 3170

DT-330 Series Mini AC, AC/DC Autoranging Clamp Meters

The 330 series are designed to verify the presence of load current, voltage and resistance, etc. The small bodies and jaws fit perfectly in your hand and a large backlit display is easy to read.

Features

	330	331	332/332T	333/333T	335	336
Max. Resolution to	AC	AC	AC/DC	AC/DC	AC	AC/DC
Current measurement	1mA	1mA	10mA	10mA	0.1uA	0.1uA
LCD display counts	2000	2000	4000	4000	4000	4000
AC True RMS			332T	333T		
Display with backlight	*	*	*	*	*	*
Data Hold	*	*	*	*	*	*
Max Hold	*	*				
Zero Function			*	*	*	*
0.9" (23mm) Jaw size	*	*	*	*	*	*

Specifications

Function	Max Range	Basic Accuracy	330	331	332	333	335	336
Voltage DC	600V	±(0.5%+1d)	*	*	*	*	*	*
Voltage AC	600V	±(1.5%+2d)	*	*	*	*	*	*
Current DC	400A	±(2.5%+5d)			*	*	*	*
Current AC	400A	±(3.0%+4d)	*	*	*	*	*	*
Resistance	20MΩ	±(3.0%+5d)	*	*	40MΩ	40MΩ	40MΩ	40MΩ
Temperature	1000°C/1832°F	±(3.0%+3d)		*	*	*	*	*
Capacitance	100uF	±(2.5%+5d)			*	*	*	*
Frequency	150KHz				*	*	*	*
	10MHz	±(1.2%+2d)						*
Continuity	Buzzer sounds at 100Ω		*	*	*	*	*	*
Diode	Test current 0.3mA; Open circuit voltage 1.5V		*	*	*	*	*	*

Size(HxWxD): 205mm x 70mm x 37mm Weight: 200g

Accessories: Test leads, gift box with carrying case, temperature probe(331, 333, 335 only) and Two "AAA" 1.5V batteries.



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



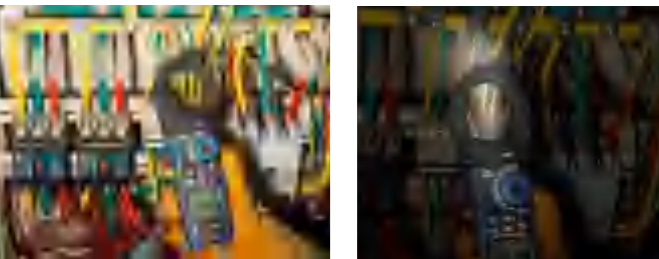
Model 330



CATIV 1000V 2000A AC, AC/DC True RMS Clamp Meters



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



- CAT IV 1000V Safety design
- True RMS measurements
- 2000AAC, AC/DC Clamp Meters
- Inrush current measurement
- Bluetooth data transmission
- AC+DC Applications with Testing & Maintenance (3398W)
- AC+DC Applications with Analysis & Surveys (3399)

3398/3398B/3398W/3399 Series Professional True RMS Clamp Meters provide accurate AC, AC/DC Current and Voltage readings regardless of waveforms. These meters can be used in most industrial and commercial applications where non-linear loads distort the Current or Voltage waveform.

2000A True RMS

- Peak Hold Function
- Inrush Current Measurement



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Model 3398B



Model 3398W

Features

	3398	3398B	3398W	3399
AC/DC Current	AC	AC/DC	AC/DC	AC/DC
Clamp jaw opening	2" (52mm)	2" (52mm)	2" (52mm)	2" (52mm)
Digital display counts	6000	6000	6000	60000
Electronic overload protection	CAT IV 1000V	CAT IV 1000V	CAT IV 1000V	CAT IV 1000V
True RMS measurements	*	*	*	*
Analog Bargraph/segments		*/61	*/61	*/61
Continuity buzzer & Diode check	*	*	*	*
Data Hold & Peak Hold function	*	*	*	*
Flash light & Black light function	*	*	*	*
MAX/ MIN	*	*	*	*
Inrush current measurement	*	*	*	*
DCA Zero function	*	*	*	*
NCV Detection	*	*	*	*
Auto Power Off	*	*	*	*
Low battery indication	*	*	*	*
A AC+DC				*
V AC+DC			*	*
THDf / THDr			25th harmonic	25th harmonic
Phase rotation indication			*	*
Bluetooth data transmission		*	*	*
Low pass filter			*	*

Specifications

Function	Max Range	Basic Accuracy	Max. Resolution	3398	3398B	3398W	3399
AC Current	2000 A	±(2.5%+5d)	1A	*	*	*	*
DC Current	2000 A	±(3.0%+4d)	1A	*	*	*	*
AC Voltage	1000V	±(0.8%+2d)	0.1mV	*	*	*	*
DC Voltage	1000V	±(1.0%+4d)	0.1mV	*	*	*	*
Resistance	60MΩ	±(1.0%+4d)	0.1Ω	*	*	*	*
Capacitance	10mF	±(3.0%+5d)	0.01nF	*	*	*	*
Electronic Frequency	100kHz	±(1.2%+3d)	0.01kHz	*	*	*	*
Temperature	1000°C/1832°F	±(3.0%+5d)	1°C/°F	*	*	*	*
Total Harmonic Distortion	99.9%	0.1%	±(3% + 10d)			*	*
Harmonic distortion measurement	99.9%	0.1%	±(5% + 10d)			*	*
Active Power	999.9KW		A.error x v.reading + V.error x A.reading			*	*
Power Fartor	-1.0 ~ 0, 0 ~ 1.0		±(3% + 1d)			*	*
Continuity check	Buzzer sounds at 50Ω						
Diode test	Test current <0.5mA Max 3V						

Size(HxWxD): 308mm x 97mm x 47mm Weight: 732g
Accessories: 1.5V AA x 3 batteries and Temperature probe, test leads, gift box with carrying case

1000A AC/DC Power Quality True RMS Clamp Meter



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033

3349W/3349W-BT 1000A AC/DC power quality True RMS clamp meter measure power and power factor, total harmonic distortion, individual harmonics, as well as AC/DC voltage, current, capacitance, inrush current analysis, and phase sequence. The low pass filter enables voltage and current measurements on variable frequency drives. It allows quick selection of the numerous measurement features on the large LCD display.

- Double molded plastic housing
- True RMS measurement for ACV & ACA



Drop-proof to 2M



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Model 3349W

Features

- True RMS
- Non-contact voltage detection
- Inrush current measurement for motors
- Low pass filter for variable frequency drives
- Continuity Beeper
- Min, Max and Smart Data Hold, Peak hold
- Auto torch-light when clamping
- Large 10,000 count display with active backlight and analog bar graph
- Auto Power Off
- Maximum jaw opening 1.63" (42mm)
- CAT IV 600 V /CAT III 1000 V safety standard
- Bluetooth interface (3349W-BT)
- Meterbox iMM & cloud service

Specifications

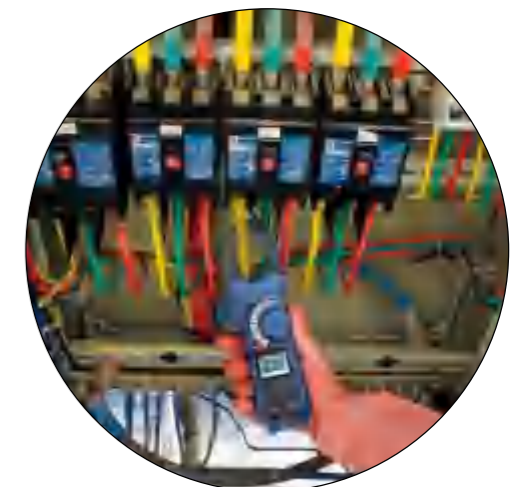
Function	Max Range	Max. Resolution	Basic Accuracy
AC True RMS Current	60.00A	100mA	±(2.5% +8d)
	1000A	1A	±(3% +8d)
DC Current	60.00A	100mA	±(2.5% +0.2A)
	1000A	1A	±(3% +8d)
DC Voltage	600.0mV, 6.000V, 60.00V, 600.0V, 1000V	0.1mV	±(0.8% +20d)
AC True RMS Voltage	6.000V, 60.00V, 600.0V, 1000V	1mV	±(1.0% +5d)
Resistance	600.0Ω, 6.000kΩ, 60.00kΩ, 600.0kΩ, 6.000MΩ, 60.00MΩ	0.1Ω	±(1% +4d)
	Capacitance	6.000nF, 60.00nF, 600.0nF, 6.000uF, 60.00uF, 600.0uF, 6000uF	1pF
Frequency	6.000Hz, 60.00Hz, 600.0Hz, 6.000KHz, 60.00KHz, 600.0KHz, 10MHz	0.001Hz	±(1.0% +5d)
	Duty Cycle	10Hz to 10kHz, 40Hz to 100Hz	
Duty Cycle	0.5%~99.9%	0.1	±(1.2% +10d)
Temperature	-50°C~+1000°C, -58 °F~+1832°F	0.1 °C/ °F	±(3% +5°C/ 9°F)
Total Harmonic Distortion	99.9%	0.1%	±(3% + 10d)
Harmonic distortion measurement	99.9%	0.1%	±(5% + 10d)
Active Power	999.9KW		A.error x v.reading + V.error x A.reading
Power Factor	-1.0 ~ 0, 0 ~ 1.0		±(3% + 1d)
Diode test	Forward DCA is approx. 1mA, open circuit Voltage MAX . 3V		
Continuity check	Buzzer sounds at 50Ω		

Size(HxWxD): 230mm x 76mm x 40mm

Weight: 315g

Accessories:

Test leads, temperature probe, gift box with carrying case, 9V battery.



3353 Professional True RMS 1000A AC Watt Clamp Meter provides accurate Watt, AC Current and Voltage readings regardless of waveforms.



1000A True RMS

DC/AC True Power to 750kW



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Features

- Analysis for Single Phase and Balanced 3 phase system
- True RMS Value (Voltage and Current)
- Large dual LCD Display with Backlight
- USB interface
- Data Hold , MIN / MAX measurement
- True power / apparent power / power factor measurement
- Auto Ranging & Auto Power Off
- Overflow Indication
- Manual Data Memory and Read (99 sets)
- NCV Detection
- 2.16" (55mm) Jaw opening

Specifications

Function	Range	Basic Accuracy
AC Voltage	15V/100V/300V/750V	±(1.2%+5)
AC Current	40A/100A/400A/1000A	±(2%+5)
True Power	0.60kW—750kW	±(3%+5)
Apparent Power	0.60kVA—750kVA	±(3%+5)
Reactive Power	0.60kVAr—750kVAr	±(4%+20)of 15V/1000A else±(4%+5)
Power Factor	0.3-1	±(2%+20)
Phase Angle	0°-90°	±1°
Frequency	20Hz-200Hz	±(0.5%+5)
Energy	1-9999kWh	±(3%+2)

Size(HxWxD): 295mm x 100mm x 46mm

Weight: 537g

Accessories:

Test leads, gift box with carrying case and 9V battery, USB Cable, CD Software.

Model 3353

DT-3348 True RMS 1000A AC/DC Watt Clamp Meter

3348 Professional True RMS 1000A AC/DC Watt Clamp Meter provides accurate Watt, AC/DC Current and Voltage readings regardless of waveforms.



1000A True RMS

DC/AC True Power to 240kW



Features

- True RMS AC Voltage and Current
- DC and AC True Power to 240kW
- 1.2"(30mm) Clamp jaw opening
- Electronic overload protection
- Continuity buzzer & Diode check
- Data Hold function
- DCA Zero function
- Auto Power Off
- Low battery indication
- AC/DC Current

Specifications

Function	Max Range	Max. Resolution	Basic Accuracy
AC Current	1000 A	0.1A	±(2.5%+5d)
DC Current	1000 A	0.1A	±(3.0%+4d)
AC Voltage	600V	0.1mV	±(0.8%+2d)
DC Voltage	600V	0.1mV	±(1.0%+4d)
Resistance	40MΩ	0.1Ω	±(1.0%+4d)
Frequency	10MHz	0.01MHz	±(1.2%+3d)
AC Power	240kW	10W	±(3.0%+5d)
DC Power	240kW	10W	±(2.5%+5d)

Size(HxWxD): 229mm x 80mm x 49mm

Weight: 303g

Accessories:

Test leads, gift box with carrying case & 9V battery

Model 3348



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033

Model 3315

Model 3311

Model 3312



3310 Series Professional 1000A/2000A AC, AC/DC Clamp Meters provide many functions for professional AC current and voltage measurements including resistance, capacitance and diode test, etc. With mid-size and tear-drop shaped jaw, it is easy to use in crowded cable areas and other tight places.

Features

	3310	3311	3312	3313	3315	3316
Current measurements	AC	AC	AC	AC/DC	AC/DC	AC/DC
True RMS measurements					*	*
Digital display counts	4000	4000	4000	4000	4000	4000
Electronic overload protection	*	*	*	*	*	*
Continuity buzzer & Diode check	*	*	*	*	*	*
Data Hold function	*	*	*	*	*	*
Peak Hold						*
DCA Zero function				*	*	*
Auto Power Off	*	*	*	*	*	*
Low battery indication	*	*	*	*	*	*
Display with backlight	*	*	*	*	*	*
2.16" (55mm) Clamp jaw opening	*	*	*	*	*	*

Specifications

Function	Max Range	Basic Accuracy	Max. Resolution	3310	3311	3312	3313	3315	3316
AC Current	2000A	±(2.5%+5d)	100mA	1000 A	1000 A	*	*	*	*
DC Current	2000A	±(2.5%+5d)	100mA			*	*	*	*
AC Voltage	1000V	±(1.0%+4d)	0.1mV	*	*	*	*	*	*
DC Voltage	1000V	±(0.5%+4d)	0.1mV	*	*	*	*	*	*
Resistance	40MΩ	±(1.0%+2d)	0.1Ω	*	*	*	*	*	*
Frequency	10MHz	±(1.2%+2d)	0.001Hz	*	*	*	*	*	*
Capacitance	40mF	±(3.0%+5d)	0.01nF	*	*				

Size(HxWxD): 270mm x 107mm x 50mm **Weight:** 554g

Accessories: Test leads, gift box with carrying case, 9V battery.

AC leakage current tester 9809 is a multifunction clamp meter with very good resolution of 10uA. It is very useful for power system to check and installation. With the measuring range up to 100A, this tester is great for appliance installation or for car applications

- 10uA high resolution
- Large 3³/₄ (4000 counts) LCD display
- Auto Power Off
- Shielded transformer jaw opens to 1.2"
- Max/Min, Data Hold, Low battery indication
- Overload protection

CE

EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Specifications

Function	Range	Resolution	Basic Accuracy
Current AC	40mA~100A	10uA~100mA	±(2.0%+3d)
Voltage AC	400V	0.1V	±(1.5%+10d)
Resistance	40~400Ω	0.1Ω	±(1.0%+2d)
Continuity Test	Threshold 40Ω, Continuity Beeper 2.5KHz		
1.2" (30mm) Clamp jaw opening			

Size(HxWxD): 209mm x 43mm x 30mm
Weight: 200g

Accessories:

Test leads, holster, gift box with carrying case, 9V battery

DT-9810 Mini AC Leakage Current Tester



CE

EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Model 9810

- Shielded transformer jaw opens to 1.2"
- 100μA high resolution
- Least affected by external magnetic field, providing wide measuring range from very small to large current
- Designed to safety standard IEC 61010-2-032: over-voltage CAT.III, 300V and pollution degree 2.
- Data hold function to allow for easy reading in dimly lit or hard-to-reach locations
- Dynamic range of 2000 counts full scale
- Auto power off

Specifications

Function	Resolution	Basic Accuracy
200mA	0.1mA	± (2.5% + 8d)
2A	1mA	± (2.5% + 8d)
200A	0.1A	± (2.5% + 8d)

Size(HxWxD): 182mm x 61mm x 34mm
Weight: 225g

Accessories:

Gift box with carrying case and 9V battery

Features

Large transformer jaws of 68mm diameter makes it possible to clamp on all three or four wires (3 phases) together for leakage current measurement.
Frequency filter switch to eliminate the effect of the harmonics.
Measurement from mA up to AC 1000A
True RMS enables an accurate measurement for distorted waveforms.
Peak hold function
Data hold function: Allows for easy reading in dimly light or hard-to-reach locations
Large LCD display with backlight
International safety standard IEC61010-1 CAT.III 600V

Specifications

Function	Range	Range	Accuracy(50/60Hz)	Accuracy(40~1kHz)
AC Current	200mA	0.1mA	±(1.5%+10d)	±(3.0%+10d)
	2A	1mA	±(1.5%+10d)	±(3.0%+10d)
	20A	10mA	±(1.5%+10d)	±(3.0%+10d)
	200A	100mA	±(2.0%+10d)	±(3.5%+10d)
	1000A	1A	±(5.5%+10d)	±(10%+10d)
AC Voltage	600V	0.1V	±(1.0%+5d)	
DC Voltage	600V	0.1V	±(1.0%+5d)	
Resistance	600Ω	0.1Ω	±(1.0%+5d)	
Continuity test	Threshold 40Ω, Continuity Beeper 2KHz			
Conductor size	Φ68mm max.			
Frequency response	40Hz-1kHz			
Effect of external stray magnetic field Φ15mm 100A	10mA AC max.			
Applicable standards	IEC 61010-1 CAT.III 600V IEC 61010-2-032			

Size(HxWxD): 250mm x 113mm x 45mm
Weight: 490g

Accessories:

Gift box with carrying case and 9V battery, Test leads.

DT-3355 Earth Ground Clamp Meter

Features

Large LCD display with backlight
Span of Jaw: 28mm for a long jaw; 32mm for a round jaw:
Protection Level: Double insulation
Structural Feature: In the jaw way
Range Shift: Automatic
External Magnetic Field: 40A/m
External Electric Field: 1V/m
Single Measuring Time: 1 second
Measurement Resistance Frequency: 1kHz
Maximum Resistance Measurement Resolution: 0.001 Ω
Resistance Measurement Range: 0.01-1000 Ω

Specifications

Function	Max Range	Max. Resolution	Basic Accuracy
Resistance	0.01~1000Ω	0.001Ω	±(1.0%+10d)
Current	0 ~ 20 A	1mA	±(2.5%+2d)

Size(HxWxD): 288mm x 100mm x 95mm
Weight: 1154g (for long jaw); 1120g (for round jaw).

Accessories:

Gift box with carrying case and 9V battery.



CE

EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Model 9812



CE

EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Model 3355



CP-03C AC/DC Clamp-on adaptor with bluetooth interface

CP-03A/CP-03B High Resolution AC, AC/DC Clamp-on Adaptors. Providing non-invasive Current measurements to 4A with resolution to 1mA for AC, DC/AC Current. The adaptors are perfect for low current automotive, industrial control or appliance repair. CP-03C AC/DC Clamp-on adaptor with bluetooth interface.

Specifications

Function	Range	Output	Sensitivity	Basic Accuracy	CP-03A	CP-03B/03C
Current	4A	100mV/A	0.01A/mV AC	±(2.5%+0.06A)	AC	
	40A	10mV/A	0.1A/mV DC/AC	±(2.5%+0.03A)	AC	DC/AC
	400A	1mV/A	1A/mV DC/AC	±(2.8%+0.03A)	AC	DC/AC
Clamp jaw opening					1.2" (30mm)	
Non-contact voltage detector					50-600VAC	



EMC & LVD
EN: 50081-1, 50082-1
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Size(HxWxD): 150mm x 58mm x 35mm
Weight: 205g
Accessories:
Test leads, 9V battery and clamshell

CP-09 Smaller sized, convenient-to-use AC current clamp-on Adaptor

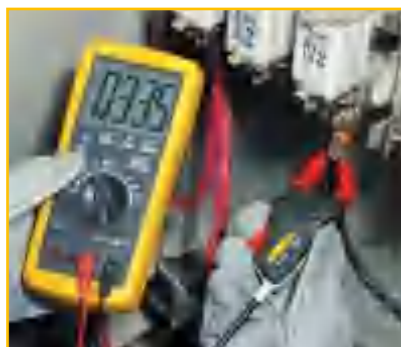
CP-09 is the ideal tool to extend the current ranges for all Multimeters. The CP-09 is a 200A AC current clamp-on Adaptor with voltage output via a standard banana inputs to be connected to multimeters.

Specifications

Function	Range	Output	Sensitivity	Basic Accuracy
Current AC	200A	1mV/A	1A/mV AC	±2%
0.7" (18mm) Clamp jaw opening				

Size(HxWxD): 80mm x 66mm x 31mm
Weight: 80g

Accessories:
Test leads and clamshell



Model CP-09



EMC & LVD
EN: 50081-1, 50082-1
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033

CP-12/CP-1000

AC/DC Clamp-on Adaptors



Model CP-1000

Model CP-12



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033

The CP-12/1000 are compatible with any Test Tool, Power Harmonics Analyzer, Oscilloscope, Multimeter, or other voltage measurement device.



- CP-12 AC Clamp-on Adaptor provides non-invasive Current measurements to 10A with resolution to 10mA for AC Current.
- CP-1000 is an AC/DC Clamp-on Adaptor.

Specifications

Function	Range	Output	Sensitivity	Basic Accuracy	CP-12	CP-1000
Current ACA/DCA	10A	1mV/100mA	0.1A/mV DC	±(3.0%+0.06A)	AC	
	100A	1mV/A	1A/mV DC	±(3.5%+0.03A)	AC	
	600A	0.1mV/A	10A/mV DC	±(3.0%+0.03A)		AC/DC
	1000A	0.1mV/A	10A/mV DC	±(3.0%+0.03A)	AC	AC/DC
Clamp jaw opening: 1.2" (30mm)						

Size(HxWxD): 229mm x 80mm x 49mm
Weight: 303g

Accessories:
Test leads, gift box with carrying case and 9V battery.

CP-10/11 High Resolution Mini AC/DC Clamp-on Adaptors

The CP-10/11 are compatible with any Test Tool, Power Harmonics Analyzer, Oscilloscope, Multimeter, or other voltage measurement device.

- 0.5" (12.5mm) Clamp jaw opening (CP-10)
- 0.9" (23mm) Clamp jaw opening (CP-11)



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033

Specifications

Function	Range	Output	Sensitivity	Basic Accuracy	CP-10	CP-11
Current	2A	100mV/A	0.01A/mV AC/DC	±3.5%	*	
	AC/DC	80A	10mV/A	1A/mV AC/DC	±3.5%	*
	40A	10mV/A	0.1A/mV AC/DC	±3.5%		*
	400A	1mV/A	1A/mV AC/DC	±3.5%		*

Size(HxWxD): 190mm x 70mm x 40mm

Weight: 200g

Accessories:

Test leads, gift box with carrying case and 9V battery.



Model CP-10

Model CP-11

AC-008/008S Line Splitter

Measuring AC current on a 2-wire or 3-wire power cord to 15A. Providing easy and safe measurements of current without the need to separate the conductors. Plugging the power connector into the line splitter separates the hot/live conductor from the neutral. Features voltage check function.



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033

Size(HxWxD): 210mm x 48mm x 38mm
Weight: 230g

Accessories: gift box with carrying case.



Model AC-008S

Model AC-008

Three-phase Power Quality Analyzer with InfraRed Thermal Imager



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



7760 Three-phase Power Quality and Energy Analyzer with InfraRed Thermal Imager offers the best power quality analysis and the ability to monetarily quantify energy losses. It can measure voltage, current, frequency, power, power energy flicker, harmonics and inter-harmonics etc. 7760 helps locate, predict, prevent, and troubleshoot power quality problems in three-phase and single-phase power distribution systems.

Features:

- Built-in Thermal Imager design quickly identifies hot spots without contact
- 80x80 Infrared resolution
- Bluetooth BLE instant share function
- Power inverter efficiency
- Power wave data capture
- Waveform capture
- Automatic transient mode
- Fully Class-A compliant
- Mains signaling
- 50/60Hz measurement
- Troubleshoot
- Highest safety rating in the industry
- Measure all three phases and neutral
- Automatic trending
- System-Monitor
- Logger function
- View graphs and generate reports

Size(HxWxD): 240mm x 160mm x 100mm

Weight: 1.2kg

Accessories :

ACA current clamp sensor, USB cable, Software and gift box.

Thermal Imager Specifications

IR resolution	80x80 pixels
Field of View (FOV)	21° x 21°
Thermal sensitivity/NETD	< 0.08°C /80mK
Image frequency	50Hz
Object temperature range	-20 to 260°C (-4 to 500°F)
Spectral range	8-14 μm
Color palettes	Iron/Rainbow/Grey/Grey Inverted
Accuracy	±2°C (±3.6°F) or ±2% of reading

Three-phase Power Quality and Energy Analyzer Specifications

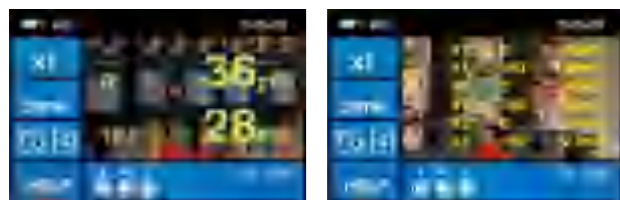
	Range	Resolution	Accuracy
Volt			
Vrms (AC+DC)	1V to 1000V phase to neutral	0.1V	± 0.5% of nominal voltage
Vpk	1Vpk to 1400 Vpk	1V	5% of nominal voltage
Voltage Crest Factor (CF)	1.0 > 2.8	0.01	±5 %
Amps (accuracy excluding clamp accuracy)			
Amps (AC +DC)	0.5A to 6000A	0.1A	± 0.5% ± 5counts
Apk	8400 Apk	1 Arms	± 5%
A Crest Factor (CF)	1 to 10	0.01	± 5%
Hz			
Hz	42.500 Hz to 460 Hz	0.001 Hz	± 0.01Hz
Watts (VA, var)	max 6000 MW,	0.1W to 1MW	± 1% ± 10counts
Power factor	0 to 1	0.001	± 0.1% @ nominal load conditions
Harmonics			
Harmonic order (n)	DC, 1 to 50 Grouping: Harmonic groups according to IEC 61000-4-7		
Inter-harmonic order (n)	OFF, 1 to 50 Grouping: Harmonic and Interharmonic subgroups according to IEC 61000-4-7		
Volts	0.0 % to 100 % (%f)	0.1%	± 0.1% ± n x 0.1%
	0.0 to 1000 V (Absolute)	0.1V	± 5%
Amps	0.0 % to 100 % (%f)	0.1%	± 0.1% ± n x 0.1%
	0.0 to 600A (Absolute)	0.1A	± 5% ± 5counts
Watts	0.0 % to 100 % (%f or %gr)	0.1%	± n x 2%
	Depends on clamp scaling and V nominal (Absolute)		± 5% ± n x 2% ± 10counts
Phase Angle	-360° to +0°	1°	± n x 1°
Flicker			
Plt, Pst, Pst(1min) Pinst	0.00 to 20.00	0.01	± 5%
Unbalance			
Volts	0.0% to 20.0%	0.1%	± 0.1%
Amps	0.0% to 20.0%	0.1%	± 1%
Inrush mode	Arms(AC+DC)		
Memory	Screens & data		

Multifunction Installation Tester

6650/6651/6652 rugged Multifunction Installation Tester with 3.5" TFT color LCD display, provides insulation resistance, earth resistance, loop impedance, voltage, RCD, PFG and PSC testing. It is designed for software system and ensure the safety of electrical installations in domestic, commercial and industrial applications. 6650 series can ensure the fixed wiring is safe and correctly installed. It's fast sampling and dual display, clear symbols and exceptionally wide viewing angle are for easy and safe readings.



Test probe with test button design



Combined reading on the images



Safety design with sliding shield plate to avoid the electric shock

Features

	6650	6651	6652
Camera function with Wireless Image Transmitter (650T)		*	
3-Phase quality power analyzer			*
3.5" TFT color LCD display with 320x240 pixels	*	*	*
Fast high current loop test	*	*	*
Variable RCD current mode for customized settings	*	*	*
PASS/FAIL indication for RCD tests	*	*	*
Select voltage measurement between L-N, L-PE and N-PE	*	*	*
Support SD memory and USB and Bluetooth interface	*	*	*
Internal memory	*	*	*
Safe Earth Volt Touchpad detects raised earth voltages >50 V, indicating potential dangerous situations.	*	*	*
Slim probes designed with test button	*	*	*
For easy, always reliable and accurate compensation of test leads and mains cords.	*	*	*
Bluetooth interface	*	*	*



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Model 650T
Wireless Image Transmitter (Option)

Model 6651



Model 6650



Model 6652



Size(HxWxD): 220mm x 96.5mm x 60.5mm
Weight: 631g
Accessories:
Test leads, 8 x 1.5V "AA" batteries,
USB cable and Software, gift box with carrying case.

Specifications (6650/6651/6652)

Insulation					
Terminal Voltage	Range	Max Resolution	Accuracy	Test Current	Short circuit current
125V (0% ~ +10)	0.125~4000MΩ	0.001MΩ	±(2%+10)	1mA@load 125kΩ	≤1mA
250V (0% ~ +10)	0.250~4000MΩ	0.001MΩ	±(2%+10)	1mA@load 250kΩ	≤1mA
500V (0% ~ +10)	0.500~4000MΩ	0.001MΩ	±(2%+10)	1mA@load 500kΩ	≤1mA
1000V (0% ~ +10)	1.000~4000MΩ	0.001MΩ	±(3%+10)	1mA@load 1MΩ	≤1mA
Low OHM					
Range	Resolution	Accuracy	Max. open Circuit Voltage	Overload Protection	
4.000Ω	0.001Ω	±(1.5%+30)	5.8V	250Vrms	
40.00Ω	0.01Ω	±(1.5%+3)			
400.0Ω	0.1Ω	±(1.5%+3)			
Continuity Beeper					
Range	Resolution	Operation Resistance	Max. open Circuit Voltage	Overload Protection	
Continuity	0.01Ω	Resistance≤35Ω	5.0V ±1VDC	250Vrms	
Short circuit current		≥200mA			
LOOP Resistance					
L-PE (Hi-Amp)					
Range (Ω)		Max. Resolution (Ω)		Accuracy	
0.00~999		0.01		±(4% of reading+6 digits)	
L-PE(No Trip): Measuring Current:15mA / Range of the Voltage Used:195V a.c.~260V a.c.(50,60Hz)					
Range (Ω)		Resolution (Ω)		Accuracy	
0.00~999		0.01		±(5% of reading+6 digits)	
L-N: Measuring Current:2.0A / Range of the Voltage Used:195V a.c.~260V a.c.(56,60Hz)					
Range (Ω)		Max. Resolution (Ω)		Accuracy	
0.00~999		0.01		±(4% of reading+4 digits)	
RCD Testing					
Test current			Accuracy		
x1/2, x1, x2, x5			1.5%~ -9%		
Voltage and Frequency					
Measurement Range (V)/ AC-DC		Resolution		Accuracy	
80~500V/(45~400Hz)		1V		±(2% of reading+2 digits)	
1-Phase quality power analyzer (6652)					
Power (P, S, Q)		0.00 W (VA, Var) ÷ 99.9 kW (kVA, kVar)			
Power factor		-1.00 ÷ 1.00			
Voltage harmonics		0.1 V ÷ 500 V			
Voltage THD / Current THD		0.1 % ÷ 99.9 %			
Current harmonics		0.00 A ÷ 199.9 A			

The Insulation Multimeter combines a digital insulation tester with a full-featured, compact and handheld unit, which provides maximum versatility for both troubleshooting and preventative maintenance.

- Wide range measurements from 125V to 1000V and up to 1000MΩ.
- Large 4000 counts digital display with bargraph and backlight.
- MAX/MIN, PEAK, Relative value & Data hold functions for DC/AC voltage measurements
- Polarization index measurement(PI).
- Auto ranging & Timer measurement function.
- Indication of output voltage and discharge voltage.
- Voltage output warning function.
- Auto power off and battery check.
- Safety standard IEC61010-1 CAT IV 600V



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Specifications

Function	Insulation resistance				Voltage		Resistance
	125V	250V	500V	1000V	AC/DCV	AC/DCmV	5VDC Output
Measuring range (Auto ranging)	0.125~1000MΩ	0.250~1000MΩ	0.500~1000MΩ	1.000~1000MΩ	0~600.0V (50~1kHz)	0~500.00mV (50~1kHz)	0~20.00Ω 20.0~200.0Ω 200~2000Ω
Accuracy	±3%rdg ±2dgt				±1.5%rdg ±5dgt		±1.5%rdg ±3dgt
Short Circuit Current	1mA approx				-		-
Rated test Current (at load Resistance)	1mA@ load 125kΩ	1mA@ load 250kΩ	1mA@ load 500kΩ	1mA@ load 1MΩ	-		-
Open circuit voltage	125VDC/+10%-0%	250VDC/+10%-0%	500VDC/+10%-0%	1000VDC/+10%-0%	-		-
Continuity check	Buzzer sounds at 50Ω						
Display	4000 Counts						
Current consumption	About 30mA						
Safety standard	IEC 61010-1 CAT IV 600V Pollution Degree 2						
Power supply	DC12V : 8 x 1.5V“AA” batteries						
Accessories	Test leads, Instruction Manual and 120V/250V AC adaptor						

Size(HxWxD): 220mm x 96.5mm x 60.5mm Weight: 631g Accessories: Test leads, 8 x 1.5V“AA” batteries, gift box with carrying case.

DT-6611 LOOP/PSC Tester



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Specifications

Measurement specifications	Range	Resolution	Accuracy
Loop Impedance	0.05...1999Ω	0.01...1Ω	±(5%rdg,+5Digits)
Resistance neutral connector	0.05...19.99Ω	0.01Ω	±(5%rdg,+5Digits)
Resistance phase connector	0.05...19.99Ω	0.01Ω	±(5%rdg,+5Digits)
Resistance earth connector	0.05...1999Ω	0.01...1Ω	±(5%rdg,+5Digits)
Prospective short circuit current	0...20KA	1A	±(5%rdg,+5Digits)
Voltage	0...440V	1V	±(3%rdg,+3Digits)
Mains frequency	10...200Hz	0.1Hz	±(1%rdg,+3Digits)
Contact voltage	25V/50V(selectable)		

DT-6612 RCD Tester



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Specifications

	Range	Resolution	Accuracy
Nominal test current	10/30/100/500mA/1A		(-0%+10%)+6Digits
Current selection	0.5 x, 1x, 5 x nominal current		
Trip time	2000 ms at 0.5 x, 1x 50 ms at 5x	1ms	±(2%rdg,+2Digits)
Ramp test	0.4 x to 1.4 times		10 %
Mains voltage	230V	1V	+10%/-10%

The Insulation Multimeter combines a digital insulation tester with a full-featured, True RMS digital multimeter in a single, compact and handheld unit, which provides maximum versatility for both troubleshooting and preventative maintenance.



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Model 9985B

Features

	9985	9985B/9985RF	9986
Save both time and money with Automatic calculation of Polarization Index and Dielectric Absorption Ratio			*
Slim probes designed with test button		9985B	
200 mA Continuity			*
Compare function (pass/fail) for fast repetitive tests			*
Insulation test voltages 125V, 250V, 500V, 1000V	*	*	*
Insulation test: 0.001MΩ to 4000MΩ	*	*	*
Auto discharge of capacitive voltage	*	*	*
Insulation test smoothing reading	*	*	*
Min/Max function	*	*	*
K-type thermocouple	*	*	*
Rugged, utility hard case	*	*	*
Auto power off to save battery power	*	*	*
True-RMS	*	*	*
Large LCD display with backlight	*	*	*
CAT III 1000V, CAT IV 600V measurement category	*	*	*
IP67 Waterproof and Auto Power Off	*	*	*
Wireless USB interface		*	*

Specifications (9985/9985B/9985RF/9986)

Multimeter			
Function	Max Range	Resolution	Basic Accuracy
DC Voltage	1000V	0.1V	±(0.06% reading + 4digits)
AC Voltage	1000V	0.1V	±(1.0% reading + 30 digits)
DC Current	10A	0.001A	±(1.0% reading + 3 digits)
AC Current	10A	0.001A	±(1.5% reading + 30digits)
Resistance	40MΩ	0.0001MΩ	±(0.3% reading + 4 digits)
Frequency	40MHz	0.01MHz	±(0.1% reading + 1 digits)
Duty Cycle	0.1 to 99.90%	0.01%	±(1.2% reading + 2 digits)
Temperature	-50 to 1200°C	0.1°C	±(1.0% reading + 2.5°C)
	-58 to 2192°F	0.1°F	±(1.0% reading + 4.5°F)
4-20mA%	-25 to 125%	0.01%	±50 digits

Insulation					
Terminal Voltage	Range	Resolution	Accuracy	Test Current	Short circuit current
125V(0%~10%)	0.125~4.000MΩ	0.001MΩ	±(2%+10)	1mA @load125kΩ	≤1mA
	4.001~40.00MΩ	0.01MΩ	±(2%+10)		
	40.01~400.0MΩ	0.1MΩ	±(4%+5)		
	400.1~4000MΩ	1MΩ	±(5%+5)		
250V(0%~10%)	0.250~4.000MΩ	0.001MΩ	±(2%+10)	1mA @load250kΩ	≤1mA
	4.001~40.00MΩ	0.01MΩ	±(2%+10)		
	40.01~400.0MΩ	0.1MΩ	±(3%+5)		
	400.1~4000MΩ	1MΩ	±(4%+5)		
500V(0%~10%)	0.500~4.000MΩ	0.001MΩ	±(2%+10)	1mA @load1500kΩ	≤1mA
	4.001~40.00MΩ	0.01MΩ	±(2%+10)		
	40.01~400.0MΩ	0.1MΩ	±(2%+5)		
	400.1~4000MΩ	1MΩ	±(4%+5)		
1000V(0%~0%)	1.000~4.000MΩ	0.001MΩ	±(3%+10)	1mA @load1MΩ	≤1mA
	4.001~40.00MΩ	0.01MΩ	±(2%+10)		
	40.01~400.0MΩ	0.1MΩ	±(2%+5)		
	400.1~4000MΩ	1MΩ	±(4%+5)		

Size(HxWxD): 220mm x 96.5mm x 60.5mm

Weight: 631g

Accessories:

Test leads, 6x1.5V“AAA” batteries, Type K temperature probe, USB cable and Software(9985RF/9986), gift box with carrying case.



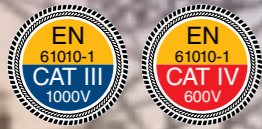
Model 9985RF

Insulation Tester & High Resolution Micro-ohm Meter with True RMS InfraRed Thermal Image Multimeter

- Insulation Tester
- High Resolution Micro-ohm Meter
- True RMS InfraRed Thermal Image Multimeter
- Built-in Thermal Imager design quickly identifies hot spots without contact

Safety Conformance

- EN61010-1 CAT IV 600V, CAT III 1000V
- 1000V input protection on all ranges



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Model DT-320BS
3000A AC Flexible clamp (optional)



- TFT color LCD display
- PC Calibration

- Insulation Tester
- High Resolution Micro-ohm Meter
- True RMS InfraRed Thermal Image Multimeter



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



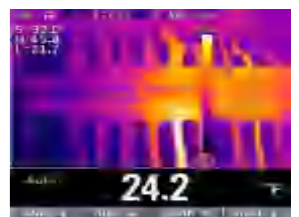
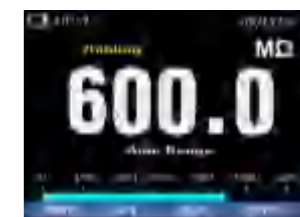
Model 6509

Features

	6508	6509
Built-in Thermal Imager design quickly identifies hot spots without contact		*
Large 240 x 320 3.5" TFT color 6000 counts LCD display	*	*
Insulation test voltages 125V, 250V, 500V, 1000V	*	*
Insulation test: 0.001MΩ to 60.00GΩ	*	*
Polarization index measurement (PI)	*	*
1 uΩ High resolution micro-ohm meter	*	*
Logging function with Trend Capture for easy review of logged data	*	*
Low pass filter for accurate measurement of variable frequency drive (VFD) signals	*	*
AC, AC+DC true-RMS measurements & 1kHz ACV, ACA bandwidth	*	*
3000A Flexible Coil Current Measurements (Optional)	*	*
A/D convert fast sampling time: 10 Times/sec.	*	*
Peak capture (records transients as fast as 500µs)	*	*
Min/Max/Average with Time stamp (records signal fluctuations)	*	*
MicroSD memory card	*	*
Support capture screen capabilities	*	*
Bluetooth BLE instant share function	*	*
Easy to view and analyze images quickly	*	*

Specifications

Thermal Imager (6509)			
IR resolution	80x80 pixels		
Field of View (FOV)	21° x 21°		
Thermal sensitivity/NETD	< 0.1°C@ +30°C(+86°F)/100mK		
Image frequency	50Hz		
Object temperature range	range: -20 to 260°C (-4 to 500°F)		
Focus mode/ Focal length	Focus free/ 7.5mm		
Spectral range	8-14 µm		
Color palettes	IRON/Rainbow/Grey/Grey Inverted		
Accuracy	±3°C (±5.4°F) or ±3% of reading (Environment temperature 10°C-35°C, object temperature >0°C.)		
True RMS Multimeter Functions (6508/6509)			
Function	Max. Range	Max. resolution	Best Accuracy
Voltage DC	1000V	100mV	±(0.09% + 5)
Voltage AC	1000V	100mV	±(0.8% + 5)
Current DC	10A	0.1µA	±(0.9% + 5)
Current AC	10A	0.1µA	±(1.2% + 5)
Resistance	60MΩ	0.1Ω	±(0.5% + 5)
Capacitance	6000µF	0.01nF	±(1.2% + 8)
Frequency (electrical)	10kHz	0.01Hz	±(0.09% + 5)
Diode and Continuity	Yes		
Power Supply	6 hours Li-ion rechargeable battery; AC Adaptor/charger		
Insulation Tester (6508/6509)			
Terminal Voltage	Range	Max. Resolution	Accuracy
125V(0%~10%)	0.125~60.00GΩ	0.001MΩ	±(2%+10)
250V(0%~10%)	0.250~60.00GΩ		±(2%+10)
500V(0%~10%)	0.500~60.00GΩ		±(2%+10)
1000V(0%~0%)	1.000~60.00GΩ		±(3%+10)
Micro-ohm Meter			
Resistance	60mΩ	1µΩ	±(0.25% + 25µΩ)
	600mΩ	10µΩ	±(0.25% + 250µΩ)
	6Ω	100µΩ	±(0.25% + 2.5mΩ)
	60Ω	1mΩ	±(0.25% + 25mΩ)



Size(HxWxD): 97mm x 210mm x 68mm Weight: 634g
Accessories: Test leads, Li-ion batteries, Type K temperature probe, Software, gift box with carrying case.

The Insulation and Low Ohm Multimeter combines a digital insulation tester with a full-featured, True RMS digital multimeter in a single, compact and handheld unit, which provides maximum versatility for both troubleshooting and preventative maintenance.



Model 6505



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Features

- Rugged, utility hard case
- Auto power off to save battery power
- True-RMS
- Data logged
- Low pass filter for accurate measurement of variable frequency drive (VFD) signals
- CAT III 1000V, CAT IV 600V measurement category
- Bluetooth interface
- Save both time and money with Automatic calculation of Polarization Index and Dielectric Absorption Ratio
- Slim probes designed with test button
- 200 mA Continuity & Low Ohm range measurement
- Compare function (pass/fail) for fast repetitive tests
- Insulation test voltages 125V, 250V, 500V, 1000V
- Insulation test: 0.001MΩ to 5000MΩ
- Auto discharge of capacitive voltage
- Insulation test smoothing reading
- K-type thermocouple

Specifications

Multimeter				
Function	Max Range	Max Resolution	Basic Accuracy	
DC Voltage	1000V	0.1V	±(0.06% reading + 4digits)	
AC Voltage	1000V	0.1V	±(1.0% reading + 9digits)	
DC Current	10A	0.001A	±(1.0% reading + 3digits)	
AC Current	10A	0.001A	±(1.5% reading + 9digits)	
Resistance	50MΩ	0.001MΩ	±(0.3% reading + 4digits)	
Capacitance	5000μF	0.1μF	±(3.5% reading + 10digits)	
Frequency	50MHz	0.001MHz	±(0.1% reading + 1digits)	
Duty Cycle	0.1 to 99.90%	0.01%	±(1.2% reading + 2 digits)	
Temperature	-50 to 1200°C	0.1°C	±(1.0% reading + 2.5°C)	
	-58 to 2192°F	0.1°F	±(1.0% reading + 4.5°F)	
Insulation Tester				
Terminal Voltage	Range	Max Resolution	Accuracy	Test Current
125V(0%~10%)	0.125~5000MΩ	0.001MΩ	±(2%+10)	1mA @load125kΩ
250V(0%~10%)	0.250~5000MΩ	0.001MΩ	±(2%+10)	1mA @load250kΩ
500V(0%~10%)	0.500~5000MΩ	0.001MΩ	±(2%+10)	1mA @load1500kΩ
1000V(0%~0%)	1.000~5000MΩ	0.001MΩ	±(2%+10)	1mA @load1MΩ
Low Ohm Meter				
Resistance	Range	Resolution	Accuracy	Max. open Circuit Voltage
	0.000~5.000Ω	0.001Ω	±(1.5% + 30)	5 ±1V
	5.00~50.00Ω	0.01Ω	±(1.5% + 3)	
	50.0~500.0Ω	0.1Ω	±(1.5% + 3)	
500~2000Ω	1Ω	±(1.5% + 5)		

Size(HxWxD): 97mm x 210mm x 68mm Weight: 634g

Accessories: Test leads, 6 x1.5V“AAA” batteries, Type K temperature probe and Software, gift box with carrying case.



3700 Battery Analyzer is ideal test tool for maintenance, troubleshooting and performance testing of individual stationary batteries and battery banks used in critical battery back-up applications. 3700 Battery Analyzers cover a broad range of battery test functions ranging from DC voltage and resistance tests to full condition testing using an automated string function testing and the test probe integrated infrared temperature measurement system. 3700 Battery Analyzer is designed for measurements on stationary batteries of all types.



Model 3700



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Features

- Key measurements: Battery resistance, DC and AC voltage, DC and AC current, ripple voltage, frequency and battery temperature
- Sequence measurement mode: Automatic or manual sequence testing of battery strings with automatic measurement storage including voltage, resistance and temperature
- Comprehensive logging: All measured values are automatically captured during testing and can be reviewed on the instrument before downloading for on-the-go analysis
- Optimized user interface: Quick, guided setup ensures the right data is captured every time, and the combined visual and audio feedback cues reduce the risk of measurement confusion
- Safety CAT III 1000V, CAT IV 600V

Specifications

Function	Max Range	Max Resolution	Basic Accuracy
Battery resistance	3mΩ	0.001 mΩ	1 % + 8
	30mΩ	0.01 mΩ	0.8 % + 6
	300mΩ	0.1 mΩ	0.8 % + 6
	3000mΩ	1 mΩ	0.8 % + 6
DC V	6V	0.001V	0.09 % + 5
	60V	0.01V	0.09 % + 5
	600V	0.1V	0.09 % + 5
	1000V	1V	0.09 % + 5
ACV (45 Hz to 500 Hz with 800 Hz filter)	600V	0.1V	2 % + 10
Frequency (displayed with AC V and AC A)	500Hz	0.1Hz	0.5 % + 8
AC voltage ripple (20 KHz Max)	600mV	0.1mV	3 % + 20
	6000mV	1V	3 % + 10
Temperature	0 °C to 60 °C	1 °C	2 °C (4 °F)
Meter mode	999 records for each measurement position with time stamp		
Sequence mode	Up to 100 profiles and 100 profile templates (Each profile stores up to 450 batteries) with time stamp		

Size(HxWxD): 97mm x 210mm x 68mm Weight: 586g

Accessories:

Test leads, 6x1.5V“AAA” batteries, Type K temperature probe and Software, gift box with carrying case.





EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033

- Double molded plastic housing
- CAT III 1000V

Large dual LCD display with bargraph

When doing power installation, 5505 can provide some special help. When doing insulation test, it can provide 125V, 250V, 500V and 1000V source for the test and under each range it can supply more 1mA current to feed the capacitance load. With the auto-range function, it can measure up to 4000 MegaOhm with the resolution of 1Kohm. These characteristics are also specified in the safety regulations in CE document.

- Auto-discharge of capacitive voltage for added user protection
- Live circuit detection prevents insulation test if voltage >30V is detected for added user protection
- Min/Max recording & Data Hold
- 1mA test current for MegOhm range at rated voltage
- 200mA short current for continuity range
- Additional test voltages 125V, 250V, 500V, 1000V



Model 5505

Features	
Meets IEC10101, CATIII 1000V	
Large dual display with analog bargraph & backlight	
Test hold & lock function for easy operation	
Easy to carry testing package	
Over range Indication	
Low Battery Indication	
Includes 6 AA batteries, test leads and plastic carrying case	

Specifications			
	Range	Max Resolution	Basic accuracy
Voltage AC	750V	1V	±1.2%rdg ±10dpts
Voltage DC	1000V	1V	±0.8%rdg ±3dpts
Resistance	40Ω, 400Ω	0.01Ω, 0.1Ω	±1.5%rdg ±6dpts
Insulation Resistance	4M, 40M, 400M, 4000MΩ	1kΩ~1MΩ	±2.0%rdg ±6dpts
Test Voltage & Current	125V/250V/500V/1000V & 1mA nominal		
Continuity Test	Active Sound Level: ≤40Ω, Test current ≤200mA		
Operating Temp	0°C~40°C(<80%R.H.)		
Storage Temp	-10°C~60°C(<70%R.H.)		
Power Source	1.5V "AA" size Battery x 6		



Accessories:
Test leads, "AA" Battery x 6 and gift box with carrying case.

Size(HxWxD): 200mm x 92mm x 50mm
Weight: 582g



- 1mA test current for MegOhm range at rated voltage
- 200mA short current for continuity range

Features			
	5500	5520	5530
Meets IEC10101, CATIII 1000V	*	*	*
Large dual display with backlight	*	*	*
Test hold function for easy operation	*	*	*
Easy to carry testing package	*	*	*
Over range indication	*	*	*
Low battery indication	*	*	*
Measurement range(Ω)	200M/2000M	20M/200M/2000M	20M/200M/2000M

Specifications			
	Range	Max Resolution	Accuracy
Voltage AC	750V	1V	±1.2%rdg ±10dpts
Voltage DC	1000V	1V	±0.8%rdg ±3dpts
Resistance	200Ω, 2000Ω	0.1Ω, 1Ω	±1%rdg ±2dpts
Insulation Resistance	200MΩ, 2000MΩ	100kΩ~1MΩ	±3.5%rdg ±5dpts
	20MΩ(5520 only)	10kΩ	±3.5%rdg ±5dpts
Test Voltage	250V-200MΩ/500V-200MΩ/1000V-2000MΩ, (500V-20MΩ only 5520)		
Continuity Test	Active Sound Level: ≤40Ω, Test current ≤200mA		
Operating Temp	0°C~40°C(<80%R.H.)		
Storage Temp	-10°C~60°C(<70%R.H.)		
Power Source	1.5V "AA" size Battery x 6		



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



- Double molded plastic housing
- CAT III 1000V



Size(HxWxD): 200mm x 92mm x 50mm
Weight: 582g



Model 5500

Accessories:
Test leads, "AA" Battery x 6 and gift box with carrying case.

DT-5503 Analogue Insulation Tester

The 5503 is a highly compact and easy to use Insulation and Continuity Tester. The instrument offers three insulation test ranges: 250V, 500V and 1000V, a 3Ω continuity range and a 500Ω resistance range. This meter is not only equipped with a "Live Circuit Warning" but also displays the actual AC voltage measurements of the mains supply.

Specifications	
DC Test Voltage	250V 500V 1000V
Measuring Ranges (Mid-Scale Value)	0-100MΩ(1MΩ); 0-200MΩ(2MΩ); 0-400MΩ(4MΩ)
Rated Current	1mA DC+20%, -0%
Output short Circuit Current	1.3mA DC approx
Accuracy Guaranteed Ranges	0.05-10MΩ ±5%; 0.1-20 Ω ±5%; 0.2-40MΩ ±5%;
Accuracy	±7% of Scale length at ranges other than above ranges

Continuity Test Ranges	
Accuracy	±1.5% of Scale Length
Open Circuit Voltage Output	4.1VDC (Approx)
Short Circuit Current Output	210mA Min

AC Voltage Warning	
AC Voltage Range	0-600V AC for 30 seconds
Accuracy	±5% of Scale Length
Input Impedance	1.2MΩ

General	
Withstand Voltage	7400V AC 50Hz or 60Hz for one minute between electrical circuits and housing case
Safety Standards	IEC 61010-1 CAT III

Size(HxWxD): 200mm x 92mm x 50mm
Weight: 546g

Accessories:
Test leads, "AA" Battery x 6 and gift box with carrying case.



Model 5503



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033

- Double molded plastic housing
- CAT III 1000V

Features	
Meets IEC10101, CATIII 1000V	
Large dual display with backlight & Low Battery Indication	
Test hold function for easy operation	
Zero Automatic adjustment	
Sampling Rate: 2.5 times per second	
Includes 6 "AA" batteries, test leads and carrying case	

Specifications			
	Range	Max Resolution	Accuracy
Earth resistance	10Ω	0.01Ω	±2%rdg ±0.1Ω
	100Ω	0.1Ω	±2%rdg ±3dpts
	1000Ω	1Ω	±2%rdg ±3dpts
Voltage AC	750V	1V	±1.2%rdg ±10dpts
Voltage DC	1000V	1V	±0.8%rdg ±3dpts
Resistance	200kΩ	0.1kΩ	±1.0%rdg ±2dpts
Continuity Test	Active Sound Level: ≤40Ω, Test current ≤200mA		
Operating Temp	0°C-40°C(<80%R.H.)		
Storage Temp	-10°C-60°C(<70%R.H.)		
Power Source	1.5V "AA" battery x 6		

Size(HxWxD): 200mm x 92mm x 50mm
Weight: 582g
Accessories: Test leads and "AA" Battery x 6, Rubber holster, 4-wire cable and iron rod x 2, gift box with carrying case.



Model 5300B

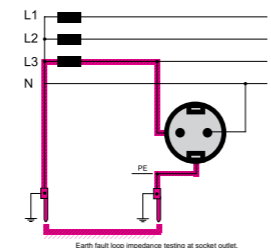
DT-5301
LOOP/PSC Tester

- Custom microprocessor controlled for highest accuracy and reliability
- 3 LEDs for checking correct wiring status
 - 15mA LOOP measurement: LOOP impedance 2000Ω range measurement is carried out with low test current(15mA)
 - Direct reading of Prospective Short Circuit Current(PSC)
 - Safe voltage measurement function
 - Large custom digital display readout on all models
 - Measure low loop resistance(resolution of 0.01Ω)
 - Automatic lock-out if test resistor overheats
 - Visual indication of reversed phase and neutral wiring at socket

- Double molded plastic housing
- CAT III 600V



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Specifications		
	Max Resolution	Accuracy
Loop Impedance	20/200/2000Ω	±2.5% rdg ±4dpts
AC Test Current	20Ω 25A; 200Ω 2.3A; 2000Ω 15mA	±2%rdg ±5dpts
AC Test Period	20Ω 20ms; 200Ω 40ms; 2000Ω 280ms	±2%rdg ±5dpts
PSC	200A (2.3A 40ms); 2000A(25A 20ms); 20KA (25A 20ms)	Consider accuracy impedance
Voltage	50V ~ 250V	±2%rdg ±5dpts
Resistance	0.1kΩ	±1.0%rdg ±2dpts
Operating Voltage	230V + 10% - 15% (195V ~ 253V) 50Hz	
Safety Standard	IEC61010-1 CATIII 600V	

Size(HxWxD): 200mm x 92mm x 50mm
Weight: 582g
Accessories: Test leads and "AA" Battery x 6, gift box with carrying case.



Model 5301

DT-5554
RCD Tester



- Double molded plastic housing
- CAT III 1000V



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033

Custom microprocessor controlled for highest accuracy and reliability

- Safe voltage measurement function
- Large custom digital display readout on all models
- Visual indication of reversed phase and neutral wiring at socket

Specifications			
Measurement specifications	Ranges	resolution	accuracy
Nominal test current	10/30/100/500mA/1A		(-2%+10%)+6Digits
Current selection	0.5x, 1x, 2x, 5x nominal current		
Trip time	10-2000 ms at 0.5x	1 ms	±(2%rdg. + 2Digits)
	10-500 ms at 1x		
	10-150 ms at 2x		
	10-40 ms at 5x		
Ramp test	0.4x to 1.4 times nominal rated current		10%
Mains voltage	230(+10%/ -10%)V	1V	±(2%rdg. + 2Digits)

Size(HxWxD): 200mm x 92mm x 50mm
Weight: 582g
Accessories: Test leads and "AA" Battery x 6, gift box with carrying case.



Model 5554

DT-5302 DMM with Kelvin(4-wire) small resistance measurement

- Four terminal Kelvin measurement
- 4000 counts 3³/₄ digital LCD display with backlight
- High resolution to 0.1mΩ with test current to 200mA
- Low battery indication
- Over load protection on all ranges

- Double molded plastic housing
- CAT III 1000V

Features	
High accuracy, high resolution portable Milliohm Meter or field use	
Digital display 4000 counts	
Safety design	
Relative zero & Data Hold	
MAX/MIN recording mode	
Auto Power Off	
400mΩ Low Resistance & Wide 40mF capacitance range	
Diode Check & Continuity Test	

Specifications		
Function	Max. Range	Basic Accuracy
Low Resistance	400mΩ, 4Ω, 40Ω	±(1.0%+5d)
Voltage DC	1000 V	±(1.0%+2d)
Voltage AC	1000V	±(1.2%+5d)
Current DC	400mA	±(1.0%+2d)
Current AC	400mA	±(1.2%+5d)
Resistance	40MΩ	±(1.0%+5d)
Capacitance	40mF	±(3.0%+10d)

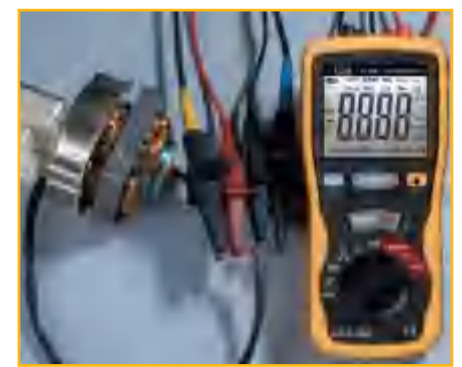
Size(HxWxD): 200mm x 92mm x 50mm
Weight: 582g
Accessories: Rubber holster, 4-wire cable and 6x1.5V "AA"battery, test leads, gift box with carrying case.



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Model 5302



- Wide range measurements from 500V to 5000V and up to 60GΩ.
- Large 6000 counts digital display with bargraph and backlight.
- Polarization index measurement(PI).
- Auto ranging & Timer measurement function.
- Indication of output voltage and discharge voltage.
- Auto-discharge function and voltage output warning function.
- Auto power off and battery check.
- MAX/MIN, PEAK, Relative value & Data hold functions for DC/AC voltage measurements
- Safety standard IEC61010-1 CAT IV 600V



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Model 6605

Specifications

Function	Insulation resistance				Voltage	Resistance
	500V	1000V	2500V	5000V		
Range	0~6.000MΩ	0~6.000MΩ	0~60.00MΩ	60~600.0MΩ	AC/DCV	0~600.0Ω
Measuring range (Auto ranging)	0~6.000MΩ	0~6.000MΩ	0~60.00MΩ	60~600.0MΩ	0~600.0V (50~1kHz)	0~600.0Ω
	6~60.00MΩ	6~60.00MΩ	60~600.0MΩ	60~600.0MΩ		
	60~600.0MΩ	60~600.0MΩ	0.6~6.000GΩ	0.6~6.000GΩ		
Accuracy	±5%rdg ±3dgt ; ±20% (>6GΩ or more)				±1.5%rdg ±5dgt	±1.5%rdg ±10dgt
Short Circuit Current	1.3mA approx				-	-
Rated test Current (at load Resistance)	1mA-1.2mA	1mA-1.2mA	1mA-1.2mA	1mA-1.2mA	-	-
	0.5MΩ	1MΩ	2.5MΩ	5MΩ		
Open circuit voltage	500VDC/+20%-0%	1000VDC/+20%-0%	2500VDC/+20%-0%	5000VDC/+20%-0%	-	-
Continuity check	Buzzer sounds at 50Ω				-	-
Display	6000 Counts				-	-
Current consumption	About 1000mA (During measurement)				25mA approx.	-
Withstand voltage	5320V AC for 5 seconds				-	-
Safety standard	IEC 61010-1 CAT IV 600V Pollution Degree 2				-	-
Power supply	DC12V : R14 x 8				-	-
Dimension	198 (L) x 148 (W) x 86 (D) mm				-	-
Weight	1438g approx.				-	-
Accessories	Test leads, Instruction manual and 120V/250V AC adaptor				-	-

7750 Appliance Tester has been developed for measurements of the protective conductor resistance with compensation of the measuring line, insulating resistance, the protective conductor current, the contact current, the device leakage current, the leakage current of the applied part, and input voltage, input current, effective power and apparent power. It is for safety-related testing of electrical appliances in compliance with DIN VDE 0701-0702 and DIN VDE 0751-1



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Features:

- Measurement of the protective conductor resistance with compensation of the measuring line
- Measurement of the insulating resistance
- Measurement of the protective conductor current (alternative leakage current measurement, direct current measurement or differential current measurement method)
- Measurement of the contact current (alternative leakage current measurement, direct current measurement or differential current measurement method)
- Measurement of the device leakage current (alternative leakage current measurement, direct current measurement or differential current measurement method)
- Measurement of the leakage current of the applied part (alternative leakage current measurement or direct current measurement method)
- Functional test with measurement of input voltage, input current, effective power and apparent power
- Testing of IEC leads and extension cables



Model 7750

Specifications

	Range	Resolution	Accuracy	Internal resistance
Measurement of the alternative leakage current	0.050~25.000mA	0.001mA	At 230 V AC ±10% ±15% of the measured vaue	VDE 0701-0702 Ri 2k VDE 0751-1 Ri 1k
Measurement by means of the differential current measurement method	0.050~25.000mA	0.001mA	At 230 V AC ±10% ±15% of the measured vaue(from 100uA on) Manual / automatic pole reversal	VDE 0701-0702 Ri 2k VDE 0751-1 Ri 1k
Test socket(functional)	0.0~360V AC(50-60HZ)	0.1V	U(V) ±15% of the measured vaue	
	0.10~20A AC(50-60HZ)	0.01A	I(A) ±15% of the measured vaue	
	0~4000W 0~4000VA	1W 1VA	P(W) ±15% of the measured vaue S(VA) ±15% of the measured vaue	
Safety extra-low voltage (PELV,SELV) measurement by means of probe	0.1~360 V AC/DC	0.1V	At 230 V AC ±10% ±15% of the measured vaue	

LOW Ohm

	Range	Resolution	Accuracy	NOMINAL VALUES
LOW Ohm	0.00~20.00	0.01Ω	+(1.5%+5)	12.0V +1VDC
	RLO≤2.0Ω IN≥200mA	250Vrms		
	20.0~200.0Ω	0.1Ω		
	200~2000	1Ω		

Insulation Specifications

Terminal Voltage	Range	Resolution	Accuracy	Test Current	Short circuit current
1000V (0%~+10%)	1.000~4.000 MΩ	0.001MΩ	+(3%+10)	1mA @load1MΩ	≤1mA
	4.001~40.00 MΩ	0.01MΩ	+(2%+10)		
	40.01~400.0 MΩ	0.1MΩ	+(3%+2)		
	400.1~1000 MΩ	1MΩ	+(4%+5)		

Size(HxWxD): 410mm x 300mm x 171mm **Accessories :** Test leads, Software and gift box.

Weight: 2.8kg

DT-901 Phase Rotation indicator



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Model 901



The Phase Rotation Indicator is a handheld instrument designed to detect the rotary field of three-phase systems.

- 3 Phase indication
- Indication of phase rotation
- Clear LCD display
- No battery required

Features

Nominal voltage	40V to 690V AC
Frequency range	15 to 400Hz
Current pickup	1mA
Nominal test current(per phase)	1mA
Power supply	From unit under test
Electrical safety	IEC61010/EN61010; IEC61557-7/EN61557-7
Protection level	CATIII 600V
Type of protection	IP40
Operating temperature	0°C to 40°C

Size(HxWxD): 128mm x 68mm x 30mm
Weight: 185g

DT-902 Motor and Phase Rotation Indicator

The Motor and Phase Rotation Indicator is a handheld, battery-operated instrument designed to detect the rotary field of three-phase system and determine motor-rotation direction.

- Determine rotary field direction
- Non-contact rotary field indication
- Determine the motor connection
- Magnetic field detection



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Model 902



Size(HxWxD): 128mm x 68mm x 30mm
Weight: 185g

Features

Nominal voltage rotary direction	1V to 400V AC
Nominal Voltage phase indirection	120V to 400V AC
Frequency range	2 to 400Hz
Test Current (per phase)	< 3.5 mA
Electrical safety	DIN, VDE 0411, IEC61010 DIN;IEC61557-7/EN61557-7
Protection level	CATIII 600V
Type of protection	IP40
Operating altitude	2000m
Operating temperature	0°C to 40°C

DT-903 Socket Polarity and Earth Leakage Tester



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Model 903



903 Socket Polarity and Earth Leakage Tester tests 3 wire 220V AC outlets and earth leakage circuit breakers(ELCB).

Specifications

Power supply	From unit under test
Electrical safety	IEC61010/EN61010; IEC61557-7/EN61557-7
Protection level	CATIII 600V
Type of protection	IP40
Operating temperature	0°C to 40°C

Size(HxWxD): 128mm x 68mm x 30mm
Weight: 185g

DT-904

Digital RCD Tester



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Model 904

- 2000ms readout for testing latest delay action breakers.
- Fully programmed operation
- Accurate digital read out of tripping time
- Two neon lamps give quick check for correct wiring
- Operates from mains supply. No need for batteries
- Compact, light weight and simple to operate
- Zero cross circuit permits testing at 0° and 180° portion of sine wave at these two tests minimum(best) and maximum(worst) trip times will be displayed
- Data hold function to freeze the digital trip time displayed allows for easy readout and eliminates the possibility of reading error

Specifications

	Max Resolution	Accuracy
Trip current settings	5mA, 10mA, 30mA, 100mA, 300mA, 500mA	
Test Current (No Trip Test)	50% of circuit breaker trip current selected	2000mS ± 5%
Test Current (Trip Test)	100% of circuit breaker trip current selected	2000mS ± 5%
Test Current (Fast Trip Test)	250mA regardless of circuit breaker trip current selected	40mS ± 5%
Fault trip Time	2000mS (40mS for Fast Trip)	±2%rdg ±3dgt
Resistance	0.1kΩ	±1.0%rdg ±2dgt
Operating Voltage	220V, 230V, 240V AC ± 10%	± 3%

Size(HxWxD): 128mm x 68mm x 30mm
Weight: 185g

DT-905A Socket Polarity Tester

The new ergonomic, easy to use socket tester is designed to make the electricians job easier and is ideal for first level indication for testing standard mains sockets.



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Model 905A

- Clear LED indication of wiring status
- Modern, ergonomic design
- Compact and durable
- Simple to use, just plug into socket for autotest

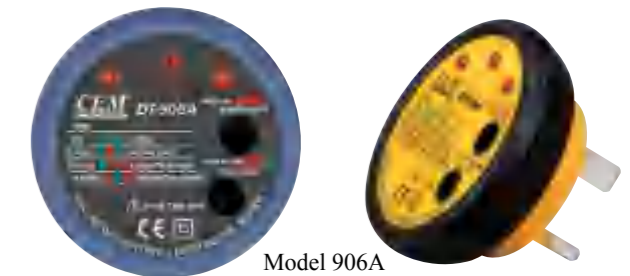
DT-906A Socket Polarity and Earth Leakage Tester

906A is a professional socket tester with modern, ergonomic and durable design, to test the safety of installed mains socket.

906A also checks 30mA RCDs, a unique soft-touch button tests that an RCD in the circuit trips within 300ms when a nominal 30mA earth fault current is applied; a further button, the earth volts touchpad, detects raised earth voltages above 50V AC, thus indicating potentially dangerous installations.

Three vivid bicolour LEDs and a buzzer on 906A provide a quick-to-check combination of signals which indicate correct wiring, missing earth, live/neutral reverse, earth/live reverse, missing neutral, live faults, and those errors detected by the two pushbutton tests.

Size(HxWxD): 69mm x 67mm x 32mm
Weight: 80g



Model 906A



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Features

- Fully programmed operation
- Accurate digital read out of tripping time and Current
- 450ms readout for testing latest delay action breakers
- Two LED lamps give quick check for correct wiring
- Compact, lightweight and simple to operate
- Zero cross circuitry permits testing at 0° and 180° portion of sine wave

Specifications

Operational voltage	195V - 253V /45 - 65Hz
Trip current settings	10mA, 30mA, 100mA, 300mA, 500mA, 650mA
Trip current measurement accuracy	±10% ±2digits
Trip time ranges	0ms - 300ms
Trip time accuracy	±5% ±3digits
Ramp test	X0.4 to 1.1 times nominal rated current, accuracy±10 %

Size(HxWxD): 200mm x 70mm x 45mm
Weight: 253g

Accessories:
Test leads, 4 x "AA" batteries and Clamshell.



Model 9054

DT-9053 Circuit Analyzer



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



9053 insulation test has been evaluated and complies with insulation category III (overvoltage category III). Pollution degree II in accordance with IEC-644 indoor use.

- Digital LCD display with backlit
- Display update for voltage less than 2.5 second
- Over-range indication on all functions
- ACV True RMS measurement

Specifications

	Range	Resolution	Accuracy
Line voltage	85.0~250.0 VAC	0.11V	±1.0%rdg ±0.2dgt
Peak line voltage	121.0~354.0 VAC	0.1V	±1.0%rdg ±0.2dgt
Frequency	45.0~65.0 Hz	0.1Hz	±1.0%rdg ±0.2dgt
%voltage drop	0.1% ~99.9%	0.1%	±2.5%rdg ±0.2dgt
Voltage loaded	10.0 ~ 250.0 VAC	0.1V	±2.5%rdg ±0.2dgt
Neutral-Ground V	0.0 ~ 10.0 VAC	0.1V	±2.5%rdg ±0.2dgt
Impedance-Hot neutral & Ground	0.00Ω~3.00Ω> 3Ω	0.01Ω	±2.5%rdg ±0.02dgt
GFCI Trip Time	1ms to 6.5ms counter	1ms	±1.0%rdg ±2ms
GFCI Trip Current	6.0 ~ 9.0mA	0.1mA	±1.0%rdg ±2mA
EPD Trip Current	30.0 ~ 37.0mA	0.1mA	±1.0%rdg ±2mA

Size(HxWxD): 200mm x 70mm x 45mm
Weight: 206g

Accessories: Clamshell.



Model 9053



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



9050 Insulation Tester is designed according to standard EN61557-2, and also respects international electrical safety standard IEC 61010-1.

Specifications

Output voltage	500V DC
Nominal output current	500V, 1mA
Measurement range	0, 300k, 400k, 500k, 600k, 700k, 800k, 900k, 1000kΩ, ∞
Size	210 x 70 x 45mm
Total weight	316g

Accessories:

Test leads, 4 x "AA" batteries and clamshell.



Model 9050

DT-9051 Earth Tester



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Model 9051

Specifications

Max input AC Voltage	400V±10%
Operating AC Voltage	230V±10%
Operating Frequency	50Hz±10%
Measurement range	0Ω, 5Ω, 10Ω, 30Ω, 50Ω, 100Ω
Fuse size	5 x 20mm/160mA

Size(HxWxD): 210mm x 70mm x 45mm
Weight: 311g

Accessories: TL-951, 9V battery and clamshell.



DT-9052 Earth and Continuity Tester



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Principle of measurement by "fault loop" for installations with neutral as per diagram indication
Earth loop measurement current less than the drop-out threshold of the 30mA circuit breakers
Measurement of the earth resistance by 3 1/2 digit display from 0 to 1999Ω (resolution 1Ω measurement updated every 1.5s)

- Two-colour back-lit LCD display
- IEC 61010-1 EN 61557-4
- Installation category III
- Class II IP40 ,IK06

Specifications

Accuracy	+/-(-3%+1dgt)for pure resistance (range 0-2000Ω at 23°C+/-5°C)
Operating voltage	230V(Ph/N)-10/+6%
Operating frequency	50/60Hz
Weight	340g
Size	210 x 72 x 50mm



Model 9052





Model 9055



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Principle of measurement by "fault loop" for installations with neutral as per diagram indication
Earth loop measurement current less than the drop-out threshold of the 30mA circuit breakers
Measurement of the earth resistance by 3 1/2 digit display from 0 to 1999Ω (resolution 1Ω measurement updated every 1.5s)

- Two-colour back-lit LCD display
- IEC 61010-1 EN 61557-4
- Installation category III
- Class II IP40 ,IK06

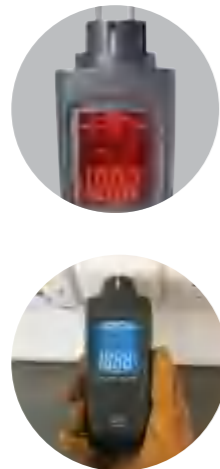
Specifications

Measurement Range	Accuracy
0.0Ω -19.9Ω	± 0.8 Ω
19.9Ω -99.9Ω	± 6.5 Ω
100Ω -999Ω	± 7.5 Ω
1.00kΩ -2.00kΩ	± 16.0 Ω
Operating voltage	230V(Ph/N)-10/+6%
Operating frequency	50/60Hz
Weight	340g
Size	210 x 72 x 50mm

Size(HxWxD): 195mm x 70mm x 48mm

Weight: 415g

Accessories: Clamshell.



DT-9056 Digital Earth Loop Tester



Model 9056



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



9056 insulation test has been evaluated and complies with insulation category III (overvoltage category III). Pollution degree II in accordance with IEC-644 indoor use.

- Digital LCD display with backlit
- Display update for voltage less than 2.5 times/second
- Over-range indication on all functions
- ACV True RMS measurement

Specifications

	Range	Resolution	Accuracy
Line voltage	85.0~250.0 VAC	0.1V	±1.0%rdg ±0.2dgt
Peak line voltage	121.0~354.0 VAC	0.1V	±1.0%rdg ±0.2dgt
Frequency	45.0~65.0 Hz	0.1Hz	±1.0%rdg ±0.2dgt
%voltage drop	0.1% ~99.9%	0.1%	±2.5%rdg ±0.2dgt
Voltage loaded	10.0 ~ 250.0 VAC	0.1V	±2.5%rdg ±0.2dgt
Neutral-Ground V	0.0 ~ 10.0 VAC	0.1V	±2.5%rdg ±0.2dgt
Impedance-Hot neutral & Ground	0.00Ω~3.00Ω> 3Ω	0.01Ω	±2.5%rdg ±0.02dgt
GFCI Trip Time	1ms to 6.5ms counter	1ms	±1.0%rdg ±2ms
GFCI Trip Current	6.0 ~ 9.0mA	0.1mA	±1.0%rdg ±2mA
EPD Trip Current	30.0 ~ 37.0mA	0.1mA	±1.0%rdg ±2mA

Size(HxWxD): 195mm x 70mm x 48mm

Weight: 415g

Accessories: Clamshell.



Quickly checks for correct wiring of AC outlet load handling capabilities plus Outlet Tester functions

Features

- Outlet Tester functions:AFCl
- GFCI Trip Current
- GFCI Trip Time
- EPD Trip Current
- Neutral to Ground Voltage
- Hot, Neutral and Ground Impedance
- Open or Reversed wiring
- AC Load Tester:Selectable loads of 12, 15 and 20 Amps
- Measures loaded and unloaded AC Line Voltage
- Calculates and displays % Voltage Drop and Line Impedance
- Displays Peak Line Voltage and Frequency
- Over-Temperature protection
- Complete with AC test cord

Specifications

Measurement Range	Accuracy
AC Voltage	85.0 to 250.0V
Frequency	45.0 to 65.0Hz
Peak Line Voltage	350.0V
% Voltage Drop	0.1 to 99.9%

Size(HxWxD): 195mm x 70mm x 48mm

Weight: 415g

Accessories: Clamshell.



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Model 9057

USB-10/20 USB DC Voltage/ Current Tester

USB-10/20 USB DC Voltage/ Current tester is used to inspect USB charger and portable power source of electronics products. USB-10/20 can output voltage, current, and power. Users can use this device to monitor charging status of any USB powered device.



Model USB-10



Model USB-20

Features

- High/Low output voltage warning
- LCD display with backlight (USB-20)
- LED display (USB-10)
- Lightweight, portable, easy to use

Specifications

Input Voltage Range (V)	3V-9V
Voltage Resolution	0.01V
Voltage Monitoring Accuracy	±1%
Current Monitoring Range (A)	0A~3A
Current Monitoring Accuracy	±(1%±2)
Current Resolution	0.01A

Size(HxWxD): 23mm x 65mm x 13mm

Weight: 17g



AC Current and Voltage Dataloggers

- Large capacity for storing measuring data points
- ACA current clamp sensor (CP-09)
- Voltage sensor measure the floating voltage to meet CAT III 600V
- LCD to show some logging information easily
- Freely selectable measurement cycle from 1sec. to 24h
- Download collected data through USB interface
- Alarm display if user-defined max/min values exceed
- Analysis software used to view graph for logging data



EMC & LVD
 EN: 61326
 EN: 61010-1
 EN: 61010-02-032
 EN: 61010-02-033



The 195 is a datalogger for measuring and recording current, voltage, active power, apparent power, Power Factor and Electrical Energy
 The readings are saved in the logger and simply read out by your smartphone bluetooth interface.
 The LCD can show measuring readings, MAX, MIN and alarm indication.



Features

Record and software features include:
 Configurable recording interval
 Graphical and spreadsheet data summaries
 Min, Max, Average RMS values with time stamps
 Transient waveform recording
 Bluetooth interface
 Print tables, graphs and comprehensive formatted reports
 View, print and export data

Specifications

	Range	resolution	Accuracy
AC Voltage	1-600V	1V	+1.5% of reading +3 digit
AC Current	1-200A	1A	+1.5% of reading +3 digit
Active power	0-120000w	1W	P(W) +15% of reading
Apparent power	0-120000VA	1VA	S(VA) +15% of reading
Power Factor	0-1	0.01	+5% +3 digit
Input channel	Dual		
Frequency range	50/60Hz		
Reading memories	100000		
Measuring rate	1 sec. to 60min		
Analysis software	Windows 98 /2000/XP/Vista/Win7/8/10		

Model 195



EMC & LVD
 EN: 61326
 EN: 61010-1
 EN: 61010-02-032
 EN: 61010-02-033

DT-175CVS/175CV1/176CV2/177CV3 AC Current and Voltage Dataloggers

The 175CVS is a datalogger for measuring and recording current and voltage.
 The 175CV1/176CV2/177CV3 are dataloggers for measuring and recording True RMS current and voltage.
 The readings are saved in the logger and simply read out by your PC via USB interface.
 The LCD can show current readings, MAX, MIN and alarm indication.

Features

	175CVS	175CV1	176CV2	177CV3
Input channel	Dual	Single	Dual	Three
Digital LCD Display	*	*	*	*
ACV/Load current/Leakage current measurement	*	*	*	*
True RMS measurement	*	*	*	*
Data memory	100,000	100,000	256,000	256,000
Wave memory	*	*	*	*
MAX / MIN, Peak mode	MAX / MIN	*	*	*
Time & Date Display	*	*	*	*
Wave store	*	*	*	*
Auto power off	*	*	*	*
USB interface	*	*	*	*
Manual and Automatic mode	*	*	*	*

Specifications

Function	Range	Basic Accuracy	175CVS	175CV1	176CV2	177CV3
AC Current (True RMS)	2-200A	±2%	*	*	*	*
AC Voltage (True RMS)	6-600V	±1.5%	*	*	*	*
Reading Memories			100,000	100,000	256,000	256,000
Measuring rate	1 sec. to 24h					
Analysis software	windows 98/2000/XP/Vista/Win7/8/10					

Size(HxWxD): 114mm x 63mm x 34mm

Weight: 248g

Accessories : ACA current clamp-on adaptor (CP-09), USB cable, Software, battery and gift box.



Model 176 CV2



EMC & LVD
 EN: 61326
 EN: 61010-1
 EN: 61010-02-032
 EN: 61010-02-033

Cable Locator



LA-1012 Receiver

LA-1012B Transmitter

Tracing of underground cables (max. depth 2.5m)

Location of fuses/breakers and assignment to circuits

The cable locator is a professional general purpose cable locator. It is ideal for tracing cables in walls and underground, locating fuses/breakers on final circuits and locating interruptions and short-circuits in cables and electrical floor heating systems. It can also be used for tracing metallic water and heating pipes. The unit is supplied as a complete kit comprising of a transmitter and a receiver in a purpose-made carry case. The receiver also incorporates a torch function for working in dimly lit locations.

- For all applications (live or dead cables) without additional instruments
- Set includes a transmitter and a receiver
- Proven digitally coded sender signal guarantees clear signal identification
- Transmitter with LCD-display for transmitting level, transmitting code and external voltage
- Receiver with backlight LCD-display for level of receiving signal, code of receiving signal and live voltage indication
- Automatic or manual adjustment of receiving signal sensitivity
- Acoustical receiving signal switchable
- Auto Power Off
- Additional torch lamp function for working in dark environment
- Additional transmitters are available for extension of to distinguish between several signals

Model LA-1012B
TransmitterModel LA-1012
Receiver

Technical Specifications

Voltage measurement range	Transmitter: 12V, 50V, 120V, 230V, 400V
Frequency range	Transmitter: 0...60Hz
Output signal	Transmitter: 125kHz
Voltage	Transmitter: Up to 400V AC/DC
Tracing depth cable location	Receiver: 0...2.5 m wall/underground cables
Main voltage detection	Receiver: 0...0.4 m

Environmental Specifications

Operating temperature	Transmitter: 0 to 40°C; Receiver: 0 to 40°C
Storage temperature	Transmitter: -20°C to 60°C; Receiver: -20°C to 60°C
Humidity (without condensation)	Transmitter: Max. 80% relative; Receiver: Max. 80% relative
Operating altitude	Transmitter: Up to 2000 m; Receiver: Up to 2000 m

Safety Specifications

Electrical safety	EN 61010-1
Overvoltage category	CAT III 300V

LA-1012:

Size(HxWxD): 190mm x 60mm x 37mm

Weight: 229g

LA-1012B:

Size(HxWxD): 128mm x 68mm x 30mm

Weight: 185g

Accessories:

2 x 9V batteries, Crocodile clips, Test leads and gift box with carrying case.



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Non-Contact detection of AC Voltage

The Non-contact AC Voltage Testers are easy to use — just touch the tip to a terminal strip, outlet, or supply cord. When the tip glows red and the unit beeps, you know there's voltage present. Electricians, maintenance, service, safety personnel, and homeowners can quickly test for energized circuits in the workplace or at home.

Features:

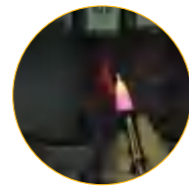
- High power rear flashlight
- Thinner probe tip for working with wall outlets
- Green LED means power on, flashing red LED with beeper means voltage detected
- Low battery selftest & Auto power off
- Two modes, green means high voltage mode, yellow means low voltage mode
- Forward facing flashlight
- Flash and Beep rate increase as the detector gets closer to the voltage source helping the user pinpoint live circuits
- Power ON/OFF switch & Silent Mode
- Pocket clip for easy storage
- CATIV-1000V, IP67 Water proof & 2m drop-proof
- ATEX certificate for AC-15Ex/AC-15Exs

- High power rear flashlight
- Dual Voltage Sensitivity detector

- CATIV 1000V
- IP67 Water proof & 2m drop-proof



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Model AC-11

Specifications

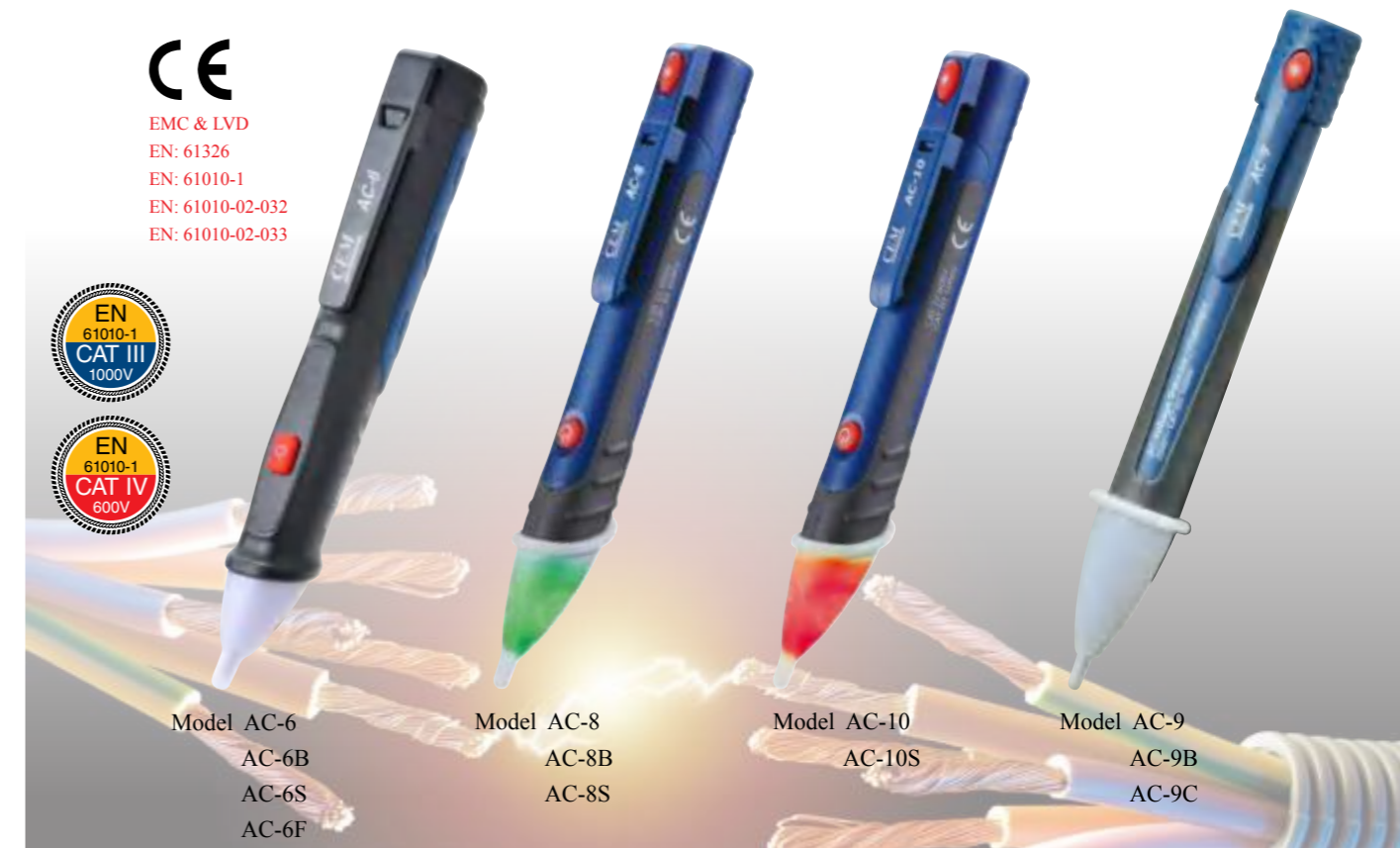
	AC-11	AC-11B	AC-11S	AC-15	AC-15B	AC-15S	AC-15Ex	AC-15 Exs	AC-16	AC-16B	AC-16S
ACV Non-Contact Detection	*	*	*	*	*	*	*	*	*	*	*
Operating Range (50Hz/60Hz)	12V to 1000V	*		*	*	*	*	*	*	*	*
	24V to 1000V		*		*	*	*	*	*	*	*
	50V to 1000V			*		*	*	*	*	*	*
	100V to 1000V	*	*		*	*	*	*	*	*	*
200V to 1000V			*		*	*	*	*	*	*	*
IP67 Water proof & 2m drop-proof	2m drop-proof			*	*	*	*	*	*	*	*
Motor shaking			*		*	*	*	*	*	*	*
Ex ib IIB T4 (ATEX)						*	*	*			
Dual Voltage Sensitivity detector											
Red/Yellow/Green LED indicators											
Flashlight function											
Auto Power Off											
Beeper sounds											
System self test											
Switchable audible and silent mode											
Rugged, double molded case											
CATIV-1000V											
Size(HxWxD)	160 x 20 x 23			160mm x 23mm x 25mm				155mm x 20mm x 22mm			
Weight	60g			55g				48g			

Accessories:

Two "AAA" batteries and clamshell



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Model AC-6
AC-6B
AC-6S
AC-6F

Model AC-8
AC-8B
AC-8S

Model AC-10
AC-10S

Model AC-9
AC-9B
AC-9C

Features:

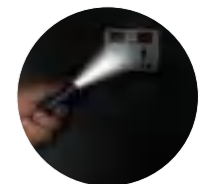
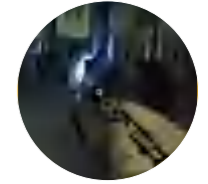
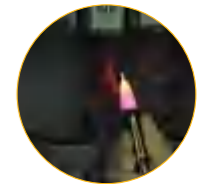
- Easy-to-use just touch the tip to an outlet or cord. When it glows red, you know there is voltage in the line.
- Fit in shirt pocket for convenience
- All outer surfaces are non-conductive for safety
- Detects AC voltage without metallic contact



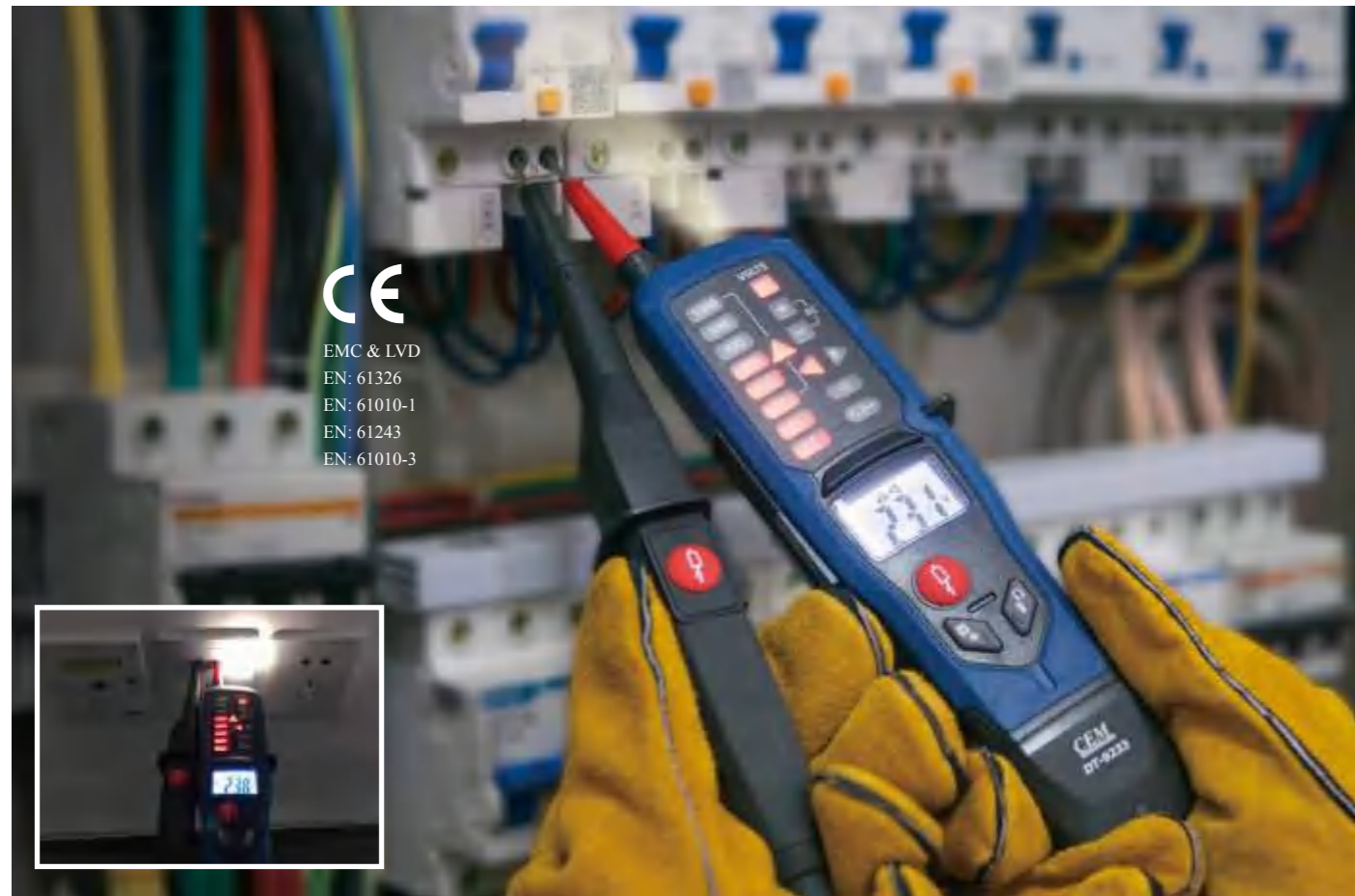
Features

	AC-6	AC-6B	AC-6S	AC-8	AC-8B	AC-8S	AC-9	AC-9B	AC-9C	AC-10	AC-10S
ACV Non-Contact Detection	*	*	*	*	*	*	*	*	*	*	*
Operating Range (50Hz/60Hz)	24V to 1000V		*			*					
	50V to 1000V	*		*							*
	100V to 1000V		*	*		*	*	*	*	*	*
	200V to 1000V					*	*	*	*	*	*
Voltage Sensitivity detector (Single)	*	*	Dual	*	*	Dual	*	*	*	*	*
Red LED indicators	*	*	*	*	*	*	*	*	*	*	*
Yellow LED indicators			*			*				*	*
Green LED indicators	*	*	*	*	*	*	*	*	*	*	*
Beeper sounds	*	*	*	*	*	*	*	*	*	*	*
Motor Shaking									*		
Flashlight function	AC-6F			*	*	*	*	*	*	*	*
Auto Power Off	*	*	*	*	*	*	*	*	*	*	*
Low battery self test	*	*	*	*	*	*	*	*	*	*	*
Power ON/OFF switch	*	*	*	*	*	*	*	*	*	*	*
Switchable audible and silent mode	*	*	*	*	*	*	*	*	*	*	*
Rugged, double molded case	*	*	*	*	*	*	*	*	*	*	*
CATIII-1000V	*	*	*	*	*	*	*	*	*	*	*
Size(HxWxD) mm	135 x 19 x 22			158 x 21 x 25			176 x 22 x 26			135 x 19 x 22	
Weight	45g			48g			50g			55g	

Accessories: Two "AAA" batteries and clamshell



Electrical Testers



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61243
EN: 61010-3

9230 /9231/9232/9233 Series new two-pole voltage and continuity testers are now more rugged and easier to use than ever before.

- Fast test results the way you need them, with large, easy-to-use buttons, bright backlights, and clear audible and visible indicators designed for any work situation.
- Rugged, high-quality construction design includes a heavy duty molded case, a thicker cord with wear indicator, sturdy battery case, and well-fitting and durable probe protector.
- Enhanced ergonomic design feels good in your hand, is easy to use (even with gloves) and quick, secure probe docking.
- A complete family of testers with the features, functions, and price/performance to fit your applications and preferences.

AC-8M/AC-9M Magnet Space Testers

GENERAL APPLICATIONS

- Testing operating solenoid valves in pneumatic and hydraulic control equipment
- Testing relays with coils and electrically controlled solenoid valves in all types of vehicles and machineries
- Testing solenoid valves when servicing oil burners, the test lamp lights immediately and without metallic contact where there is a magnetic field, e.g. an activated coil in a solenoid valve. The test lamp responds to all kind of magnetic fields -from alternating current to direct current and to permanent magnets.

Size(HxWxD): 158mm x 21mm x 25mm (AC-8M)

Weight: 34g

Accessories:

Two "AAA" batteries and clamshell



Model AC-8M

Model AC-9M

Features

	9230	9231	9232	9233
Complies with EN 61243-3:2014	*	*	*	*
LED Indication Range: 12 V to 690 V dc and ac	*			
LED Indication Range: 12 V to 1000 V dc and ac		*	*	*
Independent ELV indicator LED, indicates if >50 V ac/120 V dc is present even in the event of no battery power or main circuit failure	*	*	*	*
LCD Indication Range: 6 V to 1000 V dc and ac			*	*
Resistance Measurement: LCD 3½ digit (0 to 1999 Ω/1Ω resolution)				*
LCD Backlight/Display HOLD: Freeze/unfreeze display with voltage or resistance measurement			*	*
Fixed Impedance ~350 kΩ (≤3.5 mA @ 1000 V)		*	*	*
Switchable Load by 2 pushbuttons (30 mA @ 230 V)		*		*
Vibration During Load (when 2 switchable load pushbuttons are pushed)		*		*
Single-Pole Phase Test (also operates with gloves)		*	*	*
Rotary Field Direction (also operates with gloves)		*	*	*
Continuity Test / Diode Test	*	*	*	*
Flashlight		*	*	*
Beeper for Continuity	*	*	*	*
Beeper for Phase/ACV		*	*	*
19 mm Probe Tip distance when docked	*	*	*	*
CAT III 1000 V / CAT IV 600 V	*	*	*	*
IP64	*	*	*	*

Specifications

		9230	9231	9232	9233
LEDs					
Voltage range	12 V to 690 V ac/dc	*			
	12 V to 1000 V ac/dc		*	*	*
Resolution	±12 V, 24 V, 36V, 50 V, 120 V,230 V, 400 V, 690 V	*			
	±12 V, 24 V, 50 V, 120 V,230 V, 400 V, 690 V, 1000 V		*	*	*
Frequency range	0 / 50 Hz to 60 Hz	*			
	0 / 40 Hz to 400 Hz		*	*	*
Response time	≤0.5 second	*	*	*	*
Auto power on	≥12 V ac/dc	*	*	*	*
LCD					
Voltage range	6V to 1000V ac/dc			*	*
Resolution	±1V			*	*
Tolerance	±(3 % rdg + 5 digits)			*	*
Frequency range	0 / 40 Hz to 400 Hz			*	*
Response time	≤1 second			*	*
Auto power on	≥6 V ac/dc			*	*
Voltage detection	Automatic	*	*	*	*
Polarity detection	Full range	*	*	*	*
Range detection	Automatic	*	*	*	*
Internal basic load impedance Peak current	Maximum 3.5 mA at 690 V 250 kΩ / Is <3.5 mA	*			
	Maximum 3.5 mA at 1000 V 350 kΩ / Is <3.5 mA (no RCD tripping)		*	*	*
Operation time	Duration Time =30 seconds	*	*	*	*
Recovery time	Recovery Time =240 seconds	*	*	*	*
Switchable Load	~7 kΩ		*	*	*
Peak current	Is (load) = 150 mA		*	*	*
RCD tripping	I=30 mA @ 230 V		*	*	*
Continuity Test	0 to 200 kΩ	*			
	0 to 400 kΩ		*	*	*
Accuracy	nominal resistance +50 %	*	*	*	*
Test current	≤5 μA	*	*	*	*
Single-pole Phase Test	100 V ac to 1000 V ac		*	*	*
Frequency range	40 Hz to 60 Hz		*	*	*
Rotary Field Indication					
Voltage range (LEDs)	100 V to 1000 V (phase to earth)		*	*	*
Frequency range	50 Hz to 60 Hz		*	*	*
Resistance Measurement	0 Ω to 1999 Ω				*
Resolution	1 Ω				*
Tolerance	±(5 % rdg +10 digits) @ 20 °C				*
Temperature coefficient	±5 digits / 10 K				*
Test current	≤30 μA				*

Size(HxWxD): 240mm x 78mm x 30mm

Weight: 237g

Accessories:

Two "AAA" batteries, gift box with carrying case



Model 9230

Model 9231



Model 9232

Model 9233

Electrical Testers



CE

EMC & LVD
EN: 61326
EN: 61010-1
EN: 61243
EN: 61010-3

Features

	9330	9331	9332
Complies with EN 61243-3:2014	*	*	*
LED Indication Range: 12 V to 1000 V dc and ac	*	*	
Independent ELV indicator LED, indicates if >50 V ac/120 V dc is present even in the event of no battery power or main circuit failure	*	*	*
LCD Indication Range: 6 V to 1000 V dc and ac		*	*
Resistance Measurement: LCD 3½ digit (0 to 1999 Ω/1Ω resolution)		*	*
LCD Backlight Display HOLD: Freeze/unfreeze display with voltage or resistance measurement		*	*
Rugged, Double-Insulated Wire	*	*	*
Fixed Impedance ~300 kΩ (≤3.5 mA @ 1000 V)	*	*	*
Switchable Load by 2 pushbuttons (30 mA @ 230 V)	*	*	*
Single-Pole Phase Test (also operates with gloves)	*	*	*
Rotary Field Direction (also operates with gloves)	*	*	*
Continuity Test / Diode Test	*	*	*
Flashlight	*	*	*
Beeper for Continuity/Phase/ACV	*	*	*
19 mm Probe Tip distance when docked	*	*	*
CAT III 1000 V / CAT IV 600 V	*	*	*
IP64 rating	*	*	*

Specifications

	9330	9331	9332
LEDs			
Voltage range	12 V to 1000 V ac/dc	*	*
Resolution	±12 V, 24 V, 50 V, 120 V, 230 V, 400 V, 690 V, 1000 V	*	*
Tolerance	Complies with EN 61243-3:2014	*	*
Frequency range	0 / 40 Hz to 400 Hz	*	*
Response time	≤0.5 second	*	*
Auto power on	≥12 V ac/dc	*	*
LCD			
Voltage range	6V to 1000V ac/dc	*	*
Resolution	±1V	*	*
Tolerance	±(3 % rdg + 5 digits)	*	*
Frequency range	0 / 40 Hz to 400 Hz	*	*
Response time	≤1 second	*	*
Auto power on	≥6 V ac/dc	*	*
Voltage detection	Automatic	*	*
Polarity detection	Full range	*	*
Range detection	Automatic	*	*
Internal basic load impedance Peak current	Maximum 3.5 mA at 1000 V 300 kΩ / Is <3.5 mA (no RCD tripping)	*	*
Operation time	Duration Time =30 seconds	*	*
Recovery time	Recovery Time =240 seconds	*	*
Switchable Load	~7 kΩ	*	*
Peak current	Is (load) = 150 mA	*	*
RCD tripping	I=30 mA @ 230 V	*	*
Continuity Test	0 to 400 kΩ	*	*
Accuracy	nominal resistance +50 %	*	*
Test current	≤5 μA	*	*
Single-pole Phase Test	100 V ac to 1000 V ac	*	*
Frequency range	40 Hz to 60 Hz	*	*
Rotary Field Indication			
Voltage range (LEDs)	100 V to 1000 V (phase to earth)	*	*
Frequency range	50 Hz to 60 Hz	*	*
Resistance Measurement	0 Ω to 1999 Ω	*	*
Resolution	1 Ω	*	*
Tolerance	±(5 % rdg +10 digits) @ 20 °C	*	*
Temperature coefficient	±5 digits / 10 K	*	*
Test current	≤30 μA	*	*

Size(HxWxD): 240mm x 73mm x 34mm

Weight: 237g

Accessories:

Two "AAA" batteries, gift box with carrying case

CE

EMC & LVD
EN: 61326
EN: 61010-1
EN: 61243
EN: 61010-3

Model 9330



Model 9331



Model 9332



9902 & 9903 Electrical Testers provide voltage, continuity with one compact tool. They will be turned on automatically when you place the probe across a complete circuit. So you don't even have to turn them on or off.



Model 9903



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Safety Conformance

Complies with EN 61010-1 for use in CATIII 600V environments



Model 9902

Features

	9902	9903
Automatically select VAC, VDC or Continuity test	*	*
1999 counts LCD display		*
Automatically power on and off	*	*
High input impedance	1MΩ	400kΩ
Non-contact voltage detection	9902N	9903N
Low battery indication		*

Specifications

Function	9902	9903	Accuracy
Voltage AC	690V	600V	±(3.0%±3d)
Voltage DC	220V	600V	±(1.5%±2d)
Continuity Test	*	*	

Size(HxWxD): 9902/9902N : 135mm x 51.5mm x 38.5mm
9903/9903N : 215mm x 72mm x 36.7mm

Weight: 9902/9902N : 182g 9903/9903N : 235g

Accessories: Test leads, 2 x "AA" batteries and clamshell.



DT-9133 Lamp Tester

Lamp Tester tests HID and fluorescent lamps and has live conductor sensing. This electrical lamp tester has a compact, rugged housing with carrying case (included).

Specifications

Live Conductor Indication	60-250VAC, 40-60Hz
Continuity Verification	0-5MΩ (test current: <7μA)
Lamp Tester Voltage	3kV/160kHz (test current: <200μA)
Measurement Category	CAT II 250V

Size(HxWxD): 189mm x 26.5mm x 2.6mm
Weight: 60g



Features

	9011/9011B	9020/9120	9021/9121	9030/9130
Clear LED indication	*	*	*	
1999 counts LCD display with analog bargraph				*
AC/DC Voltage detection	*	*	*	*
Polarity detection	*	*	*	*
Single-pole phase test			*	
Continuity test			*	*
Rotary field indication			*	*
Low impedance test	*	*	*	*
Flashlight		*	*	*
Voltage function operates without battery	*	*	*	*
IP64	*	*	*	*
Overvoltage class CATIII 1000V/CATIV 600V		*	*	*
VAT self-test button		*/*	*/*	*/*

- Double molded plastic housing
- CAT III 1000V

Model 9030

Bright Flashlight



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61243
EN: 61010-3 (9030/9130)

- Bright Flashlight
- VAT self-test button



Model 9011

Model 9121



Model 9020



Specifications

	9011/9011B	9020/9120	9021/9121	9030/9130
Voltage range (AC/DC)	6,12,24,50,120,230,400V	12,24,36,50,120,230,400V	12,24,36,50,120,230,400V	12,24,36,50,120,230,400V
Tolerance	-30% to 0% of reading	-30% to 0% of reading	-30% to 0% of reading	±1.5%±3D
ACV Frequency range	0-60Hz	0-60Hz	0-60Hz	50/60Hz
Internal impedance	-	<200kΩ/-	<200kΩ/-	≤1MΩ/-

Size(HxWxD): 240mm x 78mm x 40mm
Weight: 237g

Accessories:

Two "AAA" batteries (9021/9030/9121), gift box with carrying case

Features

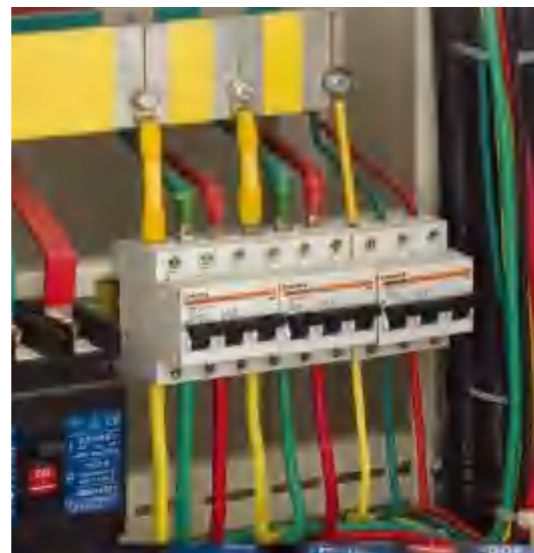
- Analog Circuit Breaker Finder
- Voltage Range 120/240V
- For Use On Energized Lines
- LED Display
- Visual/Audible indicaton
- Function identifies Specific Circuit Breakers or Fuses With A Flashing LED Light and audible tone
- Plug-in transmitter allows one person test
- Identify And Troubleshoot Energized Outlets Or in candescent light fixture
- Includes Transmitter, Receiver, Battery, and Instructions.



Model CT-230A Receiver



Model CT-230B Transmitter



CT-240 Digital Circuit Breaker Finder

Features

- Digital Circuit Breaker Finder
- Voltage Range 120/240V
- For Use on Energized Lines
- LED Display
- Visual/Audible indicaton
- Function identifies Specific Circuit Breakers or Fuses With A Flashing LED Light and audible tone
- Identify and Troubleshoot Energized Outlets or in candescent light fixture
- Includes Transmitter, Receiver, Battery, and Instructions.

Size(HxWxD): 192mm x 64mm x 42mm
Weight: 120g
Accessories: 9V batteries and clamshell



Model CT-240B Transmitter



Model CT-240A Receiver

Features

- Insulated inductive probe tip prevents shorting conductors
- Tests include wire trace, continuity test, clear/busy/ringing line test and tip/ring identification
- Alligator clips for non-terminated cables and modular connectors for direct connections to telephone and internet wiring
- Selectable continuous or variable tone generation
- Built-in speaker on probe with sensitivity control

Specifications

Function	Max Range	Basic Accuracy
Voltage DC	600V	±0.5%
Voltage AC	600V	±1.2%
Current DC	200mA	±1.5%
Current AC	200mA	±2.0%
Resistance	20MΩ	±0.8%
Continuity Test	Beep if less than 100Ω	

Complete with Amplifier probe and Tone Generator with alligator clips and modular RJ11 phone and RJ45 digital connector cables, 9V battery and case
Tone Generator and Amplifier Probe Kit
Heavy duty kit with audible tone easily identifies wires or cables

Size(HxWxD): 162mm x 74.5mm x 44mm
Weight: 308g
Accessories: Test leads, 9V batteries and gift box.



Model 1014

LA-1013 Amplifier Probe



Model 1013

Features

- Insulated inductive probe tip prevents shorting conductors
- Tests include wire trace, continuity test, clear/busy/ringing line test and tip/ring identification
- Alligator clips for non-terminated cables and modular connectors for direct connections to telephone and internet wiring
- Selectable continuous or variable tone generation
- Built-in speaker on probe with sensitivity control



Size(HxWxD): 231mm x 56mm x 27mm
Weight: 270g
Accessories: 9V battery and clamshell

Model 1011



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



The tester is a designed and very practical tester that can easily read the correct pin configuration of 10 Base -T cable(Category 5), 10 Base-2 cable (coax), RJ45/RJ11 modular cables, 356A, TIA-568A/568B and Token Ring cable by comparing one transmitting end to the corresponding receiving end. With the remote kit it can test cables installed far away either on wall plate or patch panel. It is easy to verify the cable continuity, open, short and cross-connect. It is affordable, so you can benefit the most.

- Test the correct pin configuration of 10 Base-T 10 Base-2 Thin Ethernet cable, RJ45/RJ11 modular cables 356A, TIA-568A/568B and Token Ring cable etc.
- With remote kit it can remotely test cables up to 300 m away either on the wall plate or patch panel.
- Test the ground wire
- Measures DC/AC Voltage, DC/AC Current, Resistance, Continuity & diode

Specifications

Function	Max Range	Basic Accuracy
Voltage DC	600V	±0.5%
Voltage AC	600V	±1.2%
Current DC	200mA	±1.5%
Current AC	200mA	±2.0%
Resistance	20MΩ	±0.8%
Continuity Test	Beep if less than 100Ω	

Size(HxWxD): 162mm x 74.5mm x 44mm
Weight: 308g

Accessories:

9V battery and Two "AAA" batteries, remote terminator, holster, cables, test leads, gift box with carrying case.

LA-1015 2 in 1 Cable Identifier & DMM



EMC & LVD
EN: 50081-1, 50082-1
EN: 61010-1, EN: 61010-02-032
EN: 61010-02-033



Model 1015

LA-1015 is a transmitter/receiver device which enables one to instantly match up ends of individual cores at either end of a multi-core cable. With the remote kit it can test cables installed far away either on wall plate or patch panel. DMM function make it easy to measure DC/AC voltage, DC/AC current, Resistance, continuity & diode.

Specifications

Function	Max Range	Basic Accuracy
Voltage DC	600V	±0.5%
Voltage AC	600V	±1.2%
Current DC	200mA	±1.5%
Current AC	200mA	±2.0%
Resistance	20MΩ	±0.8%
Continuity Test	Beep if less than 100Ω	

Transmitter

Display	Two blue LED lamps
Alligators	17 Croc Clips - Red x 16, Black x 1
Cable resistance	10K Ohm max

Receiver

Display	Two digit Red LED Display
Alligators	2 Croc Clips - Red x 1, Black x 1

Size(HxWxD): 162mm x 74.5mm x 44mm
Weight: 308g

Accessories:

9V battery and Two "AAA" batteries, remote terminator, holster, cables, test leads, gift box with carrying case.



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033



Model 1016

LA-1016 is a satellite finder with scale display and digital multimeter (DMM). It is very good design. Connect a coaxial cable from the LNB/LNBF to the "TOLNB" connection on Satellite Finder. Connect the cable from your satellite receiver to the "TOREC" input on the Satellite Finder. DMM function make it easy to measure DC/AC voltage, DC/AC current, Resistance, continuity & diode.

Specifications

Function	Max Range	Basic Accuracy
Voltage DC	600V	±0.5%
Voltage AC	600V	±1.2%
Current DC	200mA	±1.5%
Current AC	200mA	±2.0%
Resistance	20MΩ	±0.8%
Continuity Test	Beep if less than 100Ω	

Size(HxWxD): 162mm x 74.5mm x 44mm
Weight: 308g

Accessories:

9V battery and Two "AAA" batteries, remote terminator and gift box with carrying case.



LA-1017 Solar Power Meter & DMM

Features

Sunlight measurement up to 1999w/m² or 634BTU/(ft²*h)
High accuracy and rapid response
Data HOLD function to hold measurement values
Unit and sign display for easy reading
Measuring unit selection among w/m² and BTU/(ft²*h)
Manual scale selection
Direct reading with no adjustments needed
Maximum and minimum values
Low battery indication

Specifications

Function	Max Range	Basic Accuracy
Voltage DC	600V	±0.5%
Voltage AC	600V	±1.2%
Current DC	200mA	±1.5%
Current AC	200mA	±2.0%
Resistance	20MΩ	±0.8%
Continuity Test	Beep if less than 100Ω	

Solar Power Meter

Display	3-1/2 digits LCD with maximum reading 1999.
Range	1999W/m ² , 634BTU/(ft ² *h)
Resolution	1W/m ² , 1BTU/(ft ² *h).
Accuracy	Typically within ±10W/m ² [±3BTU/(ft ² *h)] or ±5%
Sampling time	Approx 0.25 second.

Size(HxWxD): 162mm x 74.5mm x 44mm
Weight: 308g

Accessories:

9V battery and Two "AAA" batteries, remote terminator and gift box with carrying case.



Model 1017



EMC & LVD
EN: 61326
EN: 61010-1
EN: 61010-02-032
EN: 61010-02-033

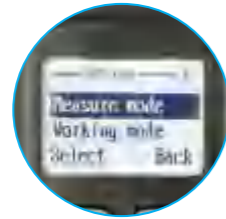


Dual Technology Features Automatic Selection of Magnetic Induction or Eddy Current Measurement Techniques



Model 156

CE
EMC
EN: 61326



Features	150	156	156H
Non-magnetic coatings(e.g. paint, zinc)on steel	*	*	*
Insulating coatings(e.g. paint)on no-ferrous metals	*	*	*
No-ferrous metals coatings on insulating substrates	*	*	*
Menu operation system		*	*
Two measuring modes: CONTINUE and SINGLE mode		*	*
Two working modes: DIRECT and GROUP mode		*	*
Statistic Display: AVG, MAX, MIN, NO., S.DEV		*	*
One point calibration, two points calibration and basic calibration easily		*	*
Memory for 400 readings(80 DIRECT and 320 GROUP readings)		*	*
Memory for 1500 readings(30 GROUP readings)		*	*
Delete single readings and all group readings easily		*	*
High alarm and Low alarm for all working modes		*	*
Low battery, error indication		*	*
USB interface for PC software		*	*
4 levels of battery indication		*	*
Error indication		*	*
Easily adapt to lighting conditions with 8 levels of backlight		*	*

Specifications	150	156		156H	
		F	N	F	N
Sensor probe		Magnetic induction	Eddy current principle	magnetic induction	Eddy current principle
Working principle					
Measuring range	0.0~2.0 mm/ 0~80 mil	0~1250um	0~1250um	0~1350um	0~1350um
Guaranteed tolerance (of reading)	± (2%+0.1)mm/ ± (2%+4)mil	± (3%+1)um	± (3%+1.5)um	± (2.5%+2)um	± (2.5%+2)um
Repeatability		± (1%+1)um	± (1%+1)um	± (1%+1)um	± (1%+1)um
Low range Precision		0.1um	0.1um	0.1um	0.1um
Minimum curvature radius		1.5mm	3mm	1.5mm	3mm
Diameter of Minimum area		7mm	5mm	7mm	5mm
Basic critical thickness		0.5mm	0.3mm	0.5mm	0.3mm



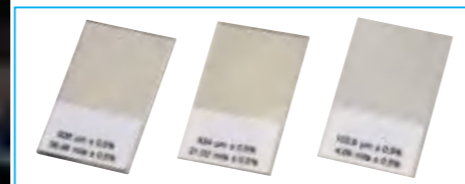
Model 156H

CE
EMC
EN: 61326



Size(HxWxD): 113.5mm x 54mm x 27mm
Weight: 110g

Accessories:
Two "AAA" batteries, USB cable, CD, Calibration Iron, Calibration Aluminum, Precision Standard, gift box with carrying case.



Precision Standard



Calibration Iron Calibration Aluminum



Model 150

Dual Technology Features Automatic Selection of Magnetic Induction or Eddy Current Measurement Techniques. The measuring data is easily transferred to PC for edit and storage.

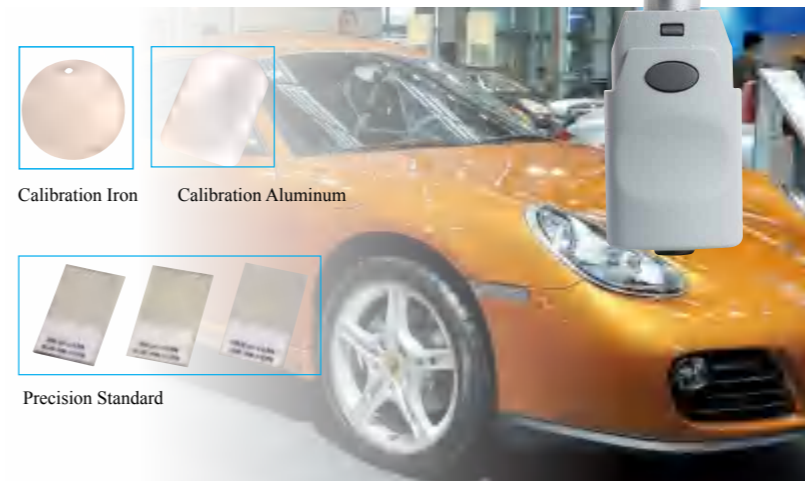
157H provides flexible measurements with extension cable.

Features
Non-magnetic coatings(e.g. paint, zinc)on steel
Insulating coatings(e.g. paint)on no-ferrous metals
No-ferrous metals coatings on insulating substrates
Menu operation system
Two working modes: DIRECT and GROUP mode
Statistic Display: AVG, MAX, MIN, NO., S.DEV
One point calibration, two points calibration and basic calibration easily
Delete single readings and all group readings easily
Low battery, error indication
Memory for 2500 readings(50 GROUP readings)
4 levels of battery indication
Error indication
Bluetooth interface
Easily adapt to lighting conditions with 8 levels of backlight

Specifications	F	N
Sensor probe		
Working principle	magnetic induction	Eddy current principle
Measuring range	0~2000um	0~2000um
Guaranteed tolerance (of reading)	(+/- 2%+2)um	(+/- 2%+2)um
Repeatability	(+/- 1%+1)um	(+/- 1%+1)um
Low range Precision	0.1um	0.1um
Minimum curvature radius	1.5mm	3mm
Diameter of Minimum area	7mm	5mm
Basic critical thickness	0.5mm	0.3mm

Size(HxWxD): 120mm x 60mm x 40mm
Weight: 120g

Accessories:Two "AAA" batteries, CD, Calibration Iron, Calibration Aluminum, Precision Standard, gift box with carrying case.



Calibration Iron Calibration Aluminum

Precision Standard



Bluetooth
Made for iPod iPhone iPad

Model 157

iCTT software
for Coating Thickness Tester

Meterbox iCTT - In the worldwide, Meterbox iCTT is the first issue for the coating thickness tester to communicate with the smartphone by bluetooth. Friendly user interface, multifunction scene mode, standard reference data bring a new user experience and make the works relaxed. Meterbox iCTT allows to read the measured real time data by bluetooth, the displayed table and chart can be recorded and analysed. The user can check the history data anytime and manage the measured readings easily by Meterbox iCTT.



Model 157H



EMC
EN: 61326



The Professional Ultrasonic Thickness Gauge is an innovative instrument that signals a new era in ultrasonic thickness gaging. Ideally suited for almost every ultrasonic thickness application, this handheld thickness gage is fully compatible with a full line of dual and single element transducers. The versatile Professional Ultrasonic Thickness Gauge can be used in applications ranging from wall thinning measurements of internally corroded pipes with dual element probes to very precise thickness measurements of thin or multilayer materials with single element transducers. The Professional Ultrasonic Thickness Gauge comes standard with many powerful but easy-to-use measurement features and a host of application-specific software options. Its sealed case is designed to meet IP67 requirements to withstand the rigors of very wet or dusty environments. The color transfective VGA display provides superior readability from bright sunlight to complete darkness. It features a simple, ergonomic keypad that can be operated with the left or right hand for easy access to all functions.

Features

Dual and single element transducer compatibility
Wide thickness range: 0.08 mm (0.003 in.) to 635 mm (25 in.) depending on material and transducer selection
Corrosion thickness gaging with dual element transducers
Internal Oxide/Scale software option
Standard resolution of 0.01 mm or 0.001 in. for all transducers
High Resolution software option of 0.001 mm or 0.0001 in. with single element transducers 2.25 MHz to 30 MHz
Multilayer software option for measurements of up to 4 layers simultaneously
High Penetration software option for attenuating materials such as fiberglass, rubber and thick casting
Thickness, Velocity, and time-of-flight measurements
Differential mode and Reduction Rate mode
10,000 reviewable readings per scan

Specifications

Measurements	Dual element transducer measurement mode	Time interval from a precision delay after the excitation pulse to the first echo
	Through paint measurement mode	Measurement of true metal and coating thicknesses with a single back-wall echo
	Through paint echo to echo measurement mode	Time interval between two successive back-wall echoes to eliminate paint or coating thickness
Measurements modes	Single element transducer measurement modes	Mode 1: Time interval between the excitation pulse and the first back-wall echo
		Mode 2: Time interval between the delay line echo and the first back-wall echo (with delay or immersion transducers)
		Mode 3: Time interval between successive back-wall echoes following the first interface echo after the excitation pulse (with delay line or immersion transducers)
Thickness range	Material velocity range	Oxide: optional
		Multilayer mode: optional
Resolution (selectable)	Transducer frequency range	0.080 mm to 635.00 mm (0.003 in. to 25.000 in.) depending on material, transducer surface conditions, temperature, and selected configuration
		0.508 mm/μs to 13.998 mm/μs (0.020 in./μs to 0.551 in./μs)
Display	Power supply	Low: 0.1 mm (0.01 in.)
		Standard: 0.01 mm (0.001 in.)
Power supply	AC/DC adaptor, 24 V; lithium-ion battery 23.760 Wh; or 4 AA auxiliary batteries	High Resolution (optional): 0.001 mm (0.0001 in.)
		Standard: 2.0 MHz to 30 MHz (-3 dB)
		High Penetration (optional): 0.50 MHz to 30 MHz (-3 dB)

Size(HxWxD): 92mm x 185mm x 63mm

Weight: 706g

Accessories:

3.7V Li battery, USB cable, CD, gift box with carrying case.



Model 1580



CLT-1000 cable length tester features high accuracy and fast reflection, which finds distance to using Time Domain Reflectometry.

Features

High accuracy and fast reflection.
User friendly menu on screen
Operation for easy-to use
Automatic output impedance control
Auto-Zero and Auto Range
Large TFT Color LCD Display
Auto-Sensitivity allows for closer matching to a wide range of cables under test. Only V.O.P. Settings required
Measuring capability of the V.O.P. of a sample cable
99 internal memory locations store up to 99 traces for future analysis

Specifications

Minimum Range	pair cable or coaxial cable >5m
	Depends upon the V.O.P of the cables under test.
Maximum Range	3.0km @V.O.P≤99.9%, 2.4km @V.O.P≤80.0%, 2.0km @V.O.P≤66.0%, 1.5km @V.O.P≤50.0%
Range Selection	Automatic range control
Accuracy	± [2% of reading +10cm] < 100m, ± [2% of reading +20cm] ≥100m
Resolution	0.01m < 100m, 0.1m ≥100m
Impedance Selection	Automatic output impedance control
Cable Library	20 standard cable types
Memory Location	99 for custom cable types
Connector Type	BNC, RJ45

Size(HxWxD): 152mm x 61mm x 34mm Weight: 230g

Accessories:

2 x AA batteries, USB cable, CD, gift box with carrying case.

High accuracy and fast reflection.

3.0km @V.O.P≤99.9%



EMC
EN: 61326



Model CLT-1000

DT-265 Colorimeter

Colorimeter is widely used in different industries such as electroplating oxide, plastic cement, printing, paint, weaving and dyeing. It measures the sample color data Lab, Lch, color difference ΔE and ΔLab according to CIE color space.

Features

Free Color Management Software
Store 5 standard sample and 1000 reading records
Repeated Accuracy ΔE<0.1
Ergonomic Design
TFT true color 2.0 inch 320x240 LCD display
USB2.0 Full Speed interface
Bluetooth interface BLE4.0
Language selection English/Chinese

Specifications

Color Space	CIELAB CIELCH CIEXYZ RGB
Color Difference Formula	ΔE*Lab ΔE*Lch
Measurement Caliber	φ8mm
Illumination Condition	45°/diffused illumination
Light Source	D65/RGB LED
Sensor	RGB Silicon Photoelectric diode
Observer	CIE 10°Standard observer
Measurement Interval	1.5Sec
Battery	Li-ion battery, support USB charging, 1000 Measurements
Optional Accessories	Micro Bluetooth printer

Size(HxWxD): 150mm x 52mm x 30mm

Weight: 300g

Accessories:

3.7V Li battery, USB cable, CD, gift box with carrying case.



Made for
iPod iPhone iPad



EMC
EN: 61326



Model 265



EMC
EN: 61326
EN: 60825-1



Model VD-100



The VD-100 is a portable Voice-Data-Video wire tester. It tests and troubleshoots RJ11, RJ12, RJ45, and F-connector terminated cables. The built-in tone can be used to quickly locate cables in wiring closets and patch panels

Features

Voice: Tests RJ-11/12 6-wire Cables
Data: Tests RJ-45 8-wire Cables
Video: Tests F-Connector Coax Cables
Tone Generator
Cable Identification
Shield Detection
Voltage Warning
Low Battery Indication
Auto Power Off

Specifications

Maximum Coax Cable Length	1000 feet (305m)
Minimum Cable Length for Split Pair Detection	1.6 feet (0.5m)
Maximum Coax Cable Resistance	100 ohms maximum DC
Maximum Voltage between any two pins without damage	60V DC or 55V AC
Humidity	10% to 90%, non-condensing
Operating Temperature	32°F to 122°F (0°C to 50°C)
Storage Temperature	-4°F to 140°F (-20°C to 60°C)

Dimensions: 152mm x 61mm x 34mm

Weight: 230g

Accessories:

Two "AA" batteries, gift box with carrying case.

GPS-200 GPS Land Meter



EMC
EN: 61326
EN: 60825-1



The GPS Land Meter is developed by GPS positioning system, high-precision algorithm and other advanced technology. Any earth square and girth can be measured outdoor by GPS Land Meter

Features

Large TFT color LCD display
Any shape of earth square and girth can be measured (Included upland and slope).
The length or distance between any two points can be measured
Measuring Mode: Automatic and Manual
Measuring data, graphical traces, total amount of calculation can be showed on the screen.
Set up unit price according to the relative measuring units.
Keep and records 99 historical data and graphical traces. You can scan, find and delete them
Integrated cash detector, flashlight and backlight

Specifications

Square Measurement	Range	0-999999.99 m ²
	Measurement Error	1% - 5%
	Display Unit	mu/sq.m/ ha./ sq.km
Length Measurement	Range	0-999999.99 m
	Measurement Error	1-3m
	Units	meter/ kilometer
Power supply	9V battery	
Continuous working time	8-10 hours	

Dimensions: 160mm x 70mm x 38mm

Weight: 230g

Accessories: 9V battery, gift box with carrying case.



EMC
EN: 61326
EN: 60825-1

CCTV Monitor Tester & Cable Tester & Digital Multimeter provides multifunctions as PTZ control, Pan/tilts the P/T unit, zooms in/out the lens, adjusts the focus, aperture and sets and calls the preset position. Check open, short, cross reverse wire map for RJ45 and BNC, trace and locate RJ45 BNC and other metal cables.

Features

Large TFT color LCD display
Video signal test, NTSC/PAL automatic adaptation
Video Generating, The PAL/NTSC multi-system color bar video generator
Audio input testing and PTZ continuing rotate test.
PTZ control, Pan/tilts the P/T unit, zooms in/out the lens, adjusts the focus, aperture and sets and calls the preset position.
High precision automatic range digital multimeter
Check open, short, cross reverse wire map for RJ45 and BNC
Trace and locate RJ45 BNC and other metal cables.
DC12V power output, it can supply maximum 1A output current for camera
Measure the network cable, coaxial cable length
RS485 protocol test, 2400, 4800, 9600 baud rate selectable
Self-test function can automatically compensate the variation of the battery power, effect of environmental temperature change
Storage, retrieval and memory function
Flashlight function
Low battery indication
Large capacity rechargeable lithium battery

Specifications

Video Signal Test	Signal Mode: PAL/NTSC automatically suitable
	Analog Video Input
	Video Signal Output
PTZ Control and Test	Through the analysis of synchronous level signal attenuation amplitude
	Independently output 1 channel analog video signal
	Communication: RS485
Digital Multimeter Test	Support more than 20 kinds of Protocols
	Baud Rate: 2400 4800 9600
	DC Voltage: Max 1000V Accuracy 0.1V
Cable Test	AC Voltage: Max 750V Accuracy 0.1V
	DC Current: Max 10A Accuracy 0.1mA
	AC Current: Max 10A Accuracy 0.1mA
Other Function	Resistance: Max 40MΩ Accuracy 0.1Ω
	Diode Polarity Test
	Continuity Test
Other Function	Check open, short, cross reverse wire map for RJ45 and BNC
	Trace and locate RJ45 BNC and other metal cables.
	Measure the RJ45 and BNC Cable length up to 620 meter, with 98% accuracy
Other Function	Measurement of power and attenuation in optical fiber transmission
	Test the RS485 Data sent from controlling device
	1 channel audio signal input to test whether the sound is OK
Other Function	Adjust the screen brightness, contrast, color saturation to adapt different working environment

Dimensions: 190mm x 150mm x 48mm

Weight: 230g

Accessories: rechargeable lithium battery, gift box with carrying case.



Model LA-8000



Professional Laser Distance Meter of outdoor application

These professional Laser Distance Meters are designed to provide a high accuracy to special users, one person distance measuring and estimating tool to measure remote and difficult reaching places. The "H" series enhanced the measurement ability of outdoor application. Shortcut keys for addition, subtraction, Pythagoras, area and volume calculation make measuring fast and very reliable. The last 20 measurements are also stored.



EMC
EN: 61326
EN: 60825-1

strong Strengthening measurement optimization to adapt to the harsh environment

precision High accuracy of $\pm 1.5\text{mm}$

fast Fast measurement of 0.5 seconds

spirit 1mm measuring perception

Distance Measuring Range up 110m(360.8ft)



Model LDM-100H



Smart function
Minimum / maximum measurements, tracking and storage of results makes your work much easier.



Small and handy



EMC
EN: 61326
EN: 60825-1

Model LDM-110H

Model LDM-100H

Model LDM-80H

Model LDM-60H

Model LDM-40H

Features

	LDM-40H	LDM-50H/ LDM-100	LDM-60H	LDM-70H	LDM-80H	LDM-100H	LDM-110H	LDM-35	LDM-65
Measuring Range	40m(131.2ft)	50m(164.2ft)	60m(196.8ft)	70m(229.6ft)	80m(262.4ft)	100m(328.0ft)	110m(360.8ft)	35m(114ft)	65m(213.2ft)
Area, Volume Calculations	*	*	*	*	*	*	*	*	*
Indirect measurement using Pythagoras	*	*	*	*	*	*	*	*	*
Addition/Subtraction	*	*	*	*	*	*	*	*	*
Continuous Measurement	*	*	*	*	*	*	*	*	*
Min/Max Distance Tracking	*	*	*	*	*	*	*	*	*
Display illumination and multi-line display.	*	*	*	*	*	*	*	*	*
Buzzer indication	*	*	*	*	*	*	*	*	*
The LDM-H series enhanced the measurement ability of outdoor application	*	*	*	*	*	*	*	*	*
$\pm 1.5\text{mm}$ High Accuracy	*	*	*	*	*	*	*	*	*

Specifications

	LDM-40H	LDM-50H/ LDM-100	LDM-60H	LDM-70H	LDM-80H	LDM-100H	LDM-110H	LDM-35	LDM-65
Measuring Range	0.05 to 40m/ 0.15ft to 131.2ft	0.05 to 50m/ 0.15ft to 164.2ft	0.05 to 60m/ 0.15ft to 196.8ft	0.05 to 70m/ 0.15ft to 229.6ft	0.05 to 80m/ 0.15ft to 262.4ft	0.05 to 100m/ 0.15ft to 328.0ft	0.05 to 110m/ 0.15ft to 360.8ft	0.05 to 35m/ 0.15ft to 114ft	0.05 to 65m/ 0.15ft to 213.2ft
Measuring accuracy(2 σ)	Typically: $\pm 1.5\text{mm}(\pm 0.06\text{ in})$								
Smallest unit displayed	1mm								
Measuring units	m, in, ft								
Laser Class	Class II 635 nm, < 1mW								
Dust Protect/Splash proof	IP 54								
History measurement records	20								
Keyboard Type	Super Soft-Touch (Long life)								
Operating Temperature	-10°C to 50°C(14°F to 122°F)								
Storage Temperature	-20°C to 60°C(-4°F to 140°F)								
Battery Life	Up to 4,000 measurements								
Batteries	Type AAA 2 x 1.5V								
Auto. laser switch-off	after 0.5 min								
Auto instrument switch-off	after 3 min								

Size(HxWxD): 115mm x 48mm x 28mm **Accessories:**

Weight: 135g

2 x 1.5V AAA batteries and gift box with carrying case.



CE
EMC
EN: 61326
EN: 60825-1

Bluetooth
Made for iPod iPhone iPad



Features

- Unit selectable (m, ft, in)
- Area, Volume Calculations
- Continuous Measurement
- Min/Max Distance Tracking
- Bluetooth4.0 with APP support (iLDM only)
- Reference level selectable
- Water and dust proof
- Display illumination and 3-line display.
- Buzzer indication
- 1.4" TFT with Touch screen (LDM-25 only)

Specifications

	LDM-20	LDM-20S	LDM-25
Housing	Plastic	Metal	Plastic
Batteries	Type AAA 2 x 1.5V	Li-ion battery	Type AAA 2 x 1.5V
Display	2 Lines VA LCD	3 Lines STN	1.4" TFT Touch screen
Measuring Range	0.05 to 20m(0.15ft to 65ft)		
Measuring accuracy(2σ)	Typically: ±1.5mm(±0.06in)		
Smallest unit displayed	1mm		
History measurement records	20		
Measuring units	m,in,ft		
Laser Class	Class II 650 nm, < 1mW		
Dust Protect/Splash proof	IP 54		
Operating Temperature	-10°C to 50°C(14°F to 122°F)		
Storage Temperature	-20°C to 70°C(-4°F to 158°F)		
Battery Life	Up to 5,000 measurements		
Auto. laser switch-off	after 0.5 min		
Auto instrument switch-off	after 3 min		

Size(HxWxD): 100mm x 30mm x 22mm **Weight:** 100g
80mm x 30mm x 22mm(LDM-20S)
Accessories:
2 x 1.5V "AAA" batteries and gift box with carrying case.



Model iLDM-20



Model LDM-20S



Model LDM-25

Touch screen



CE
EMC
EN: 61326
EN: 60825-1

iLDM-30/50/LDM-30/50 Pen-type Laser Distance Meter is designed to use easily as a high-precision measurement tool. New compact design fits in every pocket and safely in places where access difficultly.

Features

	iLDM-30	iLDM-50	LDM-30	LDM-50
Bluetooth 4.0 with APP support	*	*		
Built-in level vial		*		*
Unit selectable (m, ft, in)	*	*	*	*
Area, Volume Calculations	*	*	*	*
Continuous Measurement	*	*	*	*
Min/Max Distance Tracking	*	*	*	*
Reference level selectable	*	*	*	*
Water and dust proof	*	*	*	*
Display illumination and 3-line display.	*	*	*	*
Buzzer indication	*	*	*	*

Specifications

iLDM-30/LDM-30 Measuring Range	0.05 to 30m(0.15ft to 98ft)
iLDM-50/LDM-50 Measuring Range	0.05 to 50m(0.15ft to 164ft)
Measuring accuracy(2σ)	Typically: ±1.5mm(±0.06in)
Smallest unit displayed	1mm
History measurement records	20
Measuring units	m,in,ft
Laser Class	Class II 635 nm, < 1mW
Dust Protect/Splash proof	IP 54
Operating Temperature	-10°C to 50°C(14°F to 122°F)
Storage Temperature	-20°C to 70°C(-4°F to 158°F)
Battery Life	Up to 5,000 measurements
Batteries	Type AAA 2 x 1.5V
Auto. laser switch-off	after 0.5 min
Auto instrument switch-off	after 3 min

Size(HxWxD): 136mm x 33mm x 26mm
Weight: 130g



Model LDM-50

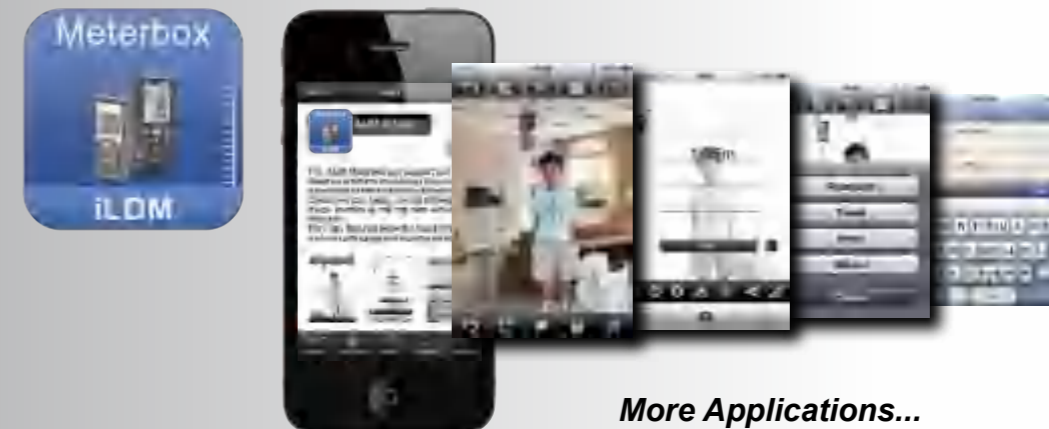


Meterbox-iLDM Software for Laser Distance Meter

Bluetooth

Amazing features and built-in apps.

The Meterbox-iLDM software can support our Laser Distance Meter product transferring the measured data to the customer's smartphone. Customers can easily use the software to check, transfer or edit the data with table and chart. They also have powerful cloud functions such as computing and storage service.



More Applications...



Model iLDM-30



Model LDM-281H



EMC
EN: 61326
EN: 60825-1

Features

- Area, Volume Calculations
- Indirect measurement using Pythagoras
- Indirect measurement using tilt sensor
- Angle measurement using tilt sensor(± 65°)
- Addition/Subtraction
- Continuous Measurement
- Min/Max Distance Tracking
- 2 Leveling bubble (LDM-240/260/280)
- Scales (LDM-140/160/281/281H)
- Display illumination and multi-line display
- Multifunctional endpiece
- Tripod thread
- Beep indication

Specifications

	LDM-240	LDM-140	LDM-260	LDM-160	LDM-280	LDM-281	LDM-280H	LDM-281H
Measuring Range	0.05 to 40m (0.15 ft to 131 ft)	0.05 to 60m (0.15 ft to 197 ft)	0.05 to 60m (0.15 ft to 197 ft)	0.05 to 60m (0.15 ft to 197 ft)	0.05 to 80m (0.15 ft to 229 ft)	0.05 to 80m (0.15 ft to 229 ft)	0.05 to 100m (0.15 ft to 328 ft)	0.05 to 100m (0.15 ft to 328 ft)
Measuring accuracy(2σ)	Typically: ±1.5mm(±0.06 in)							
Measuring units	m, in, ft							
Laser Class	Class II 635nm, < 1mW							
Smallest unit displayed	1mm							
Tilt sensor Measuring range	± 65°							
Dust Protect/Splash proof	IP 54							
History measurement records	99							
Keyboard Type	Super Soft-Touch (Long life)							
Operating Temperature	-10°C to 50°C(14°F to 122°F)							
Storage Temperature	-20°C to 60°C(-4°F to 158°F)							
Battery Life	Up to 5,000 measurements							
Auto laser switch-off	after 30 seconds							
Auto Power off	after 3 min							

Size(HxWxD): 115mm x 50mm x 38mm
Weight: 115g

Accessories:
2 x 1.5V "AAA" batteries and gift box with carrying case.



Model LDM-240



Model LDM-260



EMC
EN: 61326
EN: 60825-1

Features

	LDM-300	LDM-350	LDM-380
3.5" TFT Color LCD display	*	*	*
Built-in camera			*
Images(JPEG) & Video(3GP)			*
MicroSD memory card & datalogger function			*
Electrical compass		*	*
Angle measurement using tilt sensor(± 90°)		*	*
Area, Volume Calculations	*	*	*
Indirect measurement using Pythagoras	*	*	*
Addition/Subtraction	*	*	*
Continuous Measurement	*	*	*
Min/Max Distance Tracking	*	*	*
Timer (self-triggering)	*	*	*
Laser continuous	*	*	*
Stake out function	*	*	*
Display illumination and multi-line display.	*	*	*
Buzzer indication	*	*	*
Multifunctional end pieces	*	*	*
Bluetooth interface	*	*	*
Meterbox iLDM & cloud service	*	*	*

Specifications

	LDM-300	LDM-350	LDM-380
Measuring Range	0.05 to 100m(0.15 ft to 328 ft)	0.05 to 150m(0.15ft to 492ft)	0.05 to 200m(0.15ft to 656ft)
Measuring accuracy(2σ)	Typically: ±1.5 mm(± 0.06 in)	Typically: ±1.5mm(±0.06in)	Typically: ±1.5 mm(± 0.06 in)
Smallest unit displayed	1mm	1mm	1mm
Measuring units	m,in,ft	m,in,ft	m,in,ft
Laser Class	Class II 635 nm, < 1mW	Class II 635 nm, < 1mW	Class II 635nm,<1mW
Bluetooth distance	10m	10m	10m
Camera pixels			5Mega
Compass Measuring range		0-360°	0-360°
Compass Measuring accuracy		± 2°	± 2°
Tilt sensor Measuring range	± 90°	± 90°	± 90°
Tilt sensor Measuring accuracy		± 0.5°	± 0.5°
Dust Protect/Splash proof	IP 54	IP 54	IP 54
History measurement records	99	99	99
Keyboard Type	Super Soft-Touch (Long life)	Super Soft-Touch (Long life)	Soft-Touch Keypad
Operating Temperature	-10°C to 50°C(14°F to 122°F)	-10°C to 50°C(14°F to 122°F)	-10°C to 50°C(14°F to 122°F)
Storage Temperature	-20°C to 70°C(-4°F to 158°F)	-20°C to 70°C(-4°F to 158°F)	-20°C to 70°C(-4°F to 158°F)
Battery Life	Up to 8,000 measurements	Up to 5,000 measurements	Up to 5,000 measurements
Auto laser switch-off	after 0.5 min	after 0.5 min	after 0.5 min
Auto Power off	after 3 min	after 3 min	after 3 min



Size(HxWxD): 58mm x 135mm x 30mm
Weight: 191

Accessories:
2 x 1.5V "AAA" batteries and gift box with carrying case.



Model LDM-300



Model LDM-380

Professional Laser Distance Meter of outdoor application

iLDM-150 with Meterbox-iLDM Pro Software supports our laser distance meter transferring the measured data to the customer's smartphone.

Four application mode:

- family decorating
- Construction and acceptance
- Traffic survey
- Normal distance measuring

Software Functions:

- Distance measuring data transferred to Cloud
- Edit, analysis & Store the distance data
- Connecting with iPhone/iPod/iPad/Android Phone/ Android Pad
- Sharing the data with others by E-mail, facebook & twitter
- Trend capture
- Cloud backup

- Strong** — Strengthening measurement optimization to adapt to the harsh environment
- Precision** — High accuracy of ±1.5mm
- Fast** — Fast measurement of 0.5 seconds
- Spirit** — 1mm measuring perception
- Distance** — Measuring Range up 160m(524.9ft)



These professional Laser Distance Meters are designed to give special users a high accuracy, one person distance measuring and estimating tool to measure remote and difficult reaching places. The LDM-H series enhanced the measurement ability of outdoor application. Shortcut keys for addition, subtraction, Pythagoras, area and volume calculation make measuring fast and very reliable. The last 20 measurements are also stored.

Features

- Area, Volume Calculations
- Indirect measurement using Pythagoras
- Indirect measurement using tilt sensor
- Angle measurement using tilt sensor(± 65°)
- Addition/Subtraction
- Continuous Measurement & Timer (self-triggering)
- Min/Max Distance Tracking
- Laser continuous
- Stake out function
- Display illumination and multi-line display
- Multifunctional endpiece
- Tripod thread
- Bluetooth with APP support
- Meterbox iLDM & cloud service



Model iLDM-160H Model iLDM-150H Model iLDM-120H Model iLDM-100H

Specifications

	iLDM-150	iLDM-100H	iLDM-120H	iLDM-150H	iLDM-160H
Measuring Range	0.05 to 70 m/ 0.15 ft to 229 ft	0.05 to 100m/ 0.15ft to 328.0ft	0.05 to 120m/ 0.15ft to 393.7ft	0.05 to 150m/ 0.15ft to 492.1ft	0.05 to 160m/ 0.15ft to 524.9ft
Basic Specifications					
Measuring accuracy(2σ): Typically: ±1.5 mm(± 0.06 in);	Smallest unit displayed: 1mm				
Measuring units: m,in,ft	Laser Class: Class II 635 nm < 1mW				
Tilt sensor Measuring range: ± 65°	Range of bluetooth: 10m				
Dust Protect/Splash proof: IP 54	History measurement records: 99				
Keyboard Type: Super Soft-Touch (Long life)	Battery Life: Up to 8,000 measurements				
Auto laser switch-off: after 30 seconds	Auto instrument switch-off: after 3 min				

Size(HxWxD): 135mm x 58mm x 33mm **Accessories:** 2 x 1.5V AA batteries and gift box with carrying case.
Weight: 203g

LDM-600/1000/1200/1500 Laser range telescopic

Specifications

	LDM-600	LDM-1000	LDM-1200	LDM-1500
Measuring Range	3 to 600 m	3 to 1000m	3 to 1200m	3 to 1500m
Measuring accuracy(2σ)	Typically: ±1m			
Measuring units	m,ft			
Laser Class	Class I			
Smallest unit displayed	1m			
Dust Protect/Splash proof	IP 54			
Operating Temperature	-10°C to 50°C(14°F to 122°F)			
Storage Temperature	-20°C to 60°C(-4°F to 140°F)			
Battery Life	Up to 3000 measurements			
Batteries	Li-on			
Auto laser switch-off	after 30 seconds			
Auto power off	after 3 min			

Size(HxWxD): 115mm x 75mm x 40mm **Accessories:** 2 x 1.5V AA batteries and gift box with carrying case.
Weight: 203g



CE
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EN: 61326
EN: 60825-1

Worldwide Patent:
PCT/CN2012/081593



LDM-180/200/220 professional Laser Distance Meters are integrated with 2.4" color TFT LCD display, and the powerful embedded operating system. The series offer Bluetooth interface with computer or mobile phone connection, you can use meterbox software provided by CEM to interact with these range finders. The user can be back with measured data and recorded images(JPEG) or video(3GP) in office to analyze the measured readings under the support of the software.

Meterbox iLDM software & cloud server support to transfer the measured data to the customer's smartphone for edit and storage.



Features	LDM-180	LDM-200	LDM-220
2.4" TFT 320x240 pixels color LCD display		*	*
Build-in Telescope			*
Electrical compass		*	*
Angle measurement using tilt sensor(± 65°)		*	*
Area, Volume Calculations	*	*	*
Indirect measurement using Pythagoras	*	*	*
Addition/Subtraction	*	*	*
Continuous Measurement	*	*	*
Min/Max Distance Tracking	*	*	*
Timer (self-triggering)	*	*	*
Laser continuous	*	*	*
Stake out function	*	*	*
Display illumination and multi-line display.	*	*	*
Buzzer indication	*	*	*
Multifunctional end pieces	*	*	*
Bluetooth interface	*	*	*
Meterbox iLDM & cloud service	*	*	*



Model LDM-180

Model LDM-200



Meterbox-iLDM Software for Laser Distance Meter
Amazing features and built-in apps.

The Meterbox-iLDM software can support our Laser Distance Meter product transferring the measured data to the customer's smartphone. Customers can easily use the software to check, transfer or edit the data with table and chart.

They also have powerful cloud functions such as computing and storage service.

Specifications	LDM-180	LDM-200	LDM-220
Measuring Range	0.05 to 80 m/ 0.15 ft to 229 ft	0.05 to 100m/ 0.15ft to 328ft	0.05 to 120m/ 0.15ft to 328ft
Measuring accuracy(2σ)	Typically: ±1.5 mm(± 0.06 in)	Typically: ±1.5mm(±0.06in)	Typically: ±1.5 mm(± 0.06 in)
Smallest unit displayed	1mm	1mm	1mm
Measuring units	m,in,ft	m,in,ft	m,in,ft
Laser Class	Class II 635 nm, < 1mW	Class II 635 nm, < 1mW	Class II 635nm,<1mW
Range of bluetooth	10m	10m	10m
Camera pixels		5Mega	
Compass Measuring range		0-360°	0-360°
Compass Measuring accuracy		± 2°	± 2°
Tilt sensor Measuring range	± 65°	± 65°	± 65°
Tilt sensor Measuring accuracy		± 0.5°	± 0.5°
Dust Protect/Splash proof	IP 54	IP 54	IP 54
History measurement records	50	100	100
Keyboard Type	Super Soft-Touch (Long life)	Super Soft-Touch (Long life)	Soft-Touch Keypad
Operating Temperature	-10°C to 50°C/ 14°F to 122°F	-10°C to 50°C/ 14°F to 122°F	-10°C to 50°C/ 14°F to 122°F
Battery Life	Up to 8,000 measurements after 0.5 min	Up to 5,000 measurements after 0.5 min	Up to 5,000 measurements after 0.5 min
Auto laser switch-off	after 0.5 min	after 0.5 min	after 0.5 min
Auto instrument switch-off	after 3 min	after 3 min	after 3 min

Size(HxWxD): 140mm x 55mm x 35mm

Weight: 145g

Accessories:
2 x 1.5V AA batteries and gift box with carrying case.

Accurate measurement up to 80m (LDM-80S/iLDM-80S)

These professional Laser Distance Meters are designed to provide special users a high accuracy, one person distance measuring and estimating tool to measure remote and difficult to reach. The compact and handheld design for indoor applications. Shortcut keys for addition, subtraction, Pythagoras, area and volume calculation make measuring fast and very reliable. The last 50 measurements are also stored.

The iLDM series offer Bluetooth interface with computer or mobile phone connection, you can use meterbox software provided by CEM to interact with these range finders.



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EN: 60825-1

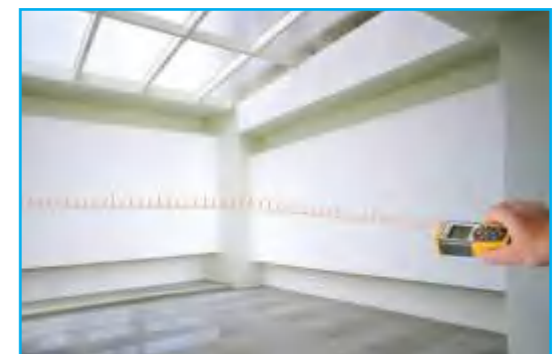


Model iLDM-35S



Model LDM-65S

Features	LDM-35S	LDM-65S	LDM-80S
Area, Volume Calculations	*	*	*
Indirect measurement using Pythagoras	*	*	*
Angle measurement using tilt sensor(± 90°)	*	*	*
Addition/Subtraction	*	*	*
Continuous Measurement	*	*	*
Min/Max Distance Tracking	*	*	*
Display illumination and 4-line display.	*	*	*
Buzzer indication	*	*	*
Bluetooth interface	iLDM-35S	iLDM-65S	iLDM-80S



Simple to operate
Due to the shortcut keys addition and subtraction, as well as surface and volume calculations could be easier.



Model iLDM-80S

Specifications	LDM-35S/iLDM-35S	LDM-65S/iLDM-65S	LDM-80S/iLDM-80S
Measuring Range	0.05 to 35m(0.15ft to 98ft)	0.05 to 65m(0.15ft to 213ft)	0.05 to 80m(0.15ft to 262ft)
Measuring accuracy(2σ)	Typically: ±1.5mm(±0.06in)	Typically: ±1.5 mm(± 0.06 in)	Typically: ±1.5 mm(± 0.06 in)
Smallest unit displayed	1mm	1mm	1mm
Measuring units	m,in,ft	m,in,ft	m,in,ft
Laser Class	Class II 635 nm, < 1mW	Class II 635nm,<1mW	Class II 635nm,<1mW
Dust Protect/Splash proof	IP 54	IP 54	IP 54
History measurement records	99	99	99
Tilt sensor Measuring range		± 65°	± 65°
Tilt sensor Measuring accuracy		± 0.5°	± 0.5°
Keyboard Type	Soft-Touch Keypad	Soft-Touch Keypad	Soft-Touch Keypad
Operating Temperature	-10°C to 50°C(14°F to 122°F)	-10°C to 50°C(14°F to 122°F)	-10°C to 50°C(14°F to 122°F)
Storage Temperature	-20°C to 70°C(-4°F to 158°F)	-20°C to 70°C(-4°F to 158°F)	-20°C to 70°C(-4°F to 158°F)
Battery Life	Up to 4,000 measurements	Up to 4,000 measurements	Up to 4,000 measurements
Batteries	Type AAA 2 x 1.5V	Type AAA 2 x 1.5V	Type AAA 2 x 1.5V
Auto. laser switch-off	after 0.5 min	after 0.5 min	after 0.5 min
Auto power off	after 3 min	after 3 min	after 3 min

Size(HxWxD): 115mm x 54mm x 32mm

Weight: 145g

Accessories:
2 x 1.5V AAA batteries and gift box with carrying case.



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Model LA-101

LA-101 uses electronic signals to locate the edges of studs, joists or live AC wires through drywall or other common building materials. Depth detection selected by activation button for 1/2 inch, 1 inch and 1 1/2 inch. Once LA-101 displays red LED and sounds an audible tone.

Specifications

	Range
Wood or Metal Studs	0 ~ 1 1/2" (38mm)
Live AC Wires	0 ~ 2" (50mm)
Wood	±1/8" (3mm)
Metal	±1/4" (6mm)
Operating Temp	0°C ~ 40°C
Surface Temp	-20°C ~ 60°C
Power Source	9V

Size(HxWxD): 145mm x 60mm x 28mm

Weight: 150g

Accessories: 9V battery, gift box with carrying case.

LA-1010 3 in 1 Stud/Metal/AC Voltage Finder

Features and Benefits

- Laser leveling, layout and stud locating on vertical and horizontal surfaces
- wood, metal and live wire detection-detects wood up to 3/4" depth
- 180 degree pivoting laser plane with level and plumb vials
- 20' laser line projection onto work surface with 90 degree squaring
- Two self contained hang pins to mount unit to work surface (vertical or horizontal)
- LCD sensing and mode display with new target graphics
- LED display with continuous live wire detection
- Thumb dial adjustable feet for leveling the laser
- Easy keypad operation
- Ergonomically designed for comfort and grip
- Requires a 9 Volt battery

Size(HxWxD): 180mm x 67mm x 38mm

Weight: 180g

Accessories: 9V battery, gift box with carrying case.



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Model 1010

DM-01 Ultrasonic Distance Meter

Model DM-01



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- Measures in imperial/metric
- Start point selection
- Data store/recall
- Computes areas and volumes
- 5 groups of value in memory
- Sum of lengths
- Auto/manual shut-off
- LCD backlight
- Beeps for wrong reading finding and reading confirmation
- Laser pointer

Specifications

Measuring range	0.5 ~ 16m (1.64 ~ 52.48 feet)
Accuracy	+/-0.4 within 6m (20 feet) and +/-0.8 above 6m
Conditions	0 ~ 40°C, 45% ~ 90%RH
Power supply	9V battery
Current consumption	Stand-by current: <=2 Ua; Operating current: 20-50mA
Auto shut-off	120 seconds

Size(HxWxD): 154mm x 61mm x 46mm

Weight: 190g

Accessories: 9V battery, gift box with carrying case.



1500 Concrete Scanner Provides a real-time view of the inside of concrete structures and generates true images automatically for direct on-site evaluation of scan data by the user - no expert skills required. There are three scan modes for specific applications: Quickscan detection, Quickscan recording and Imagescan. It is also suited for determining where to place measuring spots or drill holes in ceiling with wooden beams, light-construction walls, underfloor heating systems etc.

Features

- A real-time view of the inside of concrete structures and generates true images automatically for direct on-site evaluation of scan data by the user - no expert skills required
- Three scan modes for specific applications: Quickscan detection, Quickscan recording and Imagescan (2-D and 3-D data visualization with top view and cross sectional views)
- Compact all-in-one hand-held design offers easy, user-friendly operation, quick start-up for speed of use plus unmatched data visualization
- Displays a top view of the scan for easy object mapping plus cross sections in both directions for easy identification of multiple layers in concrete structures
- Powerful monitor unit for in-depth, on-site scan analysis plus PC software for subsequent data evaluation and documentation

Specifications

Detection depth:	<150 mm
Accuracy of depth indication:	<100 mm: ±10 mm; >100 mm: ±15 %
Localisation accuracy:	±10 mm
Minimum distance between two neighbouring objects:	40 mm

Applications

- Locating rebars, tendons, metal and plastic conducts, glass-fibre cables, voids and wood in dry concrete structures at depths of up to 150 mm
- Minimizes the risk of hitting concealed objects when drilling anchor holes or through holes, breaking out openings and in diamond coring and sawing work
- Rebar extension (post-installed rebar connections) in structural applications
- Inspection of floors, decks, slabs, balconies, etc. in structures such as tunnels, bridges and buildings
- Detection of voids and cavities

Size(HxWxD): 280mm x 130mm x 180mm

Weight: 2.3kg

Accessories: 3.7V Li battery, power adaptor, gift box with carrying case.



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Model 1500





Perfect tool for HVAC inspection, vent pipe, machine equipment, engine, automotive, parts assembly, construction sites, wind turbines inspection. It will play an important role in seeing the digestion or other glitches when the place is hard to reach. It can be easily connected with your phone, computer and other terminals (such as BS-380B) via wifi.



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Model BS-100W

Model BS-100W Specifications

Gooseneck length	1m/1.5m/2m Optional
Camera diameter	9mm(0.354")
Pixels	1280x720/640x480
Optimum focal length	4cm~10cm
FOV	70°
Wi-Fi Protocol/Standard	IEEE 802.11b/g/n
Wi-Fi Support system	Android ,iOS
Wi-Fi transmission distance	≥10m
Battery	lithium battery 4.2V 1800mA
DC Charge	DC 5V 2A

Model BS-380B Specifications

Digital Screen	8" 1024x768 TFT LCD
Image resolution	1600x1300
Video resolution	1280x720
File format	Image:jpg; video:mp4
Digital zoom	5.0x
Image rotation	90°
Image input	Double path
White balance	Automatic white balance
Video output	HDMI
Storage medium	Memory :500MB SD card:Standard 8GB /MAX 64GB
Wi-Fi work pattern	Station
Brightness level	10 level (6 LED)
Flashlight	√
Battery	lithium battery 4.2V 1800mA
DC Charge	DC 5V 2A

Size(HxWxD): 30mm x 122mm x 18mm **Weight:** 78g

Accessories:
3.7V Li battery, power adaptor, mirror, hook, USB cable, AV cable, magnet, gift box with carrying case.



Model BS-380B

High definition 8" Color TFT LCD, supporting 4MP photo/full HD video, time/date display and multi-languages.Video and images can also be transferred to your PC via the SD Card or USB cable(included). Modern design housing with waterproof (IP67) flexible gooseneck retains configured shape.



Features:

- 7" color LCD TFT with high definition 800x600 resolution
- Compact, high-resolution water-proof camera probe
- Camera head with four built-in bright LED lamps with dimmer to illuminate viewed object
- Glare-free close-up field of view
- SD memory card included to store more than 14,600 images
- Video recording (up to 2 hours) with voice annotation
- AV output for viewing images and video directly on a monitor
- Video and images can be transferred to PC via the SD card or USB output
- Includes SD card, 3.7V rechargeable Li-Polymer battery, patch cable, AC adaptor, USB and AV cables, camera probe, and hard carrying case

Φ17mm 4Mega Pixels
Camera Probe



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Model BS-380

Specifications

Digital screen	8" 800x600 TFT LCD
Picture format	JPG(2688x1512/640x480)
Video format (MP4)	1080P @ 30fps 640x480 @ 30fps
Wi-Fi Frequency range	2.400 ~ 2.4835GHz
Wi-Fi Protocol/Standard	IEEE 802.11b/g/n
Wi-Fi Support system	iOS, Android
Wi-Fi Distance	10m(Indoor)
Camera diameter	2 Megapixel@17mm ,VGA@5.5mm
Viewing direction	Viewing angle 0 and 180°
Zoom and Rotation	20x Image Zoom in 1080P, 90° rotation
Gooseneck length	1m(39")
Camera diameter	17mm(0.66")
Viewing distance	5cm to 15cm
SD card	2GB/Max 8GB/HCS D 32G (Class4)
Working voltage	Li Battery 3.7V/1800mA
Language	Support English,French,German, Spanish
Output	AV-out/ USB-CAM/HDMI

Size(HxWxD): 240mm x 160mm x 100mm

Weight: 584g

Accessories:

3.7V Li battery, power adaptor, mirror, hook, USB cable, AV cable, magnet, gift box with carrying case.



HD-17
Φ17mm 2Mega Pixels
Camera Probe



Features a 7" (177.8mm) high definition color LCD monitor



High definition 3.5" Color TFT LCD Video Borescope is with Articulating(120°) probe. Video and images can also be transferred to your PC via the SD Card or USB cable(included). Modern design housing with waterproof (IP67) flexible gooseneck retains configured shape.

Features:

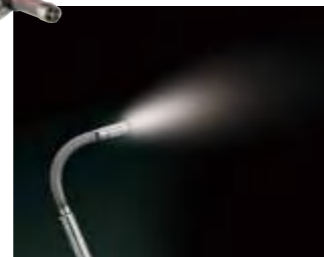
- Articulating probe tip adjusts up to 120° viewing angle
- 3.5" color LCD TFT with high definition 320x240 resolution
- Compact, high-resolution water-proof camera probe
- Camera head with four built-in bright LED lamps with dimmer to illuminate viewed object
- Glare-free close-up field of view
- SD memory card included to store more than 14,600 images
- Video recording (up to 2 hours) with voice annotation
- AV output for viewing images and video directly on a monitor
- Video and images can be transferred to PC via the SD card or USB output
- Includes SD card, 3.7V rechargeable Li-Polymer battery, patch cable, AC adaptor, USB and AV cables, camera probe, and hard carrying case



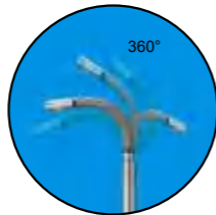
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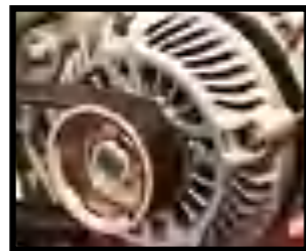
Model BS-185



Camera Tip features built-in LED lights



Inspection Camera with 6mm Semi-Rigid Cable, Articulating (360°) Probe (1m)



Features a 4" high definition color LCD monitor



Specifications	
Digital screen	3.5" 320x240 TFT LCD
Picture format	JPG(640x480)
Video format (AVI)	640x480 @ 30fps
Camera diameter	0.3 Megapixel VGA@6.5mm
Viewing distance	5cm to 15cm
Viewing angle(adjust)	320°
FOV	55°
Zoom	2x Image Zoom
Gooseneck length	1m(39")
Camera diameter	6.5mm(0.256")
SD card	4GB/Max 32GB/HCS D 32G (Class4)
Working voltage	Li Battery 3.7V/1800mA
Language	Support English,French,German, Spanish
Output	AV-out/ USB-CAM

Size(HxWxD): 190mm x 110mm x 90mm
Weight: 384g

Accessories:
3.7V Li battery, power adaptor, mirror, hook, USB cable, AV cable, magnet, gift box with carrying case.

BS-181/182W/183W Video Borescope with iScope software

Meterbox iScope permits the wirelessly stream high-quality video from a camera at the tip of a long probe to the screen of a nearby iPhone or iPad or Android smartphone or tablet computer. Typical applications include inspections of hard-to-reach or hard-to-see areas like crowded engine compartments, equipment enclosures or HVAC ductwork.

Soft buttons on each app allow the user to record inspection video clips and take snapshots of the video stream and store them on the iPhone, iPad or Android device. A saved clip or snapshot can be shared immediately by attaching it to a text message, or shared later via e-mail or Skype.



Φ17mm 5Mega Pixels Camera Probe

High definition 3.5" Color TFT LCD, supporting photo/video, time/date display and multi-languages. Video and images can also be transferred to your PC via the SD Card or USB cable(included). Modern design housing with waterproof(IP67) flexible gooseneck retains configured shape.

- 3.5" 3.5" Color TFT LCD
- Flexible gooseneck imager head with waterproof and Easily perform visual inspections in hard to reach areas
- Camera and Video function
- Compatible with TV(TV-OUT)
- Allows user to view image on LCD monitor
- High visibility and 10 degree adjustable LED lighting
- Rechargeable battery with USB cable Support SD memory card extension
- Menu with multinational language

Specifications		
	BS-280	BS-280W
LCD screen type	3.5" TFT	
LCD Pixels	320x240	
The max number of frames(FPS)	30FPS/S	
Picture format from the camera	JPG(640x480)	JPG(640x480/2592x1944)
Camera video format	MP4/AVI (640x480)	MP4/AVI(640x480/720p)
Auto focus		5 Megapixel
Gooseneck length	1m(39")	
Camera diameter	17mm(0.66")	
Viewing distance	5cm to 15cm	
Viewing angle	68°	
Zoom and Rotation	3xZoom, 5°/15°/30°/90° rotation	2xZoom, 90° rotation
Wi-Fi Support system		iOS, Android
SD card	2GB/Max 32GB	
Working voltage	Li Battery 3.7V/1800mA	
Language	Support English,French,German, Spanish	

Size(HxWxD): 240mm x 160mm x 100mm
Weight: 584g

Accessories:
3.7V Li battery, power adaptor, mirror, hook, magnet, gift box with carrying case.

BS-181/182W/183W Video Borescope



Model 183W

Model 182W

Specifications		
	182W	183W
Max number of frames(FPS)	30fps/s	30fps/s
Wi-Fi Protocol/Standard	IEEE 802.11b/g/n	IEEE 802.11b/g/n
Wi-Fi Frequency range	2.400 ~ 2.4835GHz	2.400 ~ 2.4835GHz
Wi-Fi Modulation mode	802.11b/g/n	802.11b/g/n
Wi-Fi Support system	iOS, Android	iOS, Android
Wi-Fi Distance	10m(Indoor)	10m(Indoor)
Gooseneck length	1m(39")	1m(39")
Camera diameter	17mm(0.66")	5.5mm(0.217")
Rotation		360°
Viewing distance	5cm ~ 15cm	5cm
Viewing angle	68°	55°
Working voltage	Li Battery 3.7V/1400mA	Li Battery 3.7V/1400mA

182W/183W is a Wi-Fi borescope that can wirelessly stream high-quality video from a camera at the tip of a long probe to the screen of a nearby iPhone or iPad or Android smartphone or tablet computer. Typical applications include inspections of hard-to-reach or hard-to-see areas like crowded engine compartments, equipment enclosures or HVAC ductwork.

Model 181

BS-100/101/150/151/150B
Video Borescope

3.2" Color TFT LCD, supporting photo/video, time/date display and multi-languages. Video and images can also be transferred to your PC via the SD Card or USB cable (included). Waterproof (IP67) flexible gooseneck retains configured shape.

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Specifications	BS-150	BS-150B	BS-151
LCD screen type	3.2" TFT	3.2" TFT	3.5" TFT
LCD Pixels	320x240		
The max number of frames (FPS)	30FPS/S		
Picture format from the camera	JPG(640x480)		
Camera video format	3GP	AVI(720x240)	MP4(640x480)
Gooseneck length	1m(39")		
Camera diameter	17mm(0.66")		
Viewing distance	5cm to 15cm		
Viewing angle	68°		
Zoom			2.0X
Rotation		Mirror 180°	90°
SD card	Max 8GB	2GB/Max 8GB	
Working voltage	Li Battery 3.7V/1800mA		
TV-OUT	PAL/NTSC	NTSC	PAL/NTSC
Language	Support English, French, German, Spanish		



Size(HxWxD): 240mm x 160mm x 100mm
Weight: 584g

Accessories:
3.7V Li battery, power adaptor, USB cable, mirror, hook, magnet, gift box with carrying case.



Size(HxWxD): 240mm x 160mm x 100mm
Weight: 584g
Accessories:
3.7V Li battery, power adaptor, mirror, hook, magnet, gift box with carrying case.

Model 101



Size(HxWxD): 240mm x 160mm x 100mm
Weight: 584g
Accessories:
3.7V Li battery, power adaptor, mirror, hook, magnet, gift box with carrying case.

Model 100

Features	
Support real-time live view	
TV peripherals to support operations in other devices	
Highlighted with LED to support the operation in the dark	
Built-in 1800mAh lithium battery, support USB charging	
Standby function to support the charge	
Support rotating the image 180° from top to bottom	
Flexible gooseneck imager head with waterproof	
3.5" Color TFT LCD	
Specifications	
LCD screen type	3.5" TFT
LCD Pixels	320x240
The max number of frames (FPS)	30FPS/S
Gooseneck length	1m(39")
Camera diameter	17mm(0.66")
Viewing distance	5cm to 15cm
Viewing angle	68°
Zoom	2.0X
Working voltage	Li Battery 3.7V/1800mA
TV-OUT	PAL/NTSC system

Features	
Support real-time live view	
TV peripherals to support operations in other devices	
Highlighted with LED to support the operation in the dark	
Built-in 1800mAh lithium battery, support USB charging	
Standby function to support the charge	
Support rotating the image 180° from top to bottom	
Flexible gooseneck imager head with waterproof	
3.0" Color TFT LCD	
Specifications	
LCD screen type	3.0" TFT
LCD Pixels	960x240
The max number of frames (FPS)	30FPS/S
Gooseneck length	1m(39")
Camera diameter	17mm(0.66")
Viewing distance	5cm to 15cm
Viewing angle	68°
Working voltage	Li Battery 3.7V/1800mA
TV-OUT	PAL/NTSC system

BS-060
Video Borescope

2.4" Color TFT LCD, supporting real-time live view and multi-languages. Waterproof (IP67) flexible gooseneck retains configured shape.

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Features
Support real-time live view
Built-in 2000mAh lithium battery, support USB charging
Standby function to support the charge
Flexible gooseneck imager head with waterproof
Camera function

Specifications	
Color TFT LCD screen type	2.4" TFT (480x234 Pixels)
The max number of frames (FPS)	30FPS/S
Gooseneck length	1m(39")
Camera diameter	17mm(0.66")
Viewing distance	5cm to 15cm
Viewing angle	68°
Working voltage	Li Battery 3.7V/2000mA

Size(HxWxD): 135mm x 68mm x 30mm
Weight: 180g

Accessories:
3.7V 1400mAh Li battery, gift box with carrying case.



Model BS-060

BS-128 Video Borescope

Features
Support real-time live view
Highlighted with LED to support the operation in the dark
4 x AA battery
Standby function to support the charge
Support rotating the image 180° from top to bottom
Flexible gooseneck imager head with waterproof
2.4" Color TFT LCD

Specifications	
LCD screen type	2.4" TFT
LCD Pixels	480x234
The max number of frames (FPS)	30FPS/S
Gooseneck length	1m(39")
Camera diameter	17mm(0.66")
Viewing distance	5cm to 15cm
Viewing angle	68°
Working voltage	4 x AA

Size(HxWxD): 240mm x 160mm x 100mm
Weight: 584g

Accessories:
4 x AA battery, mirror, hook, magnet, gift box with carrying case.



Model BS-128

BS-050 Video Borescope / CT-050 Camera Tester

Features (CT-050 Camera Tester)
Install 1400mAh Li battery
High definition 2.4" TFT LCD resolution 480x234
NTSC/PAL switch automatic
No video signal input, then will switch to standby model automatic. If video signal detected will arouse automatic and enter work state.
Easy to use and carry

Specifications		BS-050	CT-050
LCD screen type	2.4" TFT	*	*
LCD Pixels	480x234	*	*
The max number of frames (FPS)	30FPS/S	*	*
Gooseneck length	1m(39")	*	*
Camera diameter	17mm(0.66")	*	*
Viewing distance	5cm to 15cm	*	*
Viewing angle	68°	*	*

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Model BS-050

Model CT-050

Size(HxWxD): 135mm x 68mm x 30mm
Weight: 173g

Accessories:
3.7V 1400mAh Li battery, gift box with carrying case.

Alcohol Tester



iAlcotest software for Alcohol Tester

Meterbox iAlcotest software allows to display the real time blowing pressure and alcohol concentration, the digital readings and user interface color will be changed according to the blowing pressure and alcohol concentration

The smart choice

- Scene mode
- Party mode
- Police mode
- Driving self testing
- Group assignment
- Family use
- History record for each mode



Bluetooth

Made for
iPod iPhone iPad

800A/800B are simple to use, rapid response tester that are used to determine whether or not a person has any alcohol in their breath. They use the fuel cell sensor, so the reading is impossible to be affected by anything in the subject's breath other than alcohol.

800A is with red and blue backlit alarm for drunkenness.

800B is with red LED alarm for drunkenness.

Features

	800A	800B
Fuel cell sensor is high accuracy and reliability	*	*
Short warm up time, fast response and recovery time	*	*
Magnificent man-machine interaction interface	*	*
Real time reading display	*	*
Two stages acousto-optic alarm for drink and drunkenness	*	*
Auto power off under lack of pressure	*	*
Refuse test and interruption indication	*	*
Five detection unit selectable (mg/L,mg/100ml,g/L,%BAC,%BAC), Alarm level adjustable	*	*
Disposable backflow blowing nozzle design, safety and health	*	*
High capacity rechargeable battery power	*	*
Multinational drunk driving alarm threshold selection	*	*
Red and blue backlit alarm	*	*
Red LED alarm		*
Datalogger and storage function		*
Detection data centralized management and USB interface to PC		*
Built-in Bluetooth, the detection data can be transferred and shared with cloud storage and cloud computing of the meter's cloud service by a smart mobile.		*
The historical record of the inquiry function		*



Model 800A

Specifications

Detection range	0.000mg/L ~ 1.500mg/L
Resolution	0.001mg/L
Accuracy	C < 0.400 : ±0.020mg/L 0.400 ≤ C < 1.000 : ±5% C ≥ 1.000 : ±20%
Repeatability	C < 0.400 : 0.007mg/L 0.400 ≤ C < 1.000 : 1.75% C ≥ 1.000 : 6%
Calibration cycle	6 months
Operation temperature range	0 ~ 50°C
Storage temperature range	-10 ~ 60°C
Breath flow continuity	3s (flow: >20L/min)
Working voltage	7.4V (Rechargeable battery)



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Model 800B

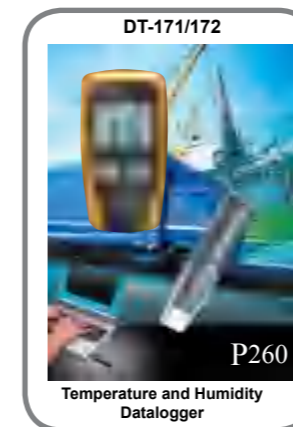
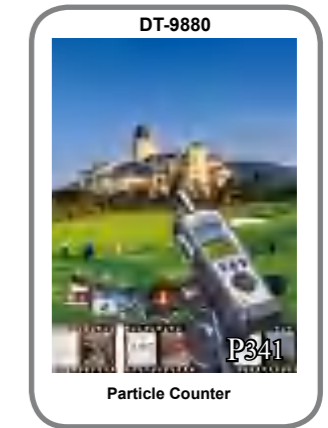
Size(HxWxD): 240mm x 160mm x 100mm

Weight: 584g

Accessories:

7.4V Li battery, power adaptor, pipe, gift box with carrying case.

Professional Multifunction Environment Meters



DT-179
Carbon Monoxide
Datalogger (P246)



DT-185
Light Datalogger (P247)



DT-186
Anemometer Datalogger (P247)



DT-171
Humidity & Temperature
Datalogger (P243)



DT-171V
DC Voltage Datalogger (P244)



DT-171T
Type-K temperature
Datalogger (P243)



DT-173
Sound Level Datalogger (P245)



DT-174B
Humidity/Temperature & Air
Pressure Datalogger (P246)



DT-178A
3-Axis Vibration Datalogger (P248)

DT-172
Temperature & Humidity
Datalogger (P244)



DT-190
Moisture Datalogger (P284)



DT-175CV1
AC Current & Voltage Datalogger (P193)



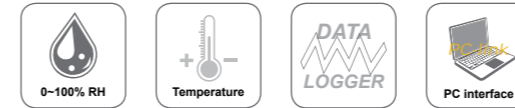
DT-100B
Bluetooth Transmitter



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DT-1700/1701/1702

Laboratory Temperature & Humidity / Sound Level / CO Datalogger



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Features	1700	1701	1702
Humidity & temperature readings, plus Time and Date	*		
Sound Level, humidity & temperature readings, plus Time and Date		*	
Carbon monoxide, humidity & temperature readings, plus Time and Date			*
Measures Humidity & Temperature plus included software calculates and graphs Dew Point, Wet Bulb, and GPP (grains per pound)	*	*	*
Large dual graphical LCD displays with adjustable vertical and horizontal TAC resolution	*	*	*
Internal memory records up to 80 Million data points	*	*	*
7" TFT color LCD indicates percentage of memory remaining	*	*	*
Replaceable probe does not require recalibration	*	*	*
Detachable probe extends up to 1 meter for measurements in closed environments	*	*	*
Audible and visual alarm with Hi/Low setpoints	*	*	*
Output socket used with optional external alarm module	*	*	*
Scroll the cursor to display selected data recorded	*	*	*
Desk or wall mount	*	*	*
Bluetooth interface to smartphone/PC	*	*	*
Smart touchscreen	*	*	*
Sample rate 1 second	*	*	*

Specification	1700	1701	1702
Relative Humidity Range	0 ~ 100.0%	*	*
Temperature Range	-28.0 ~ 60.0°C (-20.0 ~ 140.0°F)	*	*
Accuracy	±3% Relative Humidity; ±1.8°F/±1°C	*	*
Sound level meter		*	
Sound level Range	Auto: 30dB~130dB (31.5HZ ~ 8kHz)	*	
Accuracy	±1.4dB (IEC61672 -1 CLASS2)	*	
Carbon monoxide meter			*
Carbon monoxide Range	0 ~ 1000PPM		*
Accuracy	±5% or ±10 PPM		*

Size(HxWxD): 180mm x 115mm x 18mm Accessories :
Weight: 450g 3.7V Lithium battery, software and clamshell.



Model 1700



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Model 1702

DT-808 Desktop Indoor Air Quality CO₂ Monitor

Features

- 7" Color TFT LCD Display
- Checks for Carbon Dioxide (CO₂) concentrations (0 to 9,999ppm) and displays Temperature (14 to 140°F / -10 to 60°C) and Relative Humidity (0.1 to 99.9%) readings
- NDIR (non-dispersive infrared) CO₂ sensor
- Indoor Air Quality displayed in ppm with Good, Normal, Poor indication
- Displays Year, Month, Date, and Time
- Max/Min CO₂ value recall function



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Specifications	Function	Range	Resolution	Accuracy
CO ₂	0-9999ppm	1ppm	±5%±75ppm	
Temperature	-10 to 60°C/14 to 140°F	0.1°C/°F	±1°C/1.8°F	
Humidity	0.1 to 100.0%RH	0.1%RH	±3%RH(25°C/30 to 99%RH) ±4%RH(25°C/0 to 30%RH)	

Size(HxWxD): 205mm x 110mm x 35mm
Weight: 350g
Accessories : NiMH battery, gift box with carrying case.



Model 808



191 series Plug-PDF Temperature/Humidity datalogger can monitor temperature and humidity values efficiently and conveniently for long time by using the Datalogger.

The readings are saved in the logger and simply read out by your PC with USB interface.



Model 191

Features	191	191A	191B
Temperature datalogger	*		
Temperature and humidity datalogger		*	
Temperature and air pressure datalogger			*
Immediately USB flash disk PDF report	*	*	*
Freely selectable sample rate 1 min to 24h	*	*	*
LCD Max/ Min display	*	*	*
Download collected data through USB interface	*	*	*
Battery life :up to 1 year (1 minute sample rate)	*	*	*
Alarm display if user-defined maximum/minimum value is exceed	*	*	*
Analysis software used to view graph for logging data	*	*	*

Specifications	191	191A	191B
Temp. range	-40 to 70°C / -40 to 158°F	-40 to 70°C / -40 to 158°F	-40 to 70°C / -40 to 158°F
Temp. accuracy	±1°C/1.8°F	±1°C/1.8°F	±1°C/1.8°F
Temp. resolution	0.1°C/0.1°F	0.1°C/0.1°F	0.1°C/0.1°F
Humidity range		0 to 100%RH	0 to 100%RH
Humidity accuracy		±3.5%RH	±3.5%RH
Humidity resolution		0.1%RH	0.1%RH
Air pressure range			300 to 1200hpa
Air pressure accuracy			±3hpa
Air pressure resolution			1hpa
Memory	40020	40020(20010 / channel)	40020(13340 / channel)
Sample rate	1min-24 hours		
Battery life	1year (Sample rate 1minute)		
PDF report	Immediately USB flash disk PDF report		
Analysis software	Windows XP/Vista/win7/win8/win10		

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A compact data logger is capable of recording data for months, even long-term shipping and storage. All data viewing, data export, and printing are down via two function keys.

Features	192A	192B
Temperature and humidity datalogger	Temperature	Temperature & humidity
Freely selectable sample rate 1 sec to 24h	*	*
LCD Max Min display	*	*
Download collected data through USB interface	*	*
Battery life :up to 2 years (1 minute sample rate)	*	*
Alarm display if user-defined maximum/minimum value is exceed	*	*
Analysis software used to view graph for logging data	*	*

Specifications	192A	192B
Internal Temperature sensor range	-40 to 80°C (-40 to 176°F)	-40 to 80°C(-40 to 176°F)
Probe Temperature sensor range	-50 to 110°C(-58 to 230°F)	-50 to 110°C(-58 to 230°F)
Temperature resolution	0.1°C/ 0.18°F	0.1°C/ 0.18°F
Temperature best accuracy	±0.3°C / ±0.54°F	± 0.3°C / ± 0.54°F
Humidity sensor range		5% to 95%RH
Humidity resolution		0.05%RH
Humidity best accuracy		±2%RH
Memory capacity	52,000 Samples (over 2 channels)	52,000 Samples (over 3 channels)
Sampling rate	Minimum: Once every second Maximum:Once every 24 hours	Minimum: Once every second Maximum:Once every 24 hours
Dew Point		LCD and Software indication
Alarm	BEEP alarm	BEEP alarm
PC Connection	Micro USB	Micro USB
Battery life	2 years depending on sampling rate and operating conditions	
External Temperature sensor type	NTC Temperature sensor 2.5m cable length	
Connection	Mini USB	

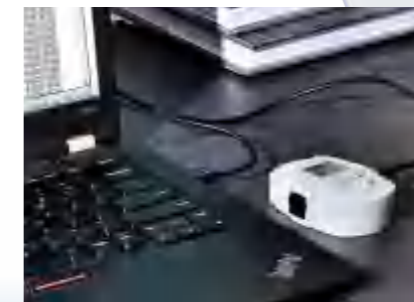
Accessories : 3.6V Lithium battery,software and clamshell.

Size(HxWxD): 75mm x 62mm x 32mm

Weight: 150g



Data recording



Connect to PC via RS232 cable or USB cable

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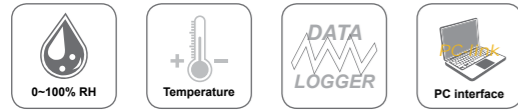


Model 192A



Model 192B





You can monitor temperature and humidity values efficiently and conveniently for long time periods by using the Datalogger. The readings are saved in the logger and simply read out by your PC with USB interface.



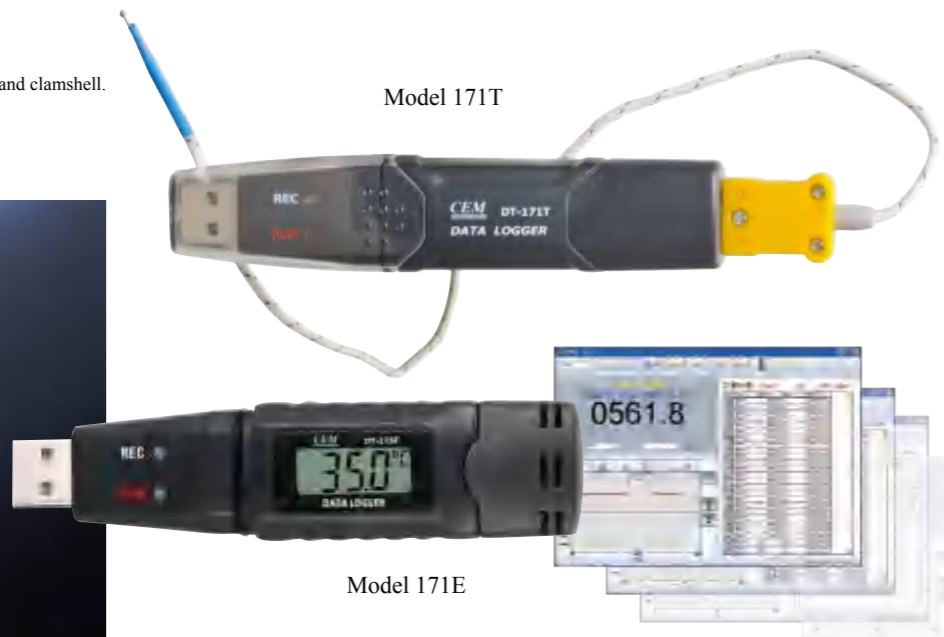
EMC
EN: 61326

- Memory for 16000 (171) readings
- Temperature datalogger (170)
- 2000 Counts digital LCD display (171E)
- PDF report (171F)
- Freely selectable measurement cycle from 2sec. to 24h
- Battery life: more than 3 years
- Display all status information through two LEDs
- Download collected data through USB interface
- Alarm display if user-defined maximum/minimum values is exceed
- Analysis software used to view graph for logging data

Specifications	170	171/171E/171C/171F	171T
Temp range	-40 to 70°C -40 to 158°F	-40 to 70°C -40 to 158°F	
Temp Accuracy	±1°C	±1°C	
Humidity range		0 to 100%RH	
Humidity Accuracy		±3.5%RH	
Temp K range			-200 to 1370°C(-328 to 2498°F)
Temp K Accuracy			±1°C
Memory	32000(16000 each for temperature and humidity)		
Measuring rate	2sec. to 24h		
Battery life	typically 3 years		
Analysis software	windows 98/2000/XP/Vista/7		

Accessories :
3.6V Lithium battery, K-Temp probe(171T), software and clamshell.

Size(HxWxD): 130mm x 30mm x 25mm
Weight: 20g

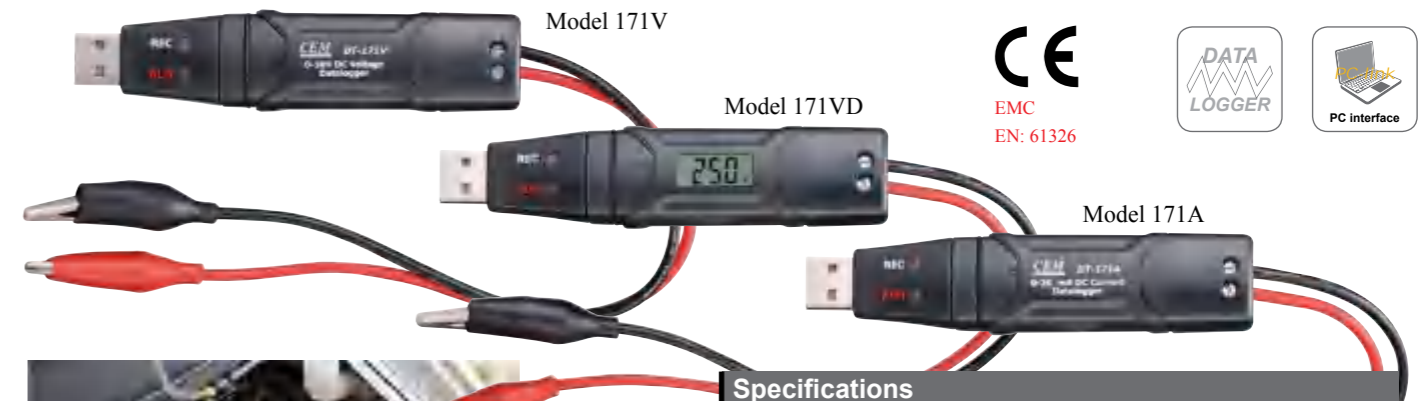


Model 171T

Model 171E



Model 171C



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Specifications	171V/171VD	171A/171AD
DC Voltage range	0 to 30V	
DC Voltage accuracy	±0.5%+1	±0.5%+1
DC Current range		4 to 20mA
DC Current accuracy		±1%±1Count
Reading Memories	32000 readings	32000 readings
Measuring rate	400Hz. to 24h	1sec. to 24h
LCD display counts	2000(171VD)	2000(171AD)
Analysis software	windows 98/2000/XP/Vista/7	

Accessories : 3.6V Lithium battery,software and clamshell.
Size(HxWxD): 130mm x 30mm x 25mm Weight: 20g

DT-172/172TK Temperature and Humidity Datalogger DT-174 Temperature/Humidity & Pressure Datalogger



Model 172

Model 174



174 provides much faster, more accurate and stable readings with temperature, humidity & air pressure which is in better precision. The windtight design protects the meter against dust and water.

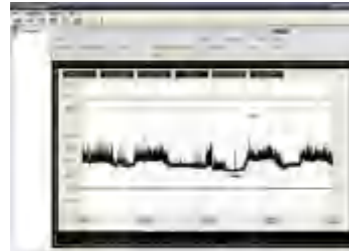
DT-174 Features
The datalogger provides accurate readings with temperature, humidity & air pressure . For the three group data of Temperature, Humidity and Air Pressure, about 10900 readings of each can be recorded. For one group, about 32,700 data can be recorded. Freely selectable measurement cycle from 1 sec. to 24h. Sound & light alarm indication if user-defined maximum/minimum values is exceed. Larger LCD display date, time, temperature, humidity, air pressure and upper/lower limit value.

Specifications	172	172TK	174
Temp range	-40 to 70°C -40 to 158°F	-40 to 70°C -40 to 158°F	40 to 70°C -40 to 158°F
Temp Accuracy	±1°C	±0.5°C	±1°C/1.8°F
Humidity range	0 to 100%RH	0 to 100%RH	0 to 100%RH
Humidity Accuracy	±3.5%RH	±3.5%RH	
Temp K range		-200 to 1370°C(-328 to 2498°F)	
Temp K Accuracy		Above -100°C (-148°F): 0.15%rgd+1.0°C(1.8°F) Blow -100°C (-148°F): 0.5%rgd+2.0°C(3.6°F)	
Dew Point Temperature			-40 to 70°C (-40 to 158°F); Accuracy ±2°C/4°F
Air Pressure			0-30PSI/0-2000hPa; Accuracy 0.01PSI/1hPa
Memory	32000(16000 each for temperature and humidity)		
Measuring rate	1sec. to 24h		
Battery life	typically 3 years		
Analysis software	windows 98/2000/XP/Vista/7		

Accessories :
3.6V Lithium battery, K-Temp probe(172TK), software and clamshell. (DT-172/172TK) Size(HxWxD):94mm x 50mm x 32mm Weight: 91g (DT-172/172TK)
3.6V Lithium battery, software and clamshell.(DT-174) Size(HxWxD):132mm x 66mm x 37mm Weight: 180g (DT-174)

Features

- IEC61672-1 CLASS2
- MAX & MIN measurements
- Alarm value setup
- A & C Weighting
- NORM(Normal) & PEAK mode
- 25ms sample interval
- FAST & SLOW response
- Manual and Automatic mode



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Model 173

Size(HxWxD): 106mm x 56mm x 33.5mm
Weight: 34g
Accessories :
3.6V Lithium battery, stand, software and clamshell.

Specifications

Standard applied	IEC61672 -1 CLASS2
Accuracy	±1.4dB
Frequency range	31.5HZ ~ 8kHz
Dynamic range	50dB
Level ranges	Auto: 30dB~130dB
Frequency weighting	A/C
Time weighting	FAST (125ms), SLOW (1s)
Memory Readings	129920 points for dBA or dBC
Sample rate	1 Sec. to 24h
Microphone	1/2 inch electret condenser microphone
Data output	USB data traffic

DT-186/187 Anemometer Datalogger



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Model 186

Model 187

Features

- Alarm setup and indication
- Recording and low battery indication
- Manual and automatic start mode
- USB port for data traffic and power supply
- Status indication via Red/Yellow LED and Green LED
- Analysis software windows 98/2000/XP/Vista/7

Specifications

Memory	32000 readings
Measuring rate	2sec. to 24h
Measurement Range	0.40 to 30.0m/s
Measurement Resolution	0.1m/s
Accuracy	±3.5% ± 0.2m/s
Warm up period	Less than 2 seconds

Size(HxWxD): 145mm x 35mm x 30mm **Weight:** 49g
Accessories : 3.6V Lithium battery, software and clamshell.



Model 185

DT-185 Solar USB Datalogger

Features

- Alarm setup and indication
- Recording and low battery indication
- Manual and automatic start mode
- USB port for data transmission and power supply
- Status indication via Red/Yellow LED and Green LED
- Analysis software windows 98/2000/XP/Vista/7

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Specifications

Memory	51840 readings
Measuring rate	1sec. to 1h
Measurement Range	0 to 1999W/m ²
Measurement Max. Resolution	1W/m ²
Accuracy	±5% or ±10W/m ²

Size(HxWxD): 145mm x 35mm x 30mm **Weight:** 49g **Accessories :** 3.6V Lithium battery, software and clamshell.

Features

- Alarm setup and indication
- Recording and low battery indication
- Manual and automatic start mode
- USB port for data traffic and power supply
- Status indication via Red/Yellow LED and Green LED

Specifications

Data Memory	10000
Sampling rate	1 min to 18 hours
Data output	USB
Temperature	
Range	-40~70°C/-40~158°F
Resolution	0.1°C/0.1°F
Accuracy	40 to 70°C/104 to 158°F ±2°C/3.6°F 0 to 40°C/32 to 104°F ±1°C/1.8°F -40 to 0°C/-40 to 32°F ±2°C/3.6°F
Humidity	
Range	0~100%RH
Resolution	0.1%RH
Accuracy	0 to 20 and 80 to 100% ±5% 20 to 40 and 60 to 80% ±3.5% 40 to 60% ±3.5%
Air Pressure	
Range	950~1050hPa
Resolution	0.1hPa
Accuracy	±0.25%FSO(25 °C)
Repeatability	±0.2%(Max ±0.3%FSO)
Linearity/Hysteresis	±0.24%FSO
Temperature coefficient	±0.1%FSO

Size(HxWxD): 145mm x 35mm x 30mm **Weight:** 49g
Accessories : 3.6V Lithium battery, software and clamshell.



Model 174B

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EN: 61326



DT-179 Carbon Monoxide Datalogger

Features

- Alarm setup and indication
- Recording and low battery indication
- Manual and automatic start mode
- USB port for data traffic and power supply
- Status indication via Red/Yellow LED and Green LED
- Analysis software windows 98/2000/XP/Vista/7

Specifications

Memory	32000 readings
Measuring rate	2sec. to 24h
Measurement Range	0 to 1000PPM
Measurement Resolution	1PPM
Accuracy	±5% or ±10PPM
Warm up period	Less than 2 seconds
Sensor type	Stabilized electrochemical Gas-specific (CO)
Typical sensor life	3 years

Size(HxWxD): 145mm x 35mm x 30mm **Weight:** 49g
Accessories : 3.6V Lithium battery, software and clamshell.

Model 179



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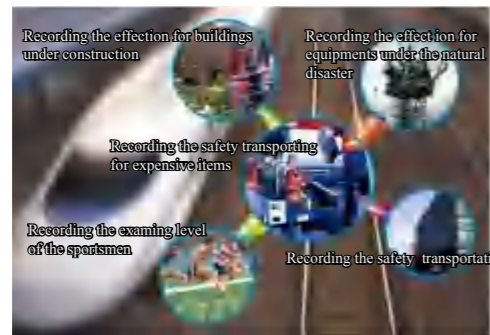
178A is engineered to record acceleration data of vibration, it will record and time 3-axis vibrations and peaks to provide a history of shock/vibration conditions. and it will record the time when freefall happens.

It measures and computes real-time spectral data using an FFT(Fast Fourier Transform) from 0 to 60 Hertz.

The 178B is Vibration, humidity and temperature Datalogger



Model 178A



Features

	178A	178B
Records 3-axis shock	*	*
Build-in accelerometers	*	*
Measures dynamic and static acceleration	*	*
Real-time operation	*	*
Freefall detection mode	*	*
User settable trigger levels	*	*
Real-Time FFT	*	*
High speed download(USB2.0)	*	*
Vibration, humidity and temperature Datalogger		*

Specifications

	178A	178B
Acceleration Sensor:MEMS Semiconductor	*	*
Acceleration Sensor sampling Rate:256Hz	*	*
Acceleration Range:±18g	*	*
Acceleration Resolution:0.00625g	*	*
Acceleration Accuracy:±0.5g	*	*
Non-Linearity:±1%	*	*
Bandwidth:Approx. 0 ~ 60Hz	*	*
Trigger Range: 0 to 18g (XYZ magnitude)	*	*
Temp & Humidity Range:-40 to 70°C/-40 to 158°F 0 to 100%RH		*
Temp & Humidity Resolution:0.1%RH/0.1°C/°F		*
Temp & Humidity Accuracy:±2%RH/1°C/°F		*
Sampling Rate:1sec. to 24hours	*	*
Memory:8Mbit FLASH (Memory for 504126 samples, about 168042 samples/axis for x, y and z axis seperately)	*	*

Accessories :

3.6V Lithium battery, software and clamshell.



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DT-3898 Vibration Meter

Model 3898

Applications for all industrial machinery vibration monitoring. The level of vibration is a useful guide to machine condition. Poor balance, misalignment & looseness of the structure will increase the vibration level, it is a sure sign that the maintenance is needed.



EMC
EN: 61326

Features

- Frequency range 10 Hz - 1 kHz, sensitivity relative meet ISO 2954.
- Professional vibration meter supply with vibration sensor & magnetic base, full set.
- Velocity measuring range 200 mm/s.
- Acceleration measuring range 200 m/s².
- RMS & Peak measurement.
- Wide frequency range.
- Data hold button to freeze the desired reading.
- Memory function to record maximum and minimum reading with recall.
- Super large LCD display.
- Microcomputer circuit, high performance.
- Auto shut off saves battery life & built-in low battery indicator.

Specifications

Range	Velocity :200 mm/s : 0.5 to 199.9 mm/s Acceleration :200 m/s ² : 0.5 to 199.9 m/s ²
Frequency range	10 Hz to 1 KHz
Accuracy	± (5 % + 2 d) reading @80 Hz, 160 Hz.

Size(HxWxD): 160mm x 62mm x 21mm

Weight: 200g

Accessories : 9V battery.

Wireless vibration & temperature MEMS sensor for remote condition monitoring with Wi-Fi /NB-IoT



The 188V Vibration & Temperature Sensor has the building blocks that allow maintenance and reliability teams to add remote vibration monitoring to assets and minimize unnecessary routes, maximize uptime and save time. With a frequency range of 10 to 1,000 hertz (Hz), the vibration sensor screens assets and notifies users of abnormalities caused by critical faults such as imbalance, misalignment, looseness and bearing wear to provide a warning for potential equipment failure. Using APP software, receive alarms on your smart device or computer within seconds of an abnormality and prevent downtime.



Model 188V

188V Features

- Wireless vibration & temperature MEMS sensor for remote condition monitoring
- Frequency response range: 10 to 1,000 Hz
- Temperature response range (PT100 Type thermocouple sense): -20 ~ 200°C (-4 ~ 392°F)
- Data visualization: Vibration trend for all three axes and temperature trending
- Alarms: Auto-generated using Fluke Overall Vibration Severity scale to keep you updated on machine abnormalities
- Remote monitoring: View continuous stream of real-time and historical vibration data from remote assets
- Data capture rate: 1 data point every 90 seconds
- Bluetooth type: Low Energy 4.1
- IP Rating: IP 67

Specifications

Vibration Range	Sensitivity range	±32 g
	Frequency range	10 Hz to 1000 Hz
	Sampling rate	25600 Hz
Temperature Range		-20°C ~ 200°C (-4 °F~392°F)

The 188GW Gateway aggregates 188V Vibration Sensor data and streams it to the cloud for continuous condition monitoring.



Model 188GW



EMC
EN: 61326

188GW Features

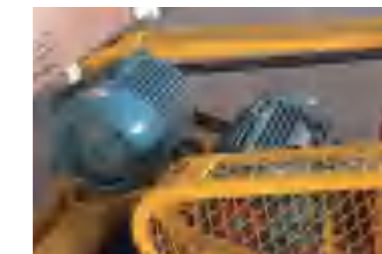
- Aggregates data via Bluetooth of up to 20 the 188V Vibration Sensors
- Streams the sensor data to the APP software via a Wi-Fi connection
- Remote monitoring: View continuous stream of real-time and historical vibration data from remote assets
- Bluetooth type: Low Energy 4.1
- IP Rating: IP 67
- Wi-Fi / NB-IoT connection required (Optional)
- 110V/220V AC power required

Size(HxWxD): 68mm x 40mm x 27mm

Weight: 102g



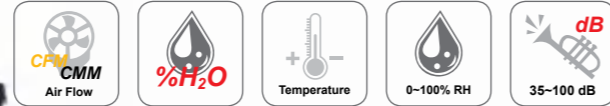
Wi-Fi / NB-IoT connection required (Optional)



DT-72 series Environment Meter Probe are professionally designed with completely modern new outlook. The whole series are equipped with Bluetooth, easy to transfer the measuring data to user's smart phone. Fulfill requirements of fast, easy and accurate measurement and data analysis.

Made for
iPod iPhone iPad

CE
EMC
EN: 61326



Bluetooth + APP
Environment Probes App
for free download



72MC Pinless Moisture Meter

72MC is the Pinless Moisture Meter. It is an electronic dampness indicator with a measuring process working on the principle of high frequency.

Specifications	
Measuring Range	0.0~100.0
Penetration Depth	20~40mm
Resolution	0.1

CE
EMC
EN: 61326

72MR Contact Hygrometer

72MR is a contact hygrometer, which is designed to measure with the resistance principle. The meter can be used to take reading in wood or building.

Specifications	
Wood moisture (contact and probe)	
Humidity range	0~99.9
Humidity accuracy	±5
Humidity resolution	0.1

Bluetooth



Model 72MC

Model 72MR

Model 72H

Model 72L

Model 72A

Model 72S

Model 72I

Model 72TH

DT-72A Vane Anemometer

CFM/CMM Thermo-Anemometer remote sensor is the most popular model for HVAC applications.

Specifications			
Function	Range	Resolution	Accuracy
m/s(meter per second)	0.4 to 25.0m/s	0.1m/s	±3.5%±0.2m/s
Air Temperature	-20 to 60°C -4 to 140°F	0.1°C/°F	±0.8°C, (-20 ~ 0°C) ±0.5°C, (0 ~ 60°C)
Relative Humidity	0 to 100%RH	0.1%RH	±3.5%RH @20~80%RH ±5%RH @0~20%RH&80~100%RH

DT-72H Hot Wire Anemometer

Hot Wire Anemometer makes a step forward for you into the field of precision measurement.

Specifications			
Function	Range	Resolution	Accuracy
m/s(meter per second)	0.00 to 30.00m/s	0.01m/s	±5%±0.1m/s, (0~5m/s)
Air Temperature	-20 to 60°C -4 to 140°F	0.1°C/°F	±0.8°C, (-20 ~ 0°C) ±0.5°C, (0 ~ 60°C)
Relative Humidity	0 to 100%RH	0.1RH	±3.5%RH @20~80%RH ±5%RH @0~20%RH&80~100%RH

DT-72TH Temperature & Humidity Meter

Specifications			
Function	Range	Resolution	Accuracy
Air Temperature	-20 to 60°C -4 to 140°F	0.1°C/°F	±1°C/2°F
Relative Humidity	0 to 100%RH	0.1RH	±3.5%RH @20~80%RH ±5%RH @0~20%RH&80~100%RH

DT-72I Infrared Thermometer

Specifications			
Function	Range	Resolution	Accuracy
IR Temp. Range	-30 to 250°C -22 to 482°F	0.1°C/°F	±1.5°C±1.5%

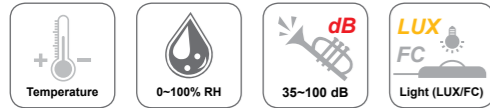
72S Sound Meter

Specifications			
Function	Range	Resolution	Accuracy
Frequency	31.5Hz~8kHz	0.1Hz	
Level	30dB~130dB	0.1dB	±1.5db

72L Light Meter

Specifications			
Function	Range	Resolution	Accuracy
Light	40,000Lux /Fc	0.1Lux/0.1Fc	±5%±10d(<10,000Lux)
Measuring Rate	1 times/second		

Bluetooth interface for easy data transfer
Size(HxWxD): 110mm x 30mm x 20mm Weight: 180g Accessories : 3x1.5V "AAA" batteries.



DT-90/91/92/93/95/96/98 series Mini Environment Meters are professionally designed with completely modern new outlook. The whole series are equipped with Bluetooth, easy to transfer the measuring data to user's smart phone. Fulfill requirements of fast, easy and accurate measurement and data analysis.



EMC
EN: 61326

DT-90 Mini Anemometer

Specifications		
Function	Range	Accuracy
m/s(meter per second)	0.40~25.00	±3.5% ±0.20m/s
ft/min(feet per minute)	80~2980	±3.5% ±40ft/min
km/h(kilometers per hour)	1.4~54.0	±3.5% ±0.8km/h
MPH(miles per hour)	0.9~33.0	±3.5% ±0.4MPH
Knots(nautical miles per hour)	0.8~29.0	±3.5% ±0.4knots
Air Temperature	-10 to 60°C(14 to 140°F)	± 2.0°C(4.0°F)

Bluetooth interface for easy data transfer

DT-91 Mini Temperature & Humidity Meter

Specifications			
Function	Range	Resolution	Accuracy
Temperature	-20 to 60°C/-4 to 140°F	0.1°C/°F	±0.5°C/0.9°F
Humidity	0 to 100%RH	0.1%RH	±3%RH

Bluetooth interface for easy data transfer

DT-92 Mini Light Meter

Specifications			
Function	Range	Resolution	Accuracy
Light	40,000Lux /Fc	0.1Lux/0.01Fc	±5%±10d(<10,000Lux)
Measuring Rate	1.5 times/second		

Bluetooth interface for easy data transfer

DT-93 2 in 1 HCHO & TVOC Meter

Specifications			
Function	Range	Resolution	Accuracy
HCHO	0.00 to 5.00mg/m ³	0.01mg/m ³	±5%F.S
TVOC	0.00 to 9.99mg/m ³	0.01mg/m ³	±5%F.S

Bluetooth interface for easy data transfer

DT-95 Mini Sound Level Meter

95 Mini Sound level meter have a wide dynamic range from 35 to 130dB. It has different frequency weighting A and C to respond to human sense or machine monitoring purposes.

Specifications		
Function	Range	Accuracy
Sound Level	35 ~ 130dB	±3.0dB(ref 94dB@1kHz)
Frequency	31.5 ~8kHz	
Frequency Weighting	A, C	

Bluetooth interface for easy data transfer

DT-98 Mini Pinless Moisture Meter

Specifications	
Measuring Range	0.0~100.0 %
Penetration Depth	20~40mm
Resolution	1

Features

- Quickly indicate the moisture content of materials
- CM % measured function
- Depth of penetration about 20~40mm with alarms.
- Measure and HOLD Function
- MAX/MIN display Function
- Programmable moisture alarms
- Auto Power Off & low battery indication
- White Backlit LCD Display

Size(HxWxD): 185mm x 55mm x 38mm

Weight: 139g

Accessories : 9V battery, Clamshell.

3.7V Li-battery (DT-96)



Model 90

Model 95



Model 92

Model 93



Model 91

Model 98

Multifunction EMF Meter

EMF-8G is a three-axis high-frequency electromagnetic wave tester. It adopts advanced high-frequency sensor technology and can be applied to high-frequency electromagnetic field test base, mobile phone, wireless network and other electronic wireless products.

Features

- Test 100M to 8GHZ frequency range
- three-axis high-frequency Measurement
- Data-logger function
- Auto Power Off
- Data transfer to PC via USB(CSV or EXCEL files)
- Adjustable alarm threshold and memory function



Model EMF-8G



Specifications

Measurement Range	20mV/m to 200V/m
Absolute Tolerance (@1V/m 10MHz)	±1.0dB
Frequency Response	± 1.0dB (10MHz to 1.9 GHz) ± 2.4dB (1.9GHz to 8GHz)
Isometric Deviation	±1.0dB @ f>10 MHz
Resolution	0.1mV/m

DT-93U can measure the concentration of HCHO & TVOC & temperature & humidity accurately. The device has data recording function, it can automatically record the measurement data and generate readable files according to the sampling time and interval set by users. Users can directly view the data in the device or export the data to the computer through USB. A high-capacity lithium battery inside is to ensure long time measurement, it also has sleep mode function and automatic shutdown function.

Features

- Detecting HCHO & TVOC
- Data-logger function
- Chart function
- Screen brightness settings
- Data transfer to PC via USB (CSV or EXCEL files)
- Quick Response
- Sleep mode
- Max/Min/AVG mode
- Auto power off

Specifications

	Range	Accuracy	Resolution
HCHO detection	0.00~5.00ppm	±5% F.S	0.01ppm
TVOC detection	0.00~9.99ppm	±5% F.S	0.01ppm
Temperature	-10 to 60°C /14 to 140°F	±0.5°C (±1°F)	0.1°C /°F
Humidity	0 to 100%RH	±3%RH	0.1%RH

DT-97U meter is a sort of exquisite concise and efficient detector launched by CEM recently, which is integrated with CO₂、CO、 temperature and humidity detection function. This meter has adopted high-precision CO₂ and CO Sensor which can detect the CO₂ and CO accurately and sensitively. The device is equipped with an accurate sensor that can detect the temperature and humidity at current environment. The operation is very simple. it is very convenient to carry, so that we can check air quality from time to time.

Features

- High precision CO₂ and CO sensors
- Data-logger function
- Data transfer to PC via USB(CSV or EXCEL files)
- Quick Response
- Max/Min/AVG mode
- Auto Power Off

Specifications

	Range	Accuracy	Resolution
CO ₂ Measurement	0 to 9999ppm	±75 ppm ±3% of reading	1ppm
CO Measurement	0 to 1000ppm	±5% F.S	1ppm
Temperature	-10 to 60°C /14 to 140°F	±0.5°C (±1°F)	0.1°C /°F
Humidity	0 to 100%RH	±3%RH	0.1%RH

DT-93HW is a Mini Hot Wire anemometer, which can measure air velocity, volume flow ,temperature and humidity .With the combination of hot wire and precise digital sensor, it can be measured quickly and accurately even at low wind speed.

Features

- Quick response
- Max/Min/AVG mode
- Data transfer to PC via USB(CSV or EXCEL files)
- Telescopic probe facilitates user measurement
- Auto power off
- Data-logger function

Specifications

	Range	Accuracy	Resolution
Air Velocity Measurement	0.00 to 30.00m/s	±0.10±5%/s(0 to 5m/s) ±0.30±5%/s(5 to 30m/s)	±0.01m/s
Temperature Measurement	0 to 50°C /32 to 122°F	±1°C (±2°F)	0.1°C/°F
Humidity	0 to 100%RH	±4%RH	0.1%RH

DT-96 Mini Particle Counter

Specifications

Function	Channel / Range	Accuracy
Particle Counter	2.5µm, 10µm	±30%
Air Temp Range	0 to 50°C/32 to 122°F	±1°C/2°F
Humidity Range	0 to 100%RH	±5%RH@0~20%RH & 80~100%RH ±3.5%RH@20~80%RH

Bluetooth interface for easy data transfer

Size(HxWxD): 185mm x 55mm x 38mm

Weight: 139g

Accessories : 3.7V Li-battery



Model 93HW



Model 97U



Model 93U



Model 96

After the Smart HCHO Monitor is connected to the mobile phone through USB, It will run automatically. The main screen on the APP will show the measuring data include HCHO/TVOC/Temperature/Humidity at real time. The app will prompt the pollution level and provide some advice to solve the pollution. The app will automatically carry out statistical analysis and show the monitoring curve.



Model HC-01

Features

- The device can work only by plugging into the phone without battery
- Show monitoring curve at real time
- Analyze the data and prompt pollution level automatically
- Continuously recording and single recording
- History data checking, statistical analysis and data export
- Provide reasonable suggestions for removing the HCHO

Specification

Function	Range	Resolution	Accuracy
HCHO	0.00~5.00ppm	±5% F.S	0.01ppm

Size(HxWxD): 64mm x 33mm x 14mm
Weight: 100g

DT-82/83/85A/85C/86 Mini Environment Meters



DT-82 Mini Anemometer

Specification

Function	Range	Accuracy
m/s(meter per second)	0.40~25.00	±3.5%±0.20m/s
ft/min(feet per minute)	80~2980	±3.5%±40ft/min
km/h(kilometers per hour)	1.4~54.0	±3.5%±0.8km/h
MPH(miles per hour)	0.9~33.0	±3.5%±0.4MPH
Knots(nautical miles per hour)	0.8~29.0	±3.5%±0.4knots



EMC
EN: 61326



DT-85A/85C Mini Sound Level Meter

Specification

Function	Range	Accuracy	85A	85C
Sound Level	35 ~ 130dB	±3.0dB (ref 94dB@1kHz)	*	*
Frequency	31.5 ~8kHz		*	*
Frequency Weighting			A	C



DT-83 Mini Temperature & Humidity Meter

Specification

Function	Range	Resolution	Accuracy
Temperature	-20 to 60°C/ -4 to 140°F	0.1°C/°F	±0.5°C/0.9°F
Humidity	0 to 100%RH	0.1%RH	±3%RH



DT-86/86B Mini Light Meter

Specification

Function	Range	Resolution	Accuracy
Light	40,000Lux /Fc	0.1Lux/0.01Fc	±5%±10d (<10,000Lux)
Measuring Rate	1.5 times/second		



Size(HxWxD): 165mm x 54mm x 34mm(82) 146mm x 54mm x 34mm(83) 128mm x 54mm x 34mm(85A/85C) 157mm x 54mm x 34mm(86)
Weight: 139g(82), 138g (83), 131g (85A/85C), 138g (86),

Accessories :
9V battery, Clamshell.



3851/3852 Sound Level Meters are designed for noise project, quality control, illness prevention & cure and all kinds of environmental sounds measurements. It is applied to the sounds measurement at factory, school, office, traffic access and household etc.

Features

	3851	3852
This unit conforms to the IEC61672-1 class 2 for Sound Level Meters	*	*
MAX & MIN measurements	*	*
Ovrange display	*	*
Underrange display	*	*
A & C Weighting	*	*
FAST & SLOW response	*	*
Analog AC/DC outputs for connection to frequency analyzer or X-Y shaft recorder	*	*
Memory for 32700 readings		*
Datalogger function		*
Adjustable Alarm-Levels		*

Specifications

Standard applied	IEC61672-1 Type 2, ANSI S1.4 Type2
Accuracy	±1.4dB
Frequency range	31.5Hz ~ 8kHz
Dynamic range	50dB
Level ranges	LO:30dB~80dB Med:50dB~100dB Hi:80dB~130dB Auto:30dB~130dB
Time weighting	FAST (125mS), SLOW (1s)
Microphone	1/2 inch electret condenser microphone
Resolution	0.1dB
Display Update	2 times/sec
Analog output	AC/DC outputs, AC=1Vrms, DC=10mV/dB

Size(HxWxD): 230mm x 60mm x 30mm (3851/3852)
Weight: 310g (3851/3852)

Accessories :

Battery, screwdriver, audio plug, windscreen, software, USB cable, tripod and power supply and gift box with carrying case.

1.4dB Accuracy

Level range: 30~130dB



EMC
EN: 61326



Time weighting & Frequency weighting, Current reading



Analog AC/DC outputs



Model 3852





Model 73A



Model 73L



Model 73S



Model 73TH



Model 73G



Model 73C

EMC
EN: 61326**DT-73A is a mini anemometer, which can measure air velocity and temperature****Features**

- Quick response
- Auto power off
- Max/AVG mode
- Low power display
- Wind power classification

Specifications

	Range	Accuracy	Resolution
Air Velocity Measurement	0.0 to 30.0m/s	±5% ±0.5m/s	0.1m/s
Temperature Measurement	-20 to 50°C/-4 to 122°F	±2°C(±4°F)	0.1°C/°F

DT-73L Light meter is a precision instrument that used to measure illuminance(Lux,footcandle) in the field**Features**

- Silicon Photo Diode Sensor with a Spectral Response Filter Fully Cosine Corrected.
- 4 Measuring Ranges Lux
- High accuracy and rapid response

Specifications

	Range	Accuracy	Resolution
Illumination Measurement	0-40Lux/0-4kFC	±5% ±10d (<10,000Lux)	0.1Lux/0.01FC
		±10% ±10d (>10,000Lux)	

DT-73S is a mini noise sound level meter**Feature**

- Auto Power Off
- Low power consumption
- MAX/MIN mode
- FAST/SLOW mode
- Backlight Display
- A Frequency Weighting

Specifications

Function	Range	Resolution	Accuracy
Frequency	31.5Hz-8kHz		
Level	35 ~ 130dB	0.1dB	±3.0dB (ref 94dB@1kHz)

DT-73TH is a device measures Humidity & Air Temperature**Specifications**

	Range	Accuracy	Resolution
Temperature Measurement	-20-70°C/-4°F-158°F	±1°C/±1°F	0.1°C/0.1°F
Humidity Measurement	0-100%RH	±4%RH	0.1%RH

DT-73G is a real-time measurement of HCHO and TVOC**Specifications**

	Range	Accuracy	Resolution
HCHO	0.00 to 5.00mg/m3(or PPM)	± 5%F.S	0.01mg/m3(or PPM)
TVOC	0.00 to 9.99mg/m3(or PPM)		

DT-73C Carbon Monoxide Meter detects the presence of carbon monoxide (CO)**Specifications**

	Range	Accuracy	Resolution
CO	0 to 1000PPM	±5% ±10PPM	1PPM

Size(HxWxD): 103mm x 54mm x 28mm Weight: 139g

Accessories : 3x1.5V AAA battery, Clamshell.

73E is a high-frequency electromagnetic wave tester. It adopts advanced high-frequency sensor technology and can be applied to high-frequency electromagnetic field test base, mobile phone, wireless network and other electronic wireless products.

EMC
EN: 61326**Features**

- Test high frequency range
- Auto Power Off
- Adjustable alarm threshold and memory function

Specifications

Measurement Range	20mV/m to 200V/m
Absolute Tolerance (@1V/m 10MHz)	±1.0dB
Frequency Response	± 1.0dB (10MHz to 1.9 GHz) ± 2.4dB (1.9GHz to 8GHz)
Isometric Deviation	±1.0dB @ f>10 MHz
Resolution	0.1mV/m

73AL is simple to use, rapid response tester that are used to determine whether or not a person has any alcohol in their breath.

Features

- Red LED alarm
- Auto power off
- Fuel cell sensor is high accuracy and reliability
- Five detection unit selectable (mg/L,mg/100ml,g/L,%BAC,%BAC), Alarm level adjustable

Specifications

Detection Range	Accuracy	Resolution	Repeatability
0.000mg/L ~1.500mg/L	C<0.400 : ±0.020mg/L	0.001mg/L	C<0.400 : 0.007mg/L
	0.400≤C<1.000 : ±5%		0.400≤C<1.000 : 1.75%
	C≥1.000 : ±20%		C≥1.000 : 6%

73MR is a conductivity moisture instrument designed for use in wood, used to measure the moisture level in sawn timber (also cardboard, paper) and hardened materials (plaster, concrete and mortar).

Features

- Large LCD display
- Readings with Moisture Probe or Hammer Electrode
- Readings with Integral electrode Pins

Specifications

Measuring principle	Electrical resistance
Electrode length	8mm
Electrodes	Integrated, replaceable
Measuring range	Wood: 6-99.9%
Display Accuracy	Wood: ±1%
Temperature measuring	0-60°C

73P is a Pressure meter simultaneously with an easy-to-read, large, backlit LCD display.

Features

- Larger LCD display with backlight.
- MAX MIN and AVG measurement.
- Pressure measurement provides Zero Adjust.
- Easy to calculate the area of a rectangular or circular duct.

Specifications

Pressure Range	±5000Pa
Accuracy	±0.3%FSO (25°C)
Resolution	1Pa
Response Time	0.5 Seconds typical
Units	PSI /mbar/ inH ₂ O/ mmH ₂ O/ Pa

The 73I InfraRed Thermometer is a new models designed with lower cost. Check all types of A/C and heating systems.

Features

- 300ms quickest sampling time with 1.5% accuracy
- Large LCD screen shows readings in Fahrenheit or Celsius

Specifications

Range	-35°C~250°C/ -31°F~482°F
Accuracy	±2% ±2°C/±3.6°F
Resolution	0.1°C/°F
Response Time	Less than 300ms
D:S	1:1



Model 73AL



Model 73E



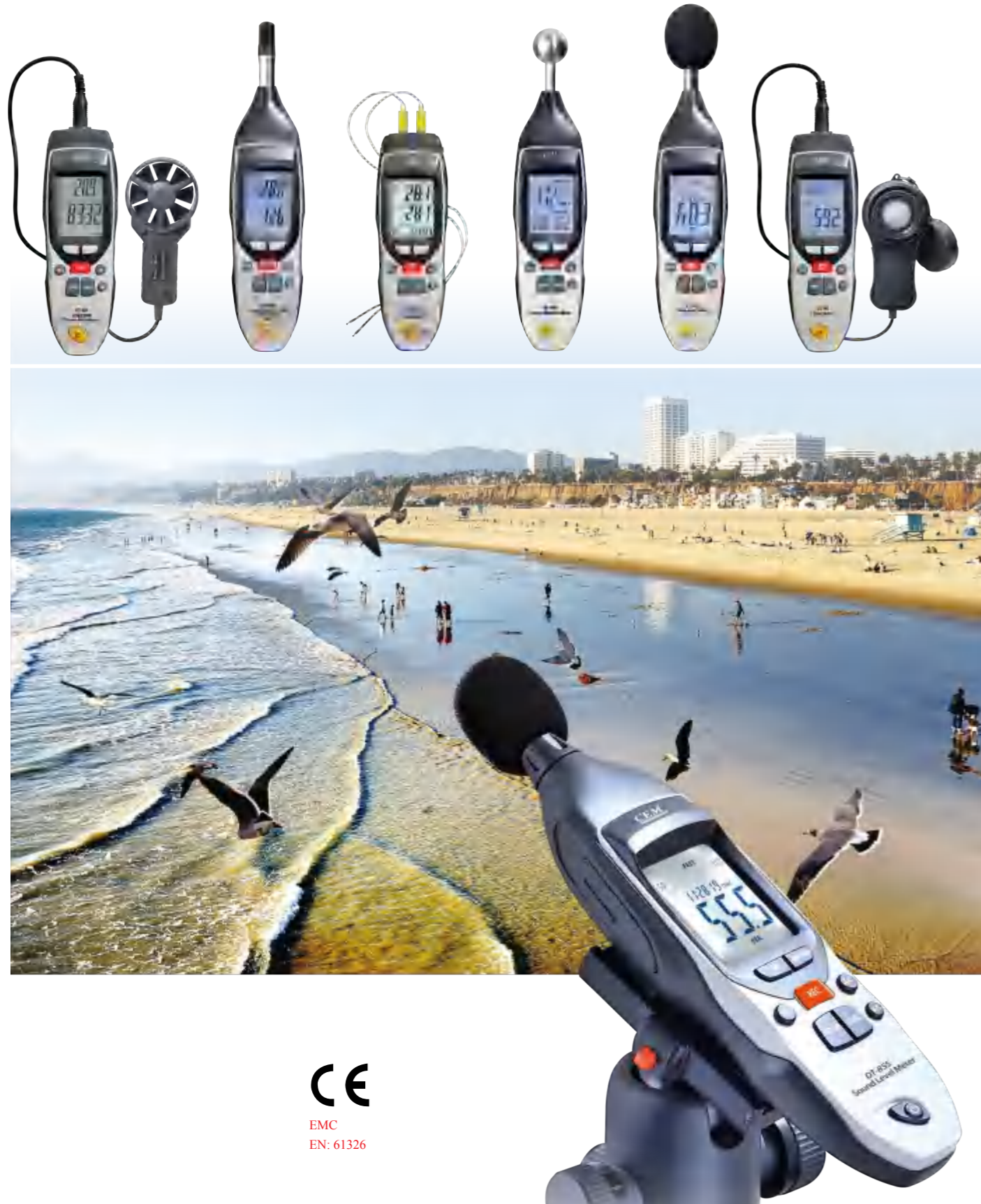
Model 73P



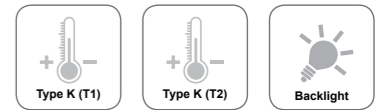
Model 73MR



Model 73I



CE
EMC
EN: 61326



The 852A (single input), 852B (dual inputs) and 852C (four inputs) contact thermometers offer fast response and laboratory accuracy. The 852B (dual inputs) is a microprocessor-based digital thermometer designed to use external type K/J thermocouples (temperature probes) as temperature sensors. These thermometers work with type K /J thermocouples and offer 0.1°C/0.1°F resolution over the entire measurement range. A rugged holster protects three models.

High Accuracy to 0.25%

Dual Temperature inputs (852B)

CE
EMC
EN: 61326



Model 852B

Bluetooth



Model 852C-P

Features

	852A/852A-T/852A-P	852B/852B-T/852B-P	852C/852C-T/852C-P
External temp probe	J,K,T/Thermistor/ RTD	J,K,T/Thermistor/ RTD	J,K,T/Thermistor/ RTD
User Selectable °C, °F or K	*	*	*
0.1 °C/0.1 °F/0.1K resolution.	*	*	*
Type K/Type J input	Single	Dual	Dual
Max/Min/Avg and Data Hold	*	*	*
Differential Temperature	*	*	*
Hi/Lo Alarm(sound and audio)		*	*
Scan Function(T1,T2,T1-T2.....)	*	*	*
LCD display with backlight	*	*	*
Wide variety of interchangeable Thermocouple Probes	*	*	*
Auto Power Off	*	*	*
Low Battery	*	*	*
Adjustable sampling rate		- / 1 sec to 60 min	- / 1 sec to 60 min
USB interface		*	*
Memory reading		16,000	16,000
Bluetooth interface			*

Specifications

	852A/ 852B/852C	852A-P/ 852B-P/852C-P	852A-T/ 852B-T/852C-T
Temperature range	Type J:-328°F to 1832°F(-200°C to 1000°C)	-320°F to 1562°F (-200°C to 850°C)	-72°F to 257°F (-40°C to 125°C)
	Type K:-418°F to 2501°F(-250°C to 1372°C)		
	Type T:-418°F to 752°F (-200°C to 400°C)		
Accuracy	±0.25% of reading + 2°F(1°C) (< 99.9°C/°F) ±0.25% of reading + 0.9°F(0.5°C) (> 99.9°C/°F)	±1°C/1.8°F(-99.9°C to 199.9°C) ±2°C/4°F beyond above range	±0.9°F(±0.5°C)
Respond time	Less than 300ms	Less than 300ms	Less than 300ms
Resolution	0.1° up 1000°, 1° over 1000°	0.1° up 1000°, 1° over 1000°	
User Calibration	0.10°C~5.0°C(0.10°F~9.0°F)	0.10°C~5.0°C(0.10°F~9.0°F)	0.10°C~5.0°C (0.10°F~9.0°F)

Size(HxWxD): 185mm x 65mm x 45mm

Weight: 248g

Accessories :
9V battery, Type-K Temperature probe and gift box with carrying case.



1.4dB Accuracy

Level range: 30-130dB



EMC
EN: 61326

Model 855



855/855S Sound Level Meters are designed for noise project, quality control, illness prevention & cure and all kinds of environmental sounds measurements. It is applied to the sounds measurement at factory, school, office, traffic access and household etc.

Features	855	855S
This unit conforms to the IEC61672-1 class 2 for Sound Level Meters	*	*
MAX & MIN measurements	*	*
Overrange & Underrange display	*	*
A & C Weighting	*	*
FAST & SLOW response	*	*
Analog AC/DC outputs for connection to frequency analyzer or X-Y shaft recorder	*	*
Datalogger function	*	*
Adjustable Alarm-Levels	*	*
Memory for 32700 readings	*	*
Micro SD memory card	*	*
Bluetooth interface to smartphone/PC.	*	*

Specifications	
Standard applied	IEC61672-1 Type 2, ANSI S1.4 Type2
Accuracy	±1.4dB
Frequency range	31.5Hz ~ 8kHz
Dynamic range	50dB
Level ranges	LO:30dB-80dB Med:50dB-100dB Hi:80dB-130dB Auto:30dB-130dB
Time weighting	FAST (125mS), SLOW (1s)
Microphone	1/2 inch electret condenser microphone
Resolution	0.1dB
Display Update	2 times/sec
Analog output	AC/DC outputs, AC=1Vrms, DC=10mV/dB

Size(HxWxD): 248mm x 65mm x 45mm
Weight: 248g
Accessories :
9V battery, gift box and carrying case.



Bluetooth

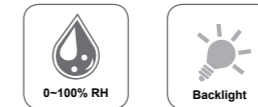
Model 855S

Features
Quickly indicate the moisture content of materials
CM % measured function
Depth of penetration about 20-40mm with alarms.
Measure and HOLD Function
MAX/MIN display Function
Programmable moisture and humidity alarms
Auto Power Off & low battery indication
White Backlit LCD Display

Specifications	
Measuring Range	0.0-100.0 %
Penetration Depth	20-40mm
Resolution	0.1

Moisture Table of Comparison		
Construction material	Display	Moisture status
Gypsum	<30 digits	dry
	30 - 60 digits	at risk
	>60 digits	wet
Cement	<25 digits	dry
	25 - 50 digits	at risk
	50 - 75 digits	wet
	>75 digits	all wet

Size(HxWxD): 248mm x 65mm x 45mm
Weight: 248g
Accessories :
9V battery, gift box and carrying case.



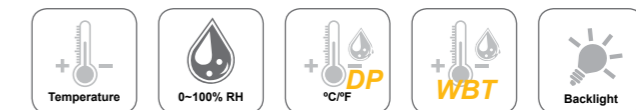
EMC
EN: 61326

Model 853



DT-851/851A/851G Dew Point/Wet Bulb/Psychrometer

851/851A is a complete digital psychrometer and a very valuable HVAC diagnostic tool. As a psychrometer, it measures wet bulb(WB), dry bulb(DB), percent relative humidity(RH%), and dew point(DP).
Temperature/Humidity & Air Pressure(851A).
Psychrometer with Mixing ratio (851G)



Features	851	851A	851G
Dew Point Temperature measure	*	*	*
Wet Bulb Temperature measure	*	*	*
Dry Bulb Temperature measure	*	*	*
User selectable °C & °F	*	*	*
MAX, MIN, HOLD modes	*	*	*
Dual display with backlight	*	*	*
Automatic Power Off	*	*	*
Low battery display	*	*	*
Barometer, altitude, relative height measurement		*	*
Smart phone APP	*	*	*
Psychrometer with Mixing ratio			*
Bluetooth interface			*

Specifications				851	851A	851G
Function	Range	Resolution	Basic Accuracy			
Humidity	0-100 % RH	0.1 % RH	±3 % RH	*	*	*
Temperature	-20-60°C/-4-140°F	0.1 °C/°F	±0.5°C/0.9°F	*	*	*
Dew Point Temp	-26-50°C/-14.8-122°F	0.1 °C/°F	±1°C/1.8°F	*	*	*
Wet Bulb Temp	-20-50°C/-4-122°F	0.1 °C/°F	±1°C/1.8°F	*	*	*
hPa	700-1100 hPa(-20°C~70°C)	0.01hpa	±3hPa	*	*	*
Mixing ratio	0-999GPP (0-160g/kg)	1GPP				*

Size(HxWxD): 248mm x 65mm x 45mm
Weight: 248g
Accessories :
9V battery, gift box and carrying case.

Bluetooth

High Accuracy

Fast Response



High Quality Sensor

Model 851G





Backlight



CE
EMC
EN: 61326

Model 856

856 light meter provides accurate display light level in terms of Foot Candles FC or LUX over wide range. Just turning the Function Switch to select the "lux" scale and setting the range to desired range, then removing the photo detector to light source in a horizontal position and reading the illuminance normal from the LCD display. When the measurement is completed, replace the photo detector from the light source.

856A LED light meter, measures light from visible luminaries equipped with white light LED, fluorescent, metal halide, high-pressure sodium and incandescent sources.

Features

4000 Counts LCD dual display with timer function
Auto Ranging
Max./Min. and Data Hold
Auto Power Off
Low battery indication
User selectable FC/Lux
Capacity for data logging (99 readings)
Total accuracy: for C.I.E standard illuminate A(2856K)

Specifications

	856	856A
Measuring range	400,000Lux	40, 400, 4000, 40000, 400000 Lux 40, 400, 4,000, 40,000, FC
Accuracy	±5%±10d(<10,000Lux) ±10%±10d(>10,000Lux)	±3% (Calibrated to standard incandescent lamp 2856°K and corrected LED day while-light spectrum) . +/-6% other visible light source.
Max Resolution	0.1Lux/0.01Fc	0.01Lux/0.01Fc
Light Source Selecting	\	LED white day light:L1=0.99 Default standard light source A:L=1.00
USB interface	*	\

Size(HxWxD): 185mm x 65mm x 45mm

Weight: 248g

Accessories :

9V battery, Photo Detector and USB cable, software, Carrying case and Gift box.

DT-850 CFM/CMM Thermo-Anemometer



CE
EMC
EN: 61326

Model 850

850 CFM/CMM Thermo-Anemometer remote sensor is the most popular model for HVAC applications.

Features

Display Air Flow (CFM/CMM), or Air Velocity plus Temperature & Max/Min/Avg value
Easy to set Area dimensions (cm²) stored in the meter's internal memory for the next power on
Resolution of 0.01m/sec
20 points average for Air Flow
Super large LCD Backlit Display
3% velocity accuracy via low friction 2.83"D (72mm) ball bearing vane wheel on 3.9ft (120cm) cable
Low battery indication and Auto Power Off

Specifications

Air Velocity	Range	Accuracy
m/s(meter per second)	0.40~30.00	±3% ±0.20m/s
ft/min(feet per minute)	80~5900	±3% ±40ft/min
km/h(kilometers per hour)	1.4~108.0	±3% ±0.8km/h
MPH(miles per hour)	0.9~67.0	±3% ±0.4MPH
Knots(nautical miles per hour)	0.8~58.0	±3% ±0.4knots
Air Temperature	-10 to 60°C(14 to 140°F)	± 2.0°C(±4.0°F)
Air Flow	Range	Area
CFM	0-999900	0-999.9 ft ²
CMM	0-999900	0-999.9 m ²
Humidity	0~100%RH	±3.5%RH

Size(HxWxD): 185mm x 65mm x 45mm

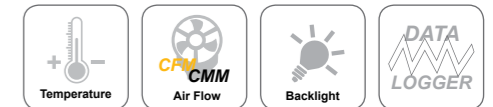
Weight: 248g

Accessories :

9V battery and Anemo probe, Gift box with carrying case.

DT-857

Hot Wire Anemometer with Datalogger



Made for
iPod iPhone iPad

High Quality Sensor

Bluetooth

CE

EMC
EN: 61326

857 Hot Wire Anemometer makes a step forward for you into the field of precision measurement. Telescoping probe is ideal for measuring in HVAC ducts and other small vents; extends up to 20m/s.

Features

Smart phone APP
Single-point and continuous data log options
Velocity alarm
A bluetooth telescoping probe
LED backlight
Auto power off
Low-battery indication
Data hold
Probe sensor cover
Bluetooth communication

Specifications

Air Velocity	Range	Resolution	Accuracy
m/s(meter per second)	0.1~20m/s	0.01m/s	±5%+0.03 m/s
ft/min(feet per minute)	20~3937ft/min	1ft/min	±5%+6ft/min
km/h(kilometers per hour)	0.3~72km/h	0.1km/h	±5%+0.1 km/h
MPH(miles per hour)	0.2~44.7MPH	0.1MPH	±5%+0.1 MPH
Air Temperature	-20~60°C (-4~140°F)	0.1°C/0.1°F	0.5°C(0~45°C), 1.0°C (rest of range) 1.0°F(32~113°F),2.0°F (rest of range)

Size(HxWxD): 185mm x 65mm x 45mm

Weight: 248g

Accessories :

3.7 Li battery, USB cable, software, Carrying case and Gift box.



Model 857

DT-858 Professional RTD Thermometer

A digital substitute for your mercury-in-glass thermometers. Accurate and repeatable to ± 0.05 °C over its full range of industrial temperature calibration. Whether working outdoors in environments where potentially explosive gases may be present or on the floor of a processing plant, the intrinsically-safe, battery operated, portable reference thermometer is designed to go where you work.

Features

Accuracy of ± 0.05 °C (± 0.09 °F) over full range
Two models to choose from (-50 °C to 160 °C)
User-configurable temperature Trend/Stability indicator
Display temperature in °C or °F
Optional data logging to internal memory
Percent battery-life and low-battery indicator
Bluetooth interface

Specifications

Function	Range:	Resolution	Accuracy
Temperature	-50 °C to 160 °C (-58 °F to 320 °F)	0.01 °	± 0.05 °C (± 0.09 °F)
Sensor type	100 Ω thin-film RTD		
Display units	°C, °F		

Size(HxWxD): 190mm x 75mm x 38mm

Weight: 320g

Accessories :

3.7V Li-ion battery and Sensor probe,

Gift box with carrying case.

CE

EMC
EN: 61326

High Accuracy

Fast Response

Bluetooth



Model 858

Professional Multifunction Environment Meters



4 in 1 Multifunction Environment Meter

CE
EMC
EN: 61326



Model 859A

Model 859B

4 in 1 Multifunction Environment Meter



The digital Multifunction Environment Meter has been designed to combine the functions of Sound Level Meter, Light Meter, Humidity Meter Temperature Meter and CFM/CMM Thermo-Anemometer (859B 5in1). It is an ideal Multifunction Environment Meter Instrument with scores of practical applications for professional and home use.

- The Sound level function can be used to measure noise in factories, schools, offices, home, etc, checking acoustics of studios, auditoriums and hi-fi installations.
- The Light function is used to measure luminance in the field. It is fully cosine corrected for the angular incidence of light. The light sensitive component used in the meter is a very stable, long, life silicon diode.
- The Humidity/Temperature uses a humidity/semiconductor sensor and K type thermocouple.
- CFM/CMM Thermo-Anemometer is suitable for use in a wide variety of applications, including plant maintenance operations, environmental analysis, fume hood testing, and HVAC system assessment

Features

- Larger LCD display with backlight.
- Relative time clock on MAX MIN and AVG provides a time reference for measurement.
- Display Sound, Light, Type K Temperature plus Humidity & Temperature simultaneously.
- USB interface, USB to UART Bridge Controller..
- Low battery indication, and Auto Power Off mode (Sleep mode) increases.

Size(HxWxD): 248mm x 65mm x 45mm
Weight: 365g

Accessories :
9V battery, K-type temperature probe, %RH probe, dB probe, Anemo probe, photo detector and gift box with carrying case.

Specifications

Function	Range:	Resolution	Accuracy	859A	859B
Type K Temp	-200°C to 1372°C (-328°F to 2501°F)	0.1°	Above -100°C (-148°F) ±[0.15%rgd+1°C(1.8°F)] Blow -100°C (-148°F) ±[0.5%rgd+2°C(3.6°F)]	*	*
Air Temp	-30°C~100°C (-22°F~199°F)	0.1°	±1°C/1.8°F	*	*
Humidity	0~100%RH	0.1%RH	±3.5%RH	*	*
Sound Level	30dB~130dB	0.1dB	±3.5dB	*	*
Light	20,200,2000, 20000Lux	0.01,0.1,1,10Lux	±5%±10d	*	*
Anemo	0.40-30.00 m/s	0.01 m/s	±3% ±0.20 m/s	*	*
	80-5900 ft/min	1 ft/min	±3% ±40 ft/min		
	1.4-108.0 km/h	0.1 km/h	±3% ±0.8 km/h		
	0.9-67.0 MPH	0.1 MPH	±3% ±0.4 MPH		
	0.8-58.0 Knots	0.1 knots	±3% ±0.4 knots		
Air Flow	0-999,900 CFM	0.001 to 100 CFM	Accuracy is function of velocity and area	*	*
	0-999,900 CMM	0.001 to 100 CMM			

This is a multi-function meter, with temperature and humidity detection, infrared temperature measurement, laser ranging, wood humidity measurement (probes and touch), flashlights, time settings and data recording and other functions. It is a powerful and versatile instrument for measuring and diagnosing humidity of building and building materials.
With 8 buttons, the operation is simple, the interface is bright and beautiful, the function is powerful.

High Accuracy

Fast Response



Model 269



EMC
EN: 61326



Model 279

Features

- Built-in Thermal Imager design quickly identifies hot spots without contact (279)
- Quickly indicates the moisture content of materials with Pin less technology without damaging the surface; Optional remote Pin-type probe allows for moisture readings at different Penetration levels (3ft/0.9m cable length)
- Designed with patented IR design to measure non-contact surface temperature; 8:1 distance to spot ratio with 0.95 fixed emissivity.
- Built-in Humidity/Temperature probe measures Relative Humidity,
- Air Temperature plus grains per pound (GPP) and dew point (DP)
- Automatic calculation of differential Temperature (IR - DP)
- Auto power off and low battery indication
- Keep data convenient and easy to access each record with single deletion and total deletion
- Laser range measurement is short in time and high in accuracy. It can measure length, area and volume
- Color, graphical interface, simple operation, easy to understand icons, pictures of beautiful

Specifications

Thermal Imager	269	279
IR resolution	80x80 pixels	*
Field of View (FOV)	21 x 21°	*
Thermal sensitivity/NETD	< 0.08°C /80mK	*
Image frequency	50Hz	*
Object temperature range	range: -20 to 200°C (-4 to 392°F)	*
Spectral range	8-14 μm	*
Color palettes	IRON/Rainbow/Grey/Grey Inverted	*
Accuracy	±2°C (±3.6°F) or ±2% of reading	*

Functions	Range	Resolution	Accuracy	*	*
Wood moisture	0-99.9	0.1	±5	*	*
laser	0.11m - 50m	0.001m	±1.5mm	*	*
Temperature	-20°C to 70°C (-4 to 158°F)	0.1°C	±2°C	*	*
Humidity	0-100%RH	0.1%RH	±3.5%RH(20~80%RH) ±5%RH(0~20%RH/80~100%RH)	*	*

Size(HxWxD): 118mm x 80mm x 48mm **Weight:** 320g
Accessories : 4 x "AAA" battery and Sensor probe, Gift box with carrying case.



This instrument is a high-quality measuring instrument that can be used for environmental measurement, such as: CO, CO₂, O₂, combustible gas monitoring and other gas analysis, built-in high-precision gas sensor can accurately measure the current environment. Its wide range of applications, can be used as a heating system troubleshooting, statutory limit monitoring or routine maintenance work of reliable partners, The device supports excessive alarm function. When the detection result exceeds the preset alarm value, the buzzer and LED alert user will be generated. At the same time the device supports data logging, users can save and view historical data at any time.



Features

- Large-screen color display
- CO gas measurement
- CO₂ gas measurement
- O₂ gas measurement
- Combustible gas measurement
- Temperature and humidity measurements
- The maximum, minimum, average measurement and data retention
- Real-time clock display
- Data logging and query function
- Automatic shutdown function

Specifications

Function	Range	Resolution	Accuracy
Oxygen	0-30% VOL	0.1%	
Carbon dioxide	0-9999ppm	1ppm	±5%±75ppm
Carbon monoxide	0-1000ppm	1ppm	±5%±10ppm
Temperature	-20°C to 70°C (-4 to 158°F)	0.1°C	±1°C
Humidity	0-100%RH	0.1%RH	±3.5%RH(20-80%RH) ±5%RH(0-20%RH/80-100%RH)

Size(HxWxD): 92mm x 185mm x 63mm
Weight: 706g

Accessories:
3.7V Li battery, USB cable, CD, gift box with carrying case.



Model 9895



Hand-Held Dewpoint Meter for Spot-Checking Applications



CE

EMC
EN: 61326

The Handheld Dewpoint Meter measures dew point temperature accurately over a wide measurement range. The probe may be inserted directly into pressurized processes, and it responds rapidly from ambient to process conditions. The sensor withstands condensation and fully recovers from getting wet. The meter is suitable for direct process dew point measurement in a wide temperature and pressure range.



Features

- Designed for industrial spot-checking and field calibration
- Accurate measurement ranges from -70 to +30 °C (-94 to +86 °F)
- The high quality sensor, optimal for low humidity measurement
- Low maintenance need due to superior long-term stability
- Sensor withstands condensation
- Fast response, enhanced by Sensor Purge option
- Data can be logged and CSV file transferred to a PC via meter USB flash disk
- Compact, small and light
- CSV file Data logger
- Rechargeable lithium battery

DP-50 probe Specifications

Function	Range	Resolution	Accuracy
Relative Humidity	0 to 100%	0.01	RH<5%±(0.025%RH+17.5%rdg) RH>5%±(1%RH+5%rdg) RH>15%±(2%RH+3%rdg)
Dew point	-50~30 °C (-58~86 °F)	0.01	-40...+20°C±2°C (±3.6°F)
Temperature	-10~60 °C (14~140 °F)	0.01	-10...+50 °C (+14...+122 °F) ±0.3°C(±0.54 °F) rest of range ±0.4°C(±0.72 °F)

Dew point response time : flow rate 0.2 m/s, 1 bar pressure, +20 °C (+68 °F) 63% [90%]
0 -> -40 °C Td (32 -> -40 °F Td) 20 s [120 s]
-40 -> 0 °C Td (-40 -> 32 °F Td) 10 s [20 s]

DP-60 probe Specifications

Function	Range	Resolution	Accuracy
Dew point	-70 ~ 30 °C (-94 ~ 86 °F)	0.01	-60 ~ +20 °C ±2 °C (±3.6 °F)
Relative Humidity	0 ~ 100%	0.01	RH<5%±(0.025%RH+17.5%rdg) RH>5%±(0.8%RH+2%rdg)
Temperature	-10 ~ 60 °C (14 ~ 140 °F)	0.01	±0.2°C (±0.36 °F)

Dew point response time: flow rate 0.2 m/s, 1 bar pressure, +20 °C (+68 °F) 63% [90%]
0 -> -60 °C Td (32 -> -76 °F Td) 50 s [340 s]
-60 -> 0 °C Td (-76 -> 32 °F Td) 10 s [20 s]

DT-8320 Professional RTD Thermometer

A digital substitute for your mercury-in-glass thermometers! Accurate and repeatable to ± 0.05 °C over its full range of industrial temperature calibration. Whether working outdoors in environments where potentially explosive gases may be present or on the floor of a processing plant, the intrinsically-safe, battery operated, portable reference thermometer is designed to go where you work.

Features

- Accuracy of ± 0.05 °C (± 0.09 °F) over full range
- Two models to choose from (-50 °C to 160 °C)
- User-configurable temperature Trend/Stability indicator
- Display temperature in °C or °F
- Optional data logging to internal memory
- Percent battery-life and low-battery indicator

Specifications

Function	Range:	Resolution	Accuracy
Temperature	-50 °C to 160 °C (-58 °F to 320 °F)	0.01 °	± 0.05 °C (± 0.09 °F)
Sensor type	100 Ω thin-film RTD		
Display units	°C, °F		

Size(HxWxD): 190mm x 75mm x 38mm

Weight: 320g

Accessories :

3.7V Li-ion battery and Sensor probe,
Gift box with carrying case.

CE

EMC
EN: 61326

High Accuracy

Fast Response

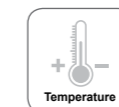


Model 8321

Size(HxWxD): 190mm x 75mm x 38mm

Weight: 320g

Accessories : 3.7V Li-ion battery and Sensor probe,
Gift box with carrying case.



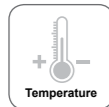
High Accuracy

Fast Response

CE

EMC
EN: 61326

Model 8320



A digital substitute for your mercury-in-glass thermometers! Accurate and repeatable to ± 0.05 °C over its full range of industrial temperature calibration. Whether working outdoors in environments where potentially explosive gases may be present or on the floor of a processing plant, the intrinsically-safe, battery operated, portable reference thermometer is designed to go where you work.

Features

- Accuracy of ± 0.05 °C (± 0.09 °F) over full range
- Two models to choose from (-50 °C to 160 °C)
- User-configurable temperature Trend/Stability indicator
- Display temperature in °C or °F
- Optional data logging to internal memory
- Percent battery-life and low-battery indicator
- Bluetooth interface

Specifications (1616)

Function	Range:	Resolution	Accuracy
Temperature	-50 °C to 160 °C (-58 °F to 320 °F)	0.01 °	± 0.05 °C (± 0.09 °F)
Sensor type	100 Ω thin-film RTD		
Display units	°C, °F		

Specifications (1616B)

Function	Range:	Resolution	Accuracy
Temperature	-50 °C to 160 °C (-58 °F to 320 °F)	0.01 °	± 0.1 °C (± 0.18 °F)
Sensor type	100 Ω thin-film RTD		
Display units	°C, °F		

Size(HxWxD): 54mm x 31mm x 480mm

Weight: 220g

Accessories :

2 x 1.5V "AA" batteries and Sensor probe,
Gift box with carrying case.



Bluetooth

Model 1616

High Accuracy

Fast Response



8516 light meter provides accurate display light level in terms of Foot Candles FC or LUX over wide range. Just turning the Function Switch to select the "lux" scale and setting the range to desired range, then removing the photo detector to light source in a horizontal position and reading the illuminance nominal from the LCD display. When the measurement is completed, replace the photo detector from the light source.

Features

- 2.4" TFT color display
- Auto Ranging
- Max./Min/AVG function
- Auto Power Off
- Low battery indication
- User selectable FC/Lux
- Capacity for data logging (99 readings)
- Total accuracy: for C.I.E standard illuminate A(2856K)
- Bluetooth interface with Smart phone APP

Specifications

Measuring range	400,000Lux
Accuracy	$\pm 5\% \pm 10d$ (<10,000Lux) $\pm 10\% \pm 10d$ (>10,000Lux)
Max Resolution	0.1Lux/0.01Fc
Bluetooth interface	*

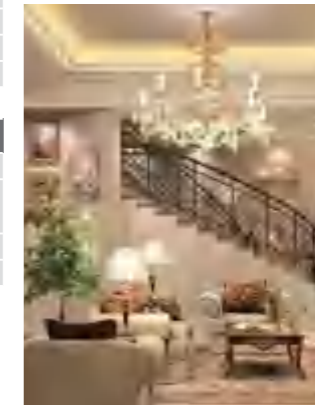
Size(HxWxD): 185mm x 68mm x 45mm

Weight: 248g

Accessories :

3.7V Li-battery, USB cable, software, Carrying case
and Gift box.

Bluetooth



CE

EMC
EN: 61326

Model 8516

DT-8517 Professional Smart Hot Wire Anemometer Meter with Thermocouple Thermometer

8517 Hot Wire Anemometer makes a step forward for you into the field of precision measurement. Telescoping probe is ideal for measuring in HVAC ducts and other small vents; extends up to 20m/s.



Features

- 2.4" TFT color display
- Single-point and continuous data log options
- Velocity alarm
- A bluetooth telescoping probe
- Type K/Type J input
- Auto power off
- Low-battery indication
- Data hold
- Probe sensor cover
- Bluetooth interface with Smart phone APP

Specifications

Air Velocity	Range	Resolution	Accuracy
m/s(meter per second)	0.1~30m/s	0.01m/s	$\pm 5\% + 0.03$ m/s
ft/min(feet per minute)	20~3937ft/min	1ft/min	$\pm 5\% + 6$ ft/min
km/h(kilometers per hour)	0.3~72km/h	0.1km/h	$\pm 5\% + 0.1$ km/h
MPH(miles per hour)	0.2~44.7MPH	0.1MPH	$\pm 5\% + 0.1$ MPH
Air Temperature	-20~60°C (-4~140°F)	0.1°C/0.1°F	0.5°C(0~45°C), 1.0°C (rest of range) 1.0°F(32~113°F), 2.0°F (rest of range)
Type K/ Type J	-200°C to 1372°C (-328°F to 2501°F)	0.1°C/0.1°F	
	Above-100°C (-148°F)	0.1°C/0.1°F	$\pm [0.15\%rdg + 1^\circ C(1.8^\circ F)]$
	Below -100°C (-148°F)	1°C/1°F	$\pm [0.5\%rdg + 2^\circ C(3.6^\circ F)]$

Size(HxWxD): 185mm x 68mm x 45mm

Weight: 248g

Accessories :

3.7V Li-battery, USB cable, software, Carrying case
and Gift box.



Bluetooth

CE

EMC
EN: 61326

Model 8517

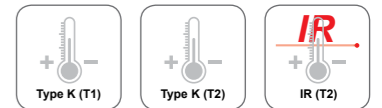
Professional Thermocouple Thermometers



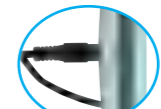
8891/8891A/8891B/8891C/8891D/8891E contact thermometers offer fast response and laboratory accuracy. These thermometers work with K-type thermocouples and one IR temperature probe as temperature sensors, and offer 0.1 °C/0.1 °F resolution.

- Large backlit display shows any combination of T1, T2, T3, T1-T2, T1-T3, T2-T3 plus MAX, MIN, AVG
- Relative time clock on MAX, MIN and AVG provides a time reference for major events
- Electronic Offset function allows compensation of thermocouple errors to maximize overall accuracy
- Readout in °C, °F, or Kelvin (K)
- USB interface, USB to UART Bridge Controller(8891C/8891D/8891E)
- 18,000 records data logger per channel(8891C/8891E)
- Auto Power Off mode (Sleep mode) energy saver

Type K Dual inputs (8891A)



Type K Dual inputs with IR Thermometer (8891)



Infrared Input



Temperature probe (Optional)



Thermistor clamp (Optional)



Model 8891

Features

	8891	8891A	8891B	8891C	8891D	8891E
User Selectable °C, °F or K	*	*	*	*	*	*
0.1 °C/0.1 °F/0.1K resolution.	*	*	*	*	*	*
Type K Single input			*			
Type K Dual inputs	*	*		*		
Type K four inputs					*	*
IR temperature input	*		*	*	*	*
Max/Min/Avg Hold and Data Hold	*	*	*	*	*	*
Differential Temperature	*	*	*	*	*	*
Scan Function(T1,T2,T3,T-T2.....)	*	*	*	*	*	*
LCD display with backlight	*	*	*	*	*	*
Wide variety of interchangeable Thermocouple Probes	*	*	*	*	*	*
Auto Power Off	*	*	*	*	*	*
USB interface				*	*	*
Data logging function				*		*

Specifications

	Range	Basic Accuracy	8891	8891A	8891B	8891C	8891D	8891E
Type K	-200°C to 1372°C (-328°F to 2501°F)		T1,T2	T1,T2	T1	T1,T2	T1,T2, T3,T4	T1,T2, T3,T4
	Above -100°C (-148°F)	±[0.15%rdg+1°C(1.8°F)]						
	Blow -100°C (-148°F)	±[0.5%rdg+2°C(3.6°F)]						
IR temperature	-30°C to 550°C (-22°F to 1022°F)		T3		T2	T3	IR	IR
	Above -10°C (14°F)	±[2.0%rdg+2°C(3.6°F)]						
	Blow -10°C (14°F)	±5°C (9.0°F)						
Type K- Type K temperature		±[0.5%rdg+1°C(1.8°F)]	T1-T2		T1-T2	T1-T2	T1-T2, T3-T4	T1-T2, T3-T4
Type K-IR temperature	IR temperature							
	Above -10°C (14°F)	±[2.0%rdg+3°C(3.6°F)]	T1-T3, T2-T3		T1-T2	T1-T3, T2-T3	T1-IR, T2-IR	T1-IR, T2-IR
	Blow -10°C (14°F)	± 6°C (9.0°F)						
IR-Type K temperature	IR temperature							
	Above -10°C (14°F)	±[2.0%rdg+3°C(3.6°F)]					IR-T3, IR-T4	IR-T3, IR-T4
	Blow -10°C (14°F)	± 6°C (9.0°F)						



Model 8891E

Size(HxWxD): 203mm x 75mm x 50mm
Weight: 280g

Accessories : 9V battery, Type K temp probe, IR temp probe(8891/8891B/8891C/8891D/8891E), USB cable(8891C/8891D/8891E), software(8891C/8891D/8891E), Carrying case and Gift box.



Model 8896



The Psychrometer with InfraRed Thermometer has been designed to combine the functions of Humidity meter, Type K Thermometer and Infrared Thermometer.

Features

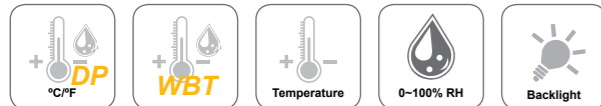
- Infrared to measure surface temperature with red laser indication
- Triple digital LCD display & Backlight
- Slim design with rubberized sides for better grip and for one hand operation
- Auto Power off & low battery indication
- Accurate reading & Fast response time
- Simultaneous display of: Humidity/Temperature; Humidity/Dew Point; Humidity/Wet Bulb
- Highest 30 to 1 distance to target ratio measures smaller surface areas at greater distances.

Specifications

Function	Range	Resolution	Accuracy
Type K Temperature	-100~1372°C(-148~2501°F)	0.01°C/°F	±3% ±0.20m/s
InfraRed Temperature	-50 to -20°C(-58 to -4°F)	0.1°C/°F	± 5.0°C(9.0°F)
	-20 to 500°C(-4 to 932°F)	0.1°C/°F	±2% reading or ±2°C(4°F)
Air Temperature	-10-60°C(14-140°F)	0.1°C/°F	± 2.0°C(4.0°F)
Humidity	0%~99.9%RH	0.1%RH	±2%RH
Dew Point Temp.	-30°C~100°C(-22°F~199°F)	0.1°C/°F	±0.5°C/0.9°F
Wet Bulb Temp.	0°C~80°C(32°F~176°F)	0.1°C/°F	±0.5°C/0.9°F

Size(HxWxD): 255mm x 75mm x 50mm **Accessories :** 9V battery, type K temperature probe and gift box with carrying case.
Weight: 350g

DT-8892 Professional Hygro-Thermometer Psychrometer



%RH, Temperature, Dew point, Wet bulb, absolute Humidity, Mixing ration

Mixing ration/ Temperature

Features

- Highest 2% RH accuracy with fast response time
- Large LCD display of: Humidity/Temperature;
- Humidity/Dew Point; Humidity/Wet Bulb
- Auto power off and low battery indication
- High Performance
- Max Hold and Data Hold Function
- Dual Display & Backlight

Specifications

Function	Range	Basic Accuracy(%rdg+digits)
Humidity	0°C~10%RH, 90°C~100%RH	±3%RH
	10°C~90%RH	±2%RH
Temperature	-30°C~100°C/-22~199°F	±0.5°C/0.9°F
	-20°C~60°C/-4~140°F	±2°C/4°F
Dew point Temp	-30°C~100°C/-22~199°F	±0.5°C/0.9°F
Wet Bulb Temp	0°C~80°C/32~176°F	±0.5°C/0.9°F

Size(HxWxD): 255mm x 45mm x 34mm **Accessories :** 9V battery and gift box with carrying case
Weight: 200g



Model 8892

3610B/3630/3891F/3891G contact thermometers offer fast response and laboratory accuracy. These thermometers work with K-type/J-type thermocouples and offer 0.1 °C/0.1 °F resolution.

- Large backlit display shows any combination of T1, T2, T3, T1-T2, T1-T3, T2-T3 plus MAX, MIN, AVG
- Relative time clock on MAX, MIN and AVG provides a time reference for major events
- Electronic Offset function allows compensation of thermocouple errors to maximize overall accuracy
- Readout in °C, °F, or Kelvin (K/J)
- USB interface, USB to UART Bridge Controller(3891F/3891G)
- 18,000 records data logger per channel(3891F/3891G)
- Auto Power Off mode (Sleep mode) energy saver

Features

	3610B	3630	3891F	3891G
User Selectable °C, °F or K	*	*	*	*
0.1 °C/0.1 °F/0.1K resolution.	*	*	*	*
Type K/Type J Single input	*			
Type K/Type J Dual inputs		*	*	
Type K/Type J four inputs				*
Max/Min/Avg Hold and Data Hold	*	*	*	*
Differential Temperature		*	*	*
Scan Function(T1,T2,T3,T-T2.....)	*	*	*	*
LCD display with backlight	*	*	*	*
Wide variety of interchangeable Thermocouple Probes	*	*	*	*
Auto Power Off	*	*	*	*
USB interface			*	*
Memory Readings			18,000	18,000

Specifications

	Range	Basic Accuracy	3610B	3630	3891F	3891G
Type K	-200°C to 1372°C (-328°F to 2501°F)	±[0.15%rdg+1°C(1.8°F)]	T1	T1,T2	T1,T2	T1,T2,T3,T4
Type J	-210°C to 1100°C (-346°F to 2012°F)	±[0.15%rdg+1°C(1.8°F)]	T1	T1,T2	T1,T2	T1,T2,T3,T4
Type K- Type K/ Type J- Type J temperature		±[0.5%rdg+1°C(1.8°F)]		T1-T2	T1-T2	T1-T2, T3-T4

Size(HxWxD): 160mm x 58mm x 27mm
Weight: 350g

Accessories : 9V battery, type K temperature probe and gift box with carrying case.



Model 3610B



Model 3891G



Model 630



EMC
EN: 61326

- Type K thermometer with single or dual input direct or differential measurements to 0.1°
- Accuracy to 0.15% °C or °F readout (630)
- Electronic Offset function allows compensation of thermocouple errors to maximize overall accuracy
- Readout in °C, °F, or Kelvin(K)
- Auto Power Off (Sleep mode) prolongs battery life

Features	9610B	9612	629	630
User Selectable °C or °F	*	*	*	*
User Selectable 0.1°C or 1°C(0.1°F or 1°F) Resolution	*	*	*	*
Type K Thermocouples	*	*	*	*
Single Thermocouple Input	*		*	
Dual Thermocouple Input		*		*
Wide variety of interchangeable Thermocouple Probes	*	*	*	*
Max Hold and Data Hold	*	*	*	*
Differential Temperature (T1-T2)		*	*	*
SCAN Function (T1, T2, T1-T2, MAX, HOLD.....)		*	*	*
LCD display with backlight			*	*

Specifications	9610B / 629	9612	630
Function			
Temperature	-50~1300°C -58~2000°F	±(0.5%±1°C) ±(0.5%±2°F)	±(0.15%±1°C) ±(0.15%±2°F)
Resolution	0.1° or 1°	*	*

Specifications (630)	Basic Accuracy
Range: -200°C to 1372°C (-328°F to 2501°F)	
T1, T2 Above -100°C (-148°F)	±[0.15%rdg+1°C(1.8°F)]
T1, T2 Blow -100°C (-148°F)	±[0.5%rdg+2°C(3.6°F)]
T1-T2	±[0.5%rdg+1°C(1.8°F)]
Type K Temperature Resolution	0.1°C/°F/K<1000°; 1°C/°F/K>1000°

Size(HxWxD): 188mm x 64.5mm x 24.5mm (9610B/9612)

Weight: 160g (9610B/9612)

Size(HxWxD): 220mm x 63mm x 28mm (629/630)

Weight: 200g (629/630)

Accessories :

9V battery, Holster with stand and Temperature probe.



Model 9612



Single or Dual Thermocouple Input

DT-1370 Thermometer



Model 1370



EMC
EN: 61326

The 1370 contact thermometer offer fast response, offer 0.1°C/0.1°F resolution over the entire measurement ranges.

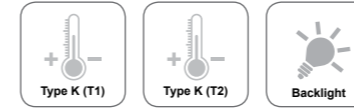
- Selectable °C or °F
- Data Hold
- Auto power off
- Overrange indication

Specifications	
Range	-50°C to 200°C(-58°F to 392°F)
Resolution	0.1°C /°F
Basic Accuracy	±2%±1°C/±1.8°F

Size(HxWxD): 113mm x 61mm x 13mm

Weight: 90g

Accessories: Clamshell

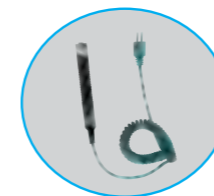


The 610B (single input) and 612(dual inputs) contact thermometers offer fast response and laboratory accuracy. The DT-613 (dual inputs) is a microprocessor-based digital thermometer designed to use external type K thermocouples (temperature probes) as temperature sensors. These thermometers work with type K thermocouples and offer 0.1°C/0.1°F resolution over the entire measurement range. A rugged holster protects three models.

- Type K thermometer with single or dual inputs direct or differential measurements to 0.1°
- Accuracy to 0.15% °C or °F readout (613)
- Electronic Offset function allows compensation of thermocouple errors to maximize overall accuracy
- Readout in °C, °F, or Kelvin(K)
- Auto Power Off (Sleep mode) prolongs battery life



EMC
EN: 61326



Optional



Single or Dual Thermocouple Input



Large, easy-to-read LCD display with backlight



Model 613

Features	610B	612	613
User Selectable °C or °F	*	*	*
User Selectable 0.1°C or 1°C(0.1°F or 1°F) Resolution	*	*	*
Type K Thermocouples	*	*	*
Single Thermocouple Input	*		
Dual Thermocouple Inputs		*	*
Wide variety of interchangeable Thermocouple Probes	*	*	*
Max Hold and Data Hold	*	*	*
Differential Temperature (T1-T2)		*	*
SCAN Function (T1, T2, T1-T2, MAX, HOLD.....)		*	*
LCD display with backlight	*	*	*

Specifications	610B	612	613
Function			
Temperature	-50~1300°C -58~2000°F	±(0.5%±1°C) ±(0.5%±2°F)	±(0.15%±1°C) ±(0.15%±2°F)
Resolution	0.1° or 1°	*	*

Specifications (613)	Basic Accuracy
Range: -200°C to 1372°C (-328°F to 2501°F)	
T1, T2 Above -100°C (-148°F)	±[0.15%rdg+1°C(1.8°F)]
T1, T2 Below -100°C (-148°F)	±[0.5%rdg+2°C(3.6°F)]
T1-T2	±[0.5%rdg+1°C(1.8°F)]
Type K Temperature Resolution	0.1°C/°F/K<1000°; 1°C/°F/K>1000°

Size(HxWxD): 165mm x 76mm x 43mm

Weight: 403g

Accessories :

9V battery, Holster with stand, Type-K Temperature probe and gift box with carrying case.

Dual Temperature inputs (612/613)

High Accuracy to 0.15% (613)



Model 610B

Model 612



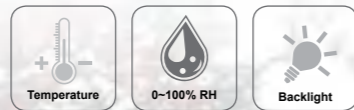
Model 615



Model 625



Model 616CT



Large LCD display



EMC
EN: 61326



High Performance and quality sensor

625 is digital Humidity & Temperature Meter with Wet Bulb Temperature & Dew Point temperature, which has been designed to combine the functions of Humidity Meter, Temperature Meter, Wet Bulb Temperature and Dew point temperature.

It is an ideal Humidity & Temperature Meter with scores of practical applications for laboratorial, industrial, Engineer and professional use.

615 is Humidity meter with Air and type K thermocouple thermometer.

- Large, easy-to-read backlit LCD with dual display
- Fast Response Time: 10s (90% at 25°C still air)
- 2% High Accuracy (625)
- Dew Point Temperature (-30°C~100°C/-22°F~199°F) (625)
- Wet Bulb Temperature (0°C~80°C/32°F~176°F) (625)
- Resolution 0.1%RH, 0.1°C/0.1°F
- Max/Min Hold and Data Hold Function (625)
- Microprocessor-based Design (625)
- Dual Display Temperature & Humidity

Features	615	625	635	616CT
Large dual digital LCD display with backlight	*	*	*	*
Response Time: 10s (90% at +25°C still air)	*	*	*	*
Sampling Rate: 2.5 samples per second	*	*	*	*
Dew Point Temperature & Wet Bulb Temperature		*	*	
2% High Accuracy		*	*	*
Dual Display Temperature & Humidity	*	*	*	*
Type K temperature	*		*	
Non-contact IR temperature				*

Specifications	Function	Range	Resolution	Basic Accuracy	615	625	635	616CT
Humidity		0°C~100%RH	0.1%RH	±2%RH		*	*	*
Temperature		-30°C~100°C/-30°F~199°F	0.1°C/°F	±0.5°C/0.9°F		*	*	*
Type K Temp.		-20°C~1000°C/ -4°F~1832°F	0.1° up to 200°, 1° over 200°	±3%	*		*	
Dew Point Temp.		-30°C~100°C/-22°F~199°F	0.1°C/°F	±1.0°C/1.8°F		*	*	
Wet Bulb Temp.		0°C~80°C/32°F~176°F	0.1°C/°F	±1.0°C/1.8°F		*	*	
IR temp.		-50°C~500°C/-58°F~932°F	0.1° up to 200°, 1° over 200°	±2.0%±2°C/4°F				*

Size(HxWxD): 225mm x 45mm x 34mm

Weight: 200g

Accessories:

Carrying case, type K temperature probe (615/635) and 9V battery.



321 is compact probe size digital Hygro-Thermometer, ideal for field use with high performance.

321S is fast response, high accuracy digital Hygro-Thermometer with Dew point & Wet bulb Temperature measurement.

321F with 8 inches Gooseneck detector is easy to measure the hard-reached areas. It's fast response, high accuracy digital Hygro-Thermometer with Dew point & Wet bulb Temperature measurement.

8" inch Gooseneck detector (321F)

- Fast Response
- High Accuracy



EMC
EN: 61326



High Quality Sensor



Model 321S

Features	321	321S/321F
Mini size	*	*
Fast Response Time	*	*
High Accuracy		*
High Performance	*	*
Max Hold and Data Hold Function	*	*
Dual Display & Backlight	*	*
Dew Point & Wet Bulb Temperature		*

Specifications	Function	Range	Basic Accuracy	321	321S/321F
Humidity		0~100%RH	±2%RH		*
			±3.5%RH	*	
Temperature		-30~100°C/ -22~199°F	±0.5°C/0.9°F		*
		-20~60°C/ -4~140°F	±2°C/4°F	*	
Dew Point Temp.		-30~100°C/ -22~199°F	±0.5°C/0.9°F		*
Wet Bulb Temp.		0~80°C/ 32~176°F	±0.5°C/0.9°F		*

Size(HxWxD): 255mm x 45mm x 34mm

Weight: 200g

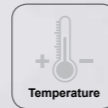
Accessories:

9V battery and gift box with carrying case.





Model 325B



Model 325A



Model 325B



Model 325F



Model 325C

Specifications

Model	DT-325A	DT-325B	DT-325C	DT-325D	DT-325E	DT-325F	DT-325G
	Big Digit Hygro-Thermometers				Big Digit Thermometers		
	Indoor Thermometer	Indoor/Outdoor Hygro-Thermometer	Dual input Indoor/Outdoor Hygro-Thermometer	Dual input Indoor/Outdoor Hygro-Thermometer with Alarm & Time	Dual input Indoor/Outdoor Thermometer	Indoor/Outdoor Type-T probe input & longer cable length Thermometer	Indoor/Outdoor high accuracy refridge bottle probe only Thermometer
Temperature Range	-10°C to 60°C (14 to 140°F)	-10°C to 60°C (14°F to 140°F)	(-10°C to 60°C) 14°F to 140°F	-10°C to 60°C (14°F to 140°F)	-10 to 60°C (14 to 140°F)	-50°C to 70°C (-58°F to 158°F)	
Temperature Accuracy	±1.8F	±1.8F	±1.8F	±1.8F	±1.8F	±1.0F	
Temperature Resolution	0.1°	0.1°	0.1°	0.1°	0.1°	0.1°	
Humidity Range	10 to 99%	10 to 99%	10 to 99%	10 to 99%	No	No	
Humidity Accuracy	±4%	±4%	±4%	±4%	No	No	
Humidity Resolution	1%	1%	1%	1%	No	No	
Dew point temperature	NO	No	No	Yes	No	No	
MAX/MIN	No	No	Yes	Yes	No	YES	
Alarm (sound & display)	No	No	No	Yes	No	YES	
Date, time	No	No	No	(Yes)	No	Yes	
Cabel Length	No	5ft(1.5m)	5ft(1.5m)	5ft(1.5m)	10t(3m)	10ft(3m)	
Remote Probe type		Hard wired	Hard wired	Hard wired	Hard wired	Hard wired	plug-probe
Power	2 x1.5V AA Batteries						
Low battery indication					Yes		
°F/°C					Yes		

Size(HxWxD): 108mm x 103mm x 25mm
Weight: 201g

Accessories :
battery, gift box and carrying case.

Features

	3321	3322
User selectable NTC or Type K measure	*	*
Dew Point Temperature measure	*	*
Wet Bulb Temperature measure	*	*
Dry Bulb Temperature measure	*	*
Calculate the Target Superheat		*
Calculate the Target Evaporator Exit Temperature		*
User selectable °C & °F	*	*
MAX,MIN ,HOLD modes	*	*
Dual display with backlight	*	*
Automatic Power Off	*	*
Low battery display	*	*

Specifications

Function	Range	Resolution	Basic Accuracy	3321	3322
Humidity	0~100%RH	0.1%RH	±2%RH	*	*
Temperature	-30~100°C/-30~199°F	0.1°C/°F	±0.5°C/0.9°F	*	*
Type K Temp.	-50~1372°C/-58~2501°F	0.1°C/°F	±0.15°C/1.8°F	*	*
NTC Temp.	0~60°C/32~140°F	0.1°C/°F	±0.5°C/0.9°F	*	*
Dew Point Temp.	-30~100°C/-22~199°F	0.1°C/°F	±1°C/1.8°F	*	*
Wet Bulb Temp.	0~80°C/32~176°F	0.1°C/°F	±1°C/1.8°F	*	*

3321 is a complete digital psychrometer and a very valuable HVAC diagnostic tool. As a psychrometer, it measures wet bulb(WB), dry bulb(DB), percent relative humidity(RH%), and dew point(DP). 3322 is a diagnostic tool, it helps the HVAC technician easily diagnose problems with air flow across the evaporator. It can also calculate the target superheat of a fixed restrictor air conditioning system.

Model 3322

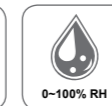
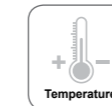


High Accuracy

Fast Response



High Performance and quality sensor



Large, easy-to-read LCD display with backlight



Button on both sides of the rugged housing, easy to use

Model 3321



Size(HxWxD): 220mm x 63mm x 28mm (3321)

Weight: 200g (3321)

Size(HxWxD): 187mm x 63mm x 28mm (3322)

Weight: 176g (3322)

Accessories :

Type K temperature probe (3322) and 9V battery, gift box and carrying case.

DT-322/323 Interior Temperature Hygrometer

Features

Environment Comfort Display: COMFORT, WET, DRY
Time/Temperature/Humidity display
°C/°F Temperature units the way self-locking switch show
Highest/Lowest Temperature and Humidity memory function
Calendar shows the whole point timekeeping, daily alarm functions, 12/24 hour clock

Specifications

Temperature Range	0 ~ 50°C/32 ~ 120°F
Temperature Accuracy	± 1.0°C/1.8°F
Temperature Resolution	0.1°C/0.1°F
Humidity Range	10% RH ~ 90% RH
Humidity Accuracy	± 5% (40% RH ~ 80% RH) other ± 8%

Size(HxWxD): 108mm x 60mm x 15mm

Weight: 74g

Accessories :

battery, gift box and carrying case.



Model 322



Model 323



Multifunction Moisture Meter with Psychrometer & IR Thermometer



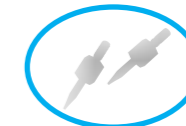
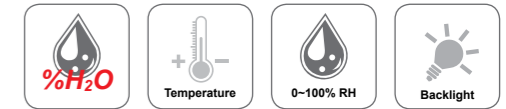
Multifunction Moisture Meter with Built-in Psychrometer and IR Thermometer, Monitoring the moisture in wood and other building materials with virtually no surface damage with the Non-Penetrating Moisture sensor. Measuring Humidity and Air Temperature with built-in probe plus non-contact InfraRed Temperature design.

Features

- Quickly indicates the moisture content of materials with Pinless technology without damaging the surface (239)
- Easy to read, large dual display with automatic backlight feature
- Simultaneously displays moisture value of wood or material being tested, Air Temperature, Humidity and IR Temperature
- Pinless measurement depth to 0.75" (19mm) below the surface (239)
- Programmable high/low Moisture and Humidity alarms
- Designed with an IR circuit to measure non-contact surface temperature; 8:1 distance to spot ratio with 0.95 fixed emissivity
- Built-in Humidity/Temperature probe measures Relative Humidity, Air Temperature plus Grains Per Pound (GPP)/(g/kg), Dew Point (DP), Vapor Pressure, and condensation point
- Automatic calculation of differential Temperature (IR - DP) to determine condensation point
- Min/Max and Data Hold
- Auto power off and low battery indication

Specifications

	229	239
Pin-type moisture Measurement		
Range	0 to 99.9 (Relative)	*
Accuracy (of reading)	±5%	*
Resolution	0.1	*
Pinless Moisture Measurement		
Range	0 to 99.9 (Relative)	*
Accuracy (of reading)	±5%	*
Resolution	0.1	*
Pinless Depth	up to 0.75" (19mm)	*
IR Temperature Measurement		
Range	-50 to -200°C(-58 to -392°F)	*
Distance to Spot size	8:1 Distance to Spot size	*
Emissivity	0.95	*
Response Time	Less than 1 second	*
Resolution	0.1	*
Basic Accuracy	±3.5°C(±9°F)	*
Air Temperature Measurement		
Air Temp Range	-28 to 77°C/-20 to 170°F	*
Basic Accuracy	±2°C/3.6°F	*
Humidity Range	0 to 100%RH	*
Basic Accuracy	±5%RH @0% to 20% and 80% to 100% ±3.5%RH @20% to 80%	*
Vapor Pressure	0 to 20.0kPA	*
Dew Point	-22 to 199°F (-30 to 100°C)	*
Mixing ratio	0 to 999GPP (0 to 160g/kg)	*



replaceable pin



Model 229



Model 239



Measure moisture of wall material with non-invasive Pinless technology



Pinless moisture measurements



Patented IR thermometer design locates cold spots on walls, which identifies surfaces subject to condensation (direct differential display of IR - DP)

Size(HxWxD): 170mm x 70mm x 38mm
Weight: 280g
Accessories: Gift Box with Carrying Case

123/123H/123L/125/125B/127 are used to measure the moisture level in sawn timber (also cardboard, paper) and hardened materials (plaster, concrete and mortar). They display the moisture level. The instruments have an average adjustment for European wood based on a wood temperature of 20°C.

127 is 2 in 1 digital and analog moisture meter
123L is 2 in 1 digital and analog moisture meter with flashlight



EMC
EN: 61326

Features	
Large LCD display	
Readings with Moisture Probe or Hammer Electrode	
Readings with Integral electro Pins	

Specifications	
Measuring principle	Electrical resistance
Electrode length	8mm
Electrodes	Integrated, replaceable
Measuring range	Wood: 6-44% Material: 0.2-2.0%
Display Accuracy	Wood: ±1% Material: ±0.05% (127)
Battery	3 x Cr 2032, replaceables
Temperature measuring	0-60°C
Ambient temperature	0-40°C
Ambient moisture	0-85%

Size(HxWxD): 123/123L/127: 130mm x 40mm x 33mm

Weight: 99g

Size(HxWxD): 125/125B: 140mm x 48mm x 33mm

Weight: 93g



Model 123L



Model 123H



Model 125



Model 125B



replaceable pin



Model 123



Accessories :
battery, clamshell



Calibration and battery check

129 is a conductivity moisture instrument designed for use in wood, used to measure the moisture level in sawn timber (also cardboard, paper) and hardened materials (plaster, concrete and mortar). They display the moisture level. The instruments have an average adjustment for European wood based on a wood temperature of 20°C.

129B is with various professional remote probe.

- Large LCD display
- Automatically Temperature Corrected (ATC) Readings when used with the temperature probe
- Readings with Moisture Probe or Hammer Electrode
- Readings with Integral electro Pins



Built in Pins



Model 129

Features	
Large LCD display	
Readings with Moisture Probe or Hammer Electrode	
Automatically Temperature Corrected (ATC) Readings when used with the temperature probe	
Readings with Integral electro Pins	

Specifications	
Measuring principle	Electrical resistance
Electrode length	8mm
Electrodes	Integrated, replaceable
Measuring range	Wood: 6-99.9%
Display Accuracy	Wood: ±1%
Battery	2 x AAA
Temperature measuring	0-60°C
Ambient temperature	0-40°C
Ambient moisture	0-85%

Size(HxWxD): 180mm x 50mm x 31mm

Weight: 175g

Accessories :
Gift Box with Carrying Case



Optional remote probe

DT-190 Moisture Datalogger

Features	
Recording and alarm setup and indication	
Readings with Moisture Probe or Hammer Electrode	
Real-time data transmission	
Low battery indication	

Specifications	
Measuring range	Wood: 6 - 99.9 % Building material: 6 - 99.9 %
Accuracy	Wood: ±1 %
Ambient temperature	-40 °C ~ -10°C and +40 ~ +70°C / ±2°C -10 °C ~ +40°C / ±1°C
Ambient Relative Humidity	0-20% and 80 - 100% / ±5.0% 20- 80%/±3.5%
Memory	50000 readings
Measuring rate	2sec. to 24h
Professional remote probes	YES

Size(HxWxD): 145mm x 35mm x 30mm Weight: 49g

Accessories : 3.6V Lithium battery, software and clamshell.



Model 190





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Features

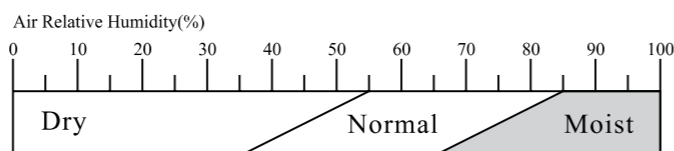
- Quickly indicate the moisture content of materials
- Depth of penetration about 20-40mm.
- Low battery indication
- MAX/MIN Function
- HOLD Function
- Auto Power Off
- White Backlit LCD Display

Specifications

Sensor Type	metal spheroid
Measuring Range	0 to 100 digit
Max Resolution	1
Battery	9V battery
Dimensions	189 x 47 x 35mm
Weight	178g

Accessories:
9V battery and gift box

Table of Comparison Air Relative Humidity Structural Moisture



LCD Readout - COMPACT B	0.3	0.5	1.4	2.0	2.5	2.7	%
Gypsum+anhydrite based constr.mat./flooring - Wt./CM-%	0.3	0.5	1.4	2.0	2.5	2.7	%
Cement based constr.mat. and flooring in CM-%	1.5	2.1	3.0	3.5	4.0	4.0	CM-%
Cement based constr.mat. and flooring in weight-%	2.7	3.6	4.5	5.5	6.0	6.0	Wt-%

CM% = percentage value by carbide method

128M/128H is the NON-Contact Moisture Meter, It is an electronic dampness indicator with a measuring process working on the principle of high frequency. The instrument is used for non-destructively tracing dampness in building materials of all kinds as well as for detecting damp distribution in walls, ceilings and floors. It is particularly suitable for pre-testing the readiness of building materials for covering prior to CM measurement.

Features

- Quickly indicate the moisture content of materials
- CM % measured function
- Depth of penetration about 20-40mm with alarms.
- Measure and HOLD Function
- MAX/MIN display Function
- Programmable moisture alarms
- Auto Power Off & low battery indication
- White Backlit LCD Display
- Multiple Material Groups (128H)

Specifications

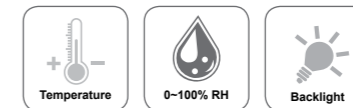
Measuring Range	0.0-100.0 %
Penetration Depth	20-40mm
Resolution	0.1
Battery	Three "AAA" Batteries

Moisture Table of Comparison

Construction material	Display	Moisture status
Gypsum	<30 digits	dry
	30 - 60 digits	at risk
	>60 digits	wet
Cement	<25 digits	dry
	25 - 50 digits	at risk
	50 - 75 digits	wet
	>75 digits	all wet

Size(HxWxD): 242mm x 63mm x 30mm
Weight: 226g

Accessories:
3×"AAA" V battery, gift box with carrying case.



Button on both sides of the rugged housing, easy to use



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Model 128H



DT-126 3 in1 Non-Contact Moisture Meter with Laser Level & AC Voltage Finder

Specifications

Sensor Type	Non-Penetrating
Moisture % of H ₂ O	0 to 60
Max Resolution	0.1
AC Voltage Finder	100V-600V



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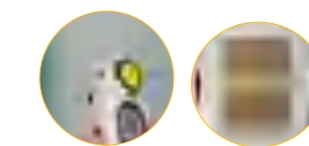
Features

- Quickly indicates the moisture content of materials
- Moisture index display corresponds of % moisture of wood or material being tested
- Pin-Free sensor's measurement depth of 1.25" (32mm) below the surface
- Low battery indication
- MAX/MIN/HOLD Function
- Power Light Indication
- White Backlit LCD display
- Laser leveling
- 180 degree pivoting laser plane with level and plumb vials
- 20 laser line projection onto work surface with 90 degree squaring
- Two self contained hange pins to mount unit to work surface (vertical or horizontal)
- Ergonomically designed for comfort and grip
- Non-contact detection of AC voltage from 100VAC to 600VAC

Laser line & External Level



Non-contact moisture sensor



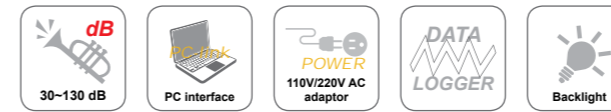
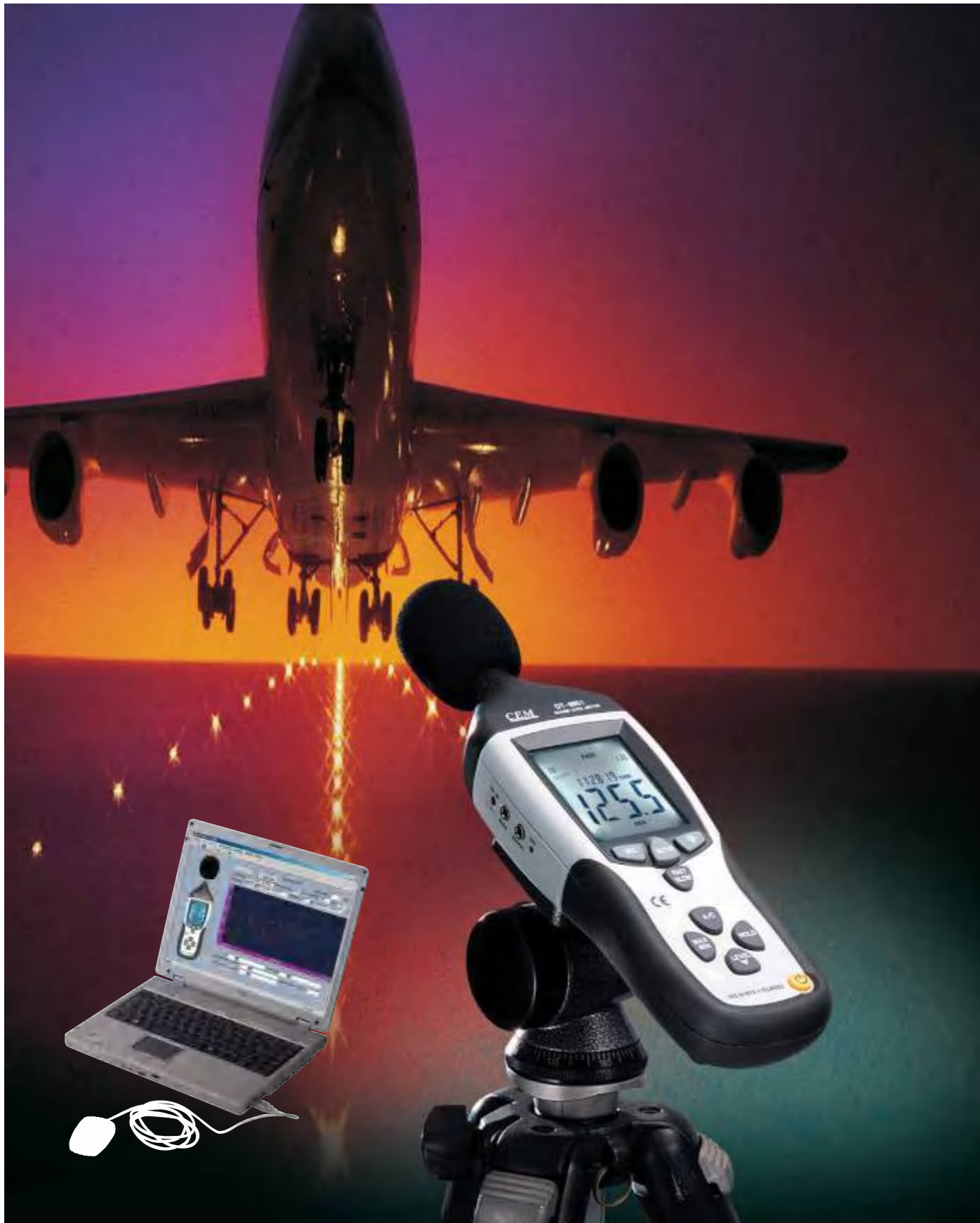
Size(HxWxD): 180mm x 67mm x 38mm
Weight: 180g

Accessories:
9V battery, gift box with carrying case.



Model 126

Sound Level Meters



8851/8852 Sound Level Meters are designed for noise project, quality control, illness prevention & cure and all kinds of environmental sounds measurements. It is applied to the sounds measurement at factory, school, office, traffic access and household etc.

Features

- This unit conforms to the IEC61672-1 class 2 for Sound Level Meters
- MAX & MIN measurements
- Overrange display
- Underrange display
- A & C Weighting
- FAST & SLOW response
- Analog AC/DC outputs for connection to frequency analyzer or X-Y shaft recorder
- Datalogger function (8852)
- Adjustable Alarm-Levels (8852)
- Memory for 32700 readings (8852)

Specifications

Standard applied	IEC61672-1 Type 2, ANSI S1.4 Type2
Accuracy	±1.4dB
Frequency range	31.5HZ ~ 8KHZ
Dynamic range	50dB
Level ranges	LO:30dB~80dB Med:50dB~100dB Hi:80dB~130dB Auto:30dB~130dB
Time weighting	FAST (125mS), SLOW (1s)
Microphone	1/2 inch electret condenser microphone
Resolution	0.1dB
Display Update	2 times/sec
Analog output	AC/DC outputs, AC=1Vrms, DC=10mV/dB



Accessories :

Battery, screwdriver, audio plug, windscreen, software, USB cable, tripod and DC 9V power supply and gift box with carrying case.



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1.4dB Accuracy

Level range: 30~130dB



Time weighting & Frequency weighting, Current reading



Analog AC/DC outputs



Model 8851



Size(HxWxD): 278mm x 76mm x 50mm
Weight: 350g

Features

- 94dB and 114dB Sound Calibration at 1kHz
- Accurate and simple to use
- Fits 1/2" diameter microphone

Specifications

Output Sound Pressure Levels	114dB and 94dB re 20 uPa under reference conditions.
Output Frequency	1000Hz, ±4%
Reference Temperature Conditions	>23°C (73°F)
Atmospheric pressure	>1013 mbar (760mm of Hg)
Relative humidity	>65%RH
Accuracy of Sound Pressure Level	Under stated reference environment conditions ±0.5dB



Model SC-05



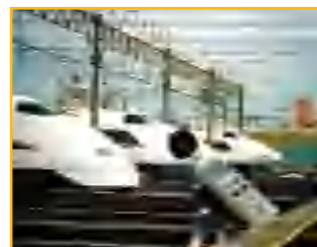
Size(HxWxD): 120mm x 50mm x 42mm
Weight: 278g

Accessories:
9V battery, Carrying case, 1/2" Microphone
Adaptor (optional) and Clamshell.

DT-8850 Sound Level Meter



Model 8850



8850 Sound Level Meter can be used to measure noise in factories, schools, offices, airports and home etc, checking acoustics of studios, auditoriums and Hi-Lo installations. 8850 meets IEC 61672-1 Type 2 standards. The 30 to 130 dB range makes this meter ideal for all general purpose sound level measurements.

1.4dB Accuracy

Features

- Provides 1.4dB accuracy
- Meets IEC61672-1 type 2 standards
- Newly Design Shape
- High Performance
- Max Hold and Data Hold Functions
- Analog AC/DC outputs for connection to an analyzer or recorder
- Built-in calibration check

Specifications

Range	Lo (Low)-Weighting: 35dB~100dB
	Hi (High)-Weighting: 65dB~130dB
Frequency Weighting: A / C	Lo (Low)-Weighting: 35dB~100dB
	Hi (High)-Weighting: 65dB~130dB
Resolution	0.1dB
Accuracy	1.4dB at 94dB sound level, 1kHz sine wave
Measurement rate	1.5 times per second, nominal
Storage temperature	-10°C~60°C (<80%R.H.)
Over range	"OL" mark indication

Size(HxWxD): 251mm x 63.8mm x 40mm
Weight: 250g
Accessories :
9V battery, Carrying case and Gift box.

815 Sound Level Meter is designed for noise project, quality control, illness prevention & cure and all kinds of environment sounds measurements. It is applied to the sounds measurement at factory, school, office, traffic access and household, etc.
This unit conforms to the IEC61672-1 class 2 for Sound Level Meter



Features

- This unit conforms to the IEC61672-1 class 2 for Sound Level Meters
- MAX & MIN measurements
- Over range display
- Under range display
- A & C Weighting
- FAST & SLOW response
- Digit LCD display with a resolution of 0.1dB, bargraph & white backlight
- Readings memories

Specifications

Standard applied	IEC61672-1 Type 2, ANSI S1.4 Type2
Accuracy	±1.4dB
Frequency range	31.5Hz ~ 8KHz
Dynamic range	50dB
Level ranges	LO:30dB~80dB Med:50dB~100dB
	Hi:80dB~130dB Auto:30dB~130dB
Time weighting:	FAST (125mS), SLOW (1s)
Microphone	1/2 inch electret condenser microphone
Resolution	0.1dB
Reading display update	2 times/sec
Bargraph display update	20 times/sec

Size(HxWxD): 210mm x 55mm x 32mm
Weight: 230g

Accessories :
9V battery, Carrying case and Gift box.

DT-805/805L Mini Sound Level Meters

Features

- Provides 1.4dB accuracy (805); Provides 2.0dB accuracy (805L)
- Meets IEC61672-1 Type 2 (805)
- Newly Design Shape
- High Performance
- Max Hold and Data Hold Function

Specifications

Level Range	Low = 30 ~ 100dB
	High = 60 ~ 130dB
Accuracy	±1.4dB (ref 94dB @ 1kHz)
Frequency Range	31.5Hz to 8kHz
Frequency Weighting	A, C
Time Weighting	Fast, Slow
Battery Type	9V Battery NEDA 1604, IEC 6F22, JIS 006P
Operation Temp	0°C~40°C(<80%R.H.)
Storage Temp	-10°C~60°C(<70%R.H.)

Size(HxWxD): 210mm x 55mm x 32mm
Weight: 230g

1.4dB Accuracy (805)

Level range: 30~130dB



Model 815

1.4dB Accuracy (805)

Level range: 30~130dB



Model 805



Model 805L

CMM/CFM Thermo-Anemometer with IR temperature



CFM/CMM Thermo-Anemometer with built-in non-contact IR Thermometer measure remote surface temperature to 500°C (932°F) and 30:1 distance to spot ratio.

Large LCD display



Model 8893



Model 8894

20 points average for Air Flow

Resolution of 0.01m/sec

Size(HxWxD): 203mm x 75mm x 50mm
Weight: 280g

Accessories :
9V battery, USB cable, software,
Anemo probe and Gift box with carrying case.



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Features	
Simultaneous display of Air Flow or Air Velocity plus Ambient Temperature	
Easy to set Area dimensions (cm ²) are stored in the meter's internal memory for the next power on	
Resolution of 0.01m/sec	
20 points average for Air Flow	
Super large (9999 counts) LCD Backlit Display	
3% velocity accuracy via low friction 2.83"D (72mm) ball bearing vane wheel on 3.9ft (120cm) cable	
Complete with vane sensor with 3.9ft (120cm) cable, 9V battery, and protective rubber holster	
MAX/MIN, Data Hold functions	

Specifications				8893	8894
Air Velocity	Range	Accuracy			
m/s(meter per second)	0.40~30.00	±3% ±0.20m/s	*	*	
ft/min(feet per minute)	80~5900	±3% ±40ft/min	*	*	
km/h(kilometers per hour)	1.4~108.0	±3% ±0.8km/h	*	*	
MPH(miles per hour)	0.9~67.0	±3% ±0.4MPH	*	*	
Knots(nautical miles per hour)	0.8~58.0	±3% ±0.4knots	*	*	
Air Temperature	-10~60°C(14~140°F)	± 2.0°C(4.0°F)	*	*	
InfraRed Temperature	-50 to -20°C(-58 to -4°F)	± 5.0°C(9.0°F)		*	
	-20 to 500°C(-4 to 932°F)	±2% reading		*	
Air Flow	Range	Area			
CFM	0~999900	0~999.9 ft ²	*	*	
CMM	0~999900	0~999.9 m ²	*	*	



CFM/CMM Thermo-Anemometer with built-in non-contact IR Thermometer measures remote surface temperature to 260°C (500°F) and 8:1 distance to spot ratio.

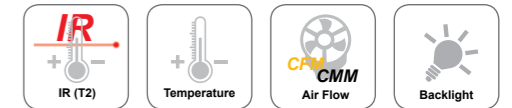
- Multifunction Air Velocity Meter with wide temperature range (618/618B)
- CFM/CMM Thermo-Anemometer (619)
- CFM/CMM Thermo-Anemometer + InfraRed Thermometer (620)
- Max/Min/Avg value with relative time stamp (619/620)
- Low battery indication and Auto Power Off
- Display Air Flow (CFM/CMM), or Air Velocity plus Temperature simultaneously (619/620)



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EN: 61326

Resolution of 0.01m/sec
20 points average for Air Flow

Thermo-Anemometer with built-in non-contact IR Thermometer



Model 620



DT-618/618B Thermo-Anemometer

Large LCD display

Features	
Simultaneous display of Air Flow or Air Velocity plus Ambient Temperature(619/620)	
Easy to set Area dimensions (cm ²) are stored in the meter's internal memory for the next power on(619/620)	
Resolution of 0.01m/sec (619/620)	
20 points average for Air Flow (619/620)	
Super large LCD Backlit Display(618/619/620)	
3% velocity accuracy via low friction 2.83"D (72mm) ball bearing vane wheel on 3.9ft (120cm) cable(619/620)	
Type K sensor for temperature measurements (618/618B)	
High Sensitive and Accurate	

Specifications						618	618B	619	620
Air Velocity	Range	Accuracy							
m/s(meter per second)	0.40~30.00	±3% ±0.20m/s	*	*	*	*	*	*	*
ft/min(feet per minute)	80~5900	±3% ±40ft/min		*	*	*	*	*	*
km/h(kilometers per hour)	1.4~108.0	±3% ±0.8km/h	*	*	*	*	*	*	*
MPH(miles per hour)	0.9~67.0	±3% ±0.4MPH			*	*	*	*	*
Knots(nautical miles per hour)	0.8~58.0	±3% ±0.4knots	*	*	*	*	*	*	*
Air Temperature	-10~60°C(14~140°F)	± 2.0°C(4.0°F)	*	*	*	*	*	*	*
InfraRed Temperature	-50 to -20°C(-58 to -4°F)	± 5.0°C(9.0°F)						*	*
	-20 to 260°C(-4 to 500°F)	±2% reading or ± 2°C(4°F)						*	*
Air Flow	Range	Area							
CFM	0~999900	0~999.9 ft ²						*	*
CMM	0~999900	0~999.9 m ²						*	*

Meter Size(HxWxD): 150mm x 72mm x 35mm
Weight: 210g (618/618B)

Accessories :
9V battery and Anemo probe, Gift box with carrying case.



DT-619 CFM/CMM Thermo-Anemometer

CFM/CMM Thermo-Anemometer





CFM/CMM Thermo-Anemometer remote sensor is the most popular model for HVAC applications.



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High Quality Sensor



Model 3893



Features

- Display Air Flow (CFM/CMM), or Air Velocity plus Temperature & Max/Min/Avg value
- Easy to set Area dimensions (cm²) stored in the meter's internal memory for the next power on
- Resolution of 0.01m/sec
- 20 points average for Air Flow
- Super large LCD Backlit Display
- 3% velocity accuracy via low friction 2.83"D (72mm) ball bearing vane wheel on 3.9ft (120cm) cable
- Low battery indication and Auto Power Off

Specifications

Air Velocity	Range	Accuracy
m/s(meter per second)	0.40~30.00	±3% ±0.20m/s
ft/min(feet per minute)	80~5900	±3% ±40ft/min
km/h(kilometers per hour)	1.4~108.0	±3% ±0.8km/h
MPH(miles per hour)	0.9~67.0	±3% ±0.4MPH
Knots(nautical miles per hour)	0.8~58.0	±3% ±0.4knots
Air Temperature	-10~60°C(14~140°F)	± 2.0°C(±4.0°F)
Air Flow	Range	Area
CFM	0~999900	0~999.9 ft ²
CMM	0~999900	0~999.9 m ²

Size(HxWxD): 160mm x 62mm x 21mm

Weight: 200g

Accessories :

9V battery and Anemo probe, Gift box with carrying case.

DT-317/317B/318/318B Flexible Thermo-Anemometers

Features

- 16" inch Gooseneck detector is easy to measure the hard-to-reach areas.
- High Sensitive and Accurate
- Easy-to-use design
- Double LCD digital display
- Low power consumption
- Data Hold and MAX Hold function
- Low battery indication

Specifications

Air Velocity	Range	Resolution	Accuracy
m/s(meter per second)	1.0~30.00	0.01	±3% ±0.20m/s
ft/min(feet per minute)	196~5900	1	±3% ±40ft/min
km/h(kilometers per hour)	3.6~108.0	0.1	±3% ±0.8km/h
MPH(miles per hour)	2.2~67.0	0.1	±3% ±0.4MPH
Knots(nautical miles per hour)	1.9~58.0	0.1	±3% ±0.4knots
Air Temperature	-10~60°C(14~140°F)	0.1°C/°F	± 2.0°C(4.0°F)
Air Flow	Range	Resolution	Area
CFM (317B/318B)	0~999900	0.1	0~999.9 ft ²

Size(HxWxD): 163mm x 45mm x 34mm **Weight:** 210g

Accessories : 9V battery and Anemo probe, Gift box with carrying case.

16" inch Gooseneck detector



Model 317

Model 318



High Quality Sensor

3880/8880/8880A/8880B Hot Wire Anemometer makes a step forward for you into the field of precision measurement. Telescoping probe is ideal for measuring in HVAC ducts and other small vents; extends up to 4925ft/min. 8880A with datalogger. 8880B with temperature humidity, datalogger, recharge battery, firmware update.

Specifications

Air Velocity	Range	Resolution	Accuracy	3880	8880	8880A	8880B
m/s (meter per second)	0.1~25.0m/s	0.01m/s	±5% ±0.1m/s	*	*	*	*
km/h(kilometers per hour)	0.3~90.0km/h	0.1km/h	±5% ±0.1km/h	*	*	*	*
ft/min(feet per minute)	20~4925ft/min	ft/min	±5% ±1ft/min	*	*	*	*
MPH(miles per hour)	0.2~55.8MPH	MPH	±5% ±0.1MPH	*	*	*	*
Knots(nautical miles per hour)	0.2~48.5knots	0.1knots	±5% ±0.1knots	*	*	*	*
Air Temperature Range	0°C to 50°C (32°F to 122°F)	0.1°C/0.1°F	1°C/1.8°F	*	*	*	*
Humidity	0 to 100 %RH	0.1	±3.5%RH				*

Features

- Thermal anemometer, available for very low air velocity measurement.
- Slim probe, ideal for grilles & diffusers.
- Combination of hot wire and standard thermistor, deliver rapid and precise measurements
- Records maximum/minimum readings with recall & data hold function.
- Microprocessor circuit assures maximum possible accuracy, provides special functions and features.
- Super large LCD display with backlight, reading the air velocity & temp. at the same time.
- The portable anemometer provides fast, accurate readings, with digital readability
- Multi-functions for air flow measurement: m/s, km/h, ft/min, MPH, Knots & build in temperature °C / °F
- Thermistor sensor for Temperature measurement, fast response time.
- Applications: Environmental testing, Air conveyors, Flow hoods, Clean rooms, Air velocity, Air balancing, Fans/motors/blowers, Furnace velocity, Refrigerated case and Paint spray booths.

Size(HxWxD): 198mm x 78mm x 51mm (8880), 160mm x 62mm x 21mm (3880)

Weight: 323g (8880/8880A), 200g (3880)

Accessories : 9V battery and Anemo probe, Gift box with carrying case.

3.7V Li-battery (3880), 7.4V Li-battery(8880B). power adaptor.



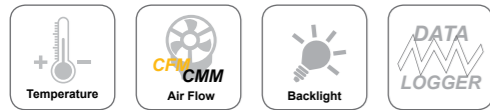
Model 8880



EMC
EN: 61326



Model 8880



Made for iPod iPhone iPad

1880 Hot Wire Anemometer makes a step forward for you into the field of precision measurement. Telescoping probe is ideal for measuring in HVAC ducts and other small vents; extends up to 20m/s.

Features	
Smart phone APP	
Single-point and continuous data log options	
Velocity alarm	
A bluetooth telescopic probe	
LED backlight	
Auto power off	
Low-battery indication	
Data hold	
Probe sensor cover	
Bluetooth communication	

Specifications			
Air Velocity	Range	Resolution	Accuracy
m/s(meter per second)	0.1~20m/s	0.01m/s	±5%+0.03 m/s
ft/min(feet per minute)	20~3937ft/min	1ft/min	±5%+6ft/min
km/h(kilometers per hour)	0.3~72km/h	0.1km/h	±5%+0.1 km/h
MPH(miles per hour)	0.2~44.7MPH	0.1MPH	±5%+0.1 MPH
Air Temperature	-20~60°C (-4~140°F)	0.1°C/0.1°F	0.5°C(0~45°C), 1.0°C (rest of range) 1.0°F (32~113°F), 2.0°F (rest of range)
Relative Humidity	0~100%RH	0.1%RH	±3.5%RH

Size(HxWxD): 165mm x 60mm x 40mm

Weight: 320g

Accessories : 3.7V Lithium battery, Gift box with carrying case.



Model 1880

CE
EMC
EN: 61326

High Quality Sensor

Bluetooth



CE
EMC
EN: 61326

3890A is an absolute pressure measuring instrument. It is normally used to measure absolute pressure, e.g. for pressure compensation in velocity measurement in ducts, laboratories and production processes. Further measurement parameters are barometric (surface) pressure (= pressure at sea level) and altitude above sea level.

3890/3890B are Differential Pressure Manometers with large LCD display.

Features	
Large Dual LCD with backlight	
Data Hold	
Max / Min / Avg value with relative time stamp	
USB interface	
Zero Adjust, Offset and DIF function (3890/3890B)	
Low battery indication and Auto Power Off	

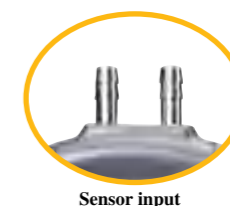
Specifications						
	3890 (Differential)		3890A(absolute)		3890B (Differential)	
Accuracy	±0.3%FSO		±2hpa		±0.3%FSO	
Repeatability	±0.2% (Max.+/-0.5% FSO)				±0.2% (Max.+/-0.5% FSO)	
Linearity/Hysteresis	±0.29% FSO				±0.29% FSO	
Pressure Range	±2PSI(±55.40inH2O)		300~1200hpa		±5PSI(±138.3inH2O)	
	inH2O	0.01	psi	0.001	inH2O	0.1
	PSI	0.001	hPa	0.1	PSI	0.001
	mbar	0.1	Pa	1	mbar	0.1
	kPa	0.01	mbar	0.1	kPa	0.01
	inHg	0.001	mmHg	0.1	inHg	0.001
Units and Resolution	mmHg	0.1	inHg	0.001	mmHg	0.1
	ozin2	0.01	mmH2O	1	ozin2	0.01
	ftH2O	0.001	inH2O	0.01	ftH2O	0.01
	cmH2O	0.1			cmH2O	0.1
	kgcm2	0.001			kgcm2	0.001
	bar	0.001			bar	0.001

High resolution & Accuracy

Small range manometer



Model 3890



Sensor input



USB Interface

Size(HxWxD): 184mm x 60mm x 30mm

Weight: 280g

Accessories : 3xAAA batteries, USB cable, gift box with carrying case.



Model 3890A



High resolution & Accuracy

Small range manometer



Sensor input



USB Interface

Model 8890D



Model 8890

Specifications		8890	8890A	8890B	8890C	8890D	8890E	8890F	8890G							
Accuracy		±0.3%FSO														
Repeatability		±0.2% (Max.+/-0.5% FSO)														
Linearity/Hysteresis		±0.29% FSO														
Pressure Range	±5PSI	±2PSI		±0.5PSI		±20PSI		±29PSI/								
	(±138.3 inH ₂ O)	(±55.40 inH ₂ O)		(±13.83 inH ₂ O)		(±554.0 inH ₂ O)		(±2bar)								
Units and Resolution	inH ₂ O	0.1	inH ₂ O	0.01	inH ₂ O	0.001	inH ₂ O	0.01	psi	0.01	psi	0.1	psi	0.1	psi	0.1
	PSI	0.001	PSI	0.001			PSI	0.001	bar	0.001	bar	0.001	bar	0.01	bar	0.01
	mbar	0.1	mbar	0.1	mbar	0.001	mbar	0.01	kPa	0.1	kPa	0.1	kPa	0.1	kPa	0.1
	kPa	0.01	kPa	0.01	Pa	0.1	kPa	0.001	inHg	0.01	inHg	0.1	inHg	0.1	inHg	0.1
	inHg	0.001	inHg	0.001	inHg	0.0001	inHg	0.001	mHg	0.001	mHg	0.001	mHg	0.001	mHg	0.001
	mmHg	0.1	mmHg	0.1	mmHg	0.001	mmHg	0.01	inH ₂ O	0.1	inH ₂ O	1	inH ₂ O	1	inH ₂ O	1
	ozin ²	0.01	ozin ²	0.01			ozin ²	0.01	ftH ₂ O	0.01	ftH ₂ O	0.1	ftH ₂ O	0.1	ftH ₂ O	0.1
	ftH ₂ O	0.01	ftH ₂ O	0.001			ftH ₂ O	0.001	mH ₂ O	0.01	mH ₂ O	0.01	mH ₂ O	0.01	mH ₂ O	0.1
	cmH ₂ O	0.1	cmH ₂ O	0.1	cmH ₂ O	0.001	cmH ₂ O	0.01	mbar	1	mbar	1	mbar	1	mbar	1
	kgcm	0.001	kgcm	0.001			kgcm	0.001								
	bar	0.001	bar	0.001			bar	0.001								

Size(HxWxD): 210mm x 75mm x 50mm
Weight: 280g
Accessories : 9V battery, USB cable, 9V power supply, Software, soft tube and gift box with carrying case.



- Features**
- Large Dual LCD with backlight
 - Data Hold
 - Max / Min / Avg value with relative time stamp
 - Optional USB software
 - Zero Adjust, Offset and DIF function
 - Low battery indication and Auto Power Off



Model 15

DT-15 Compact Digital Pressure Temperature Chart

15 is a compact digital pressure temperature chart. This pocket sized device offers fast and accurate temperature references on a large and easy-to-read LCD display. The automatic power down feature shuts the unit off five minutes after the last command to ensure extended battery life.

Size(HxWxD): 114mm x 50mm x 23mm
Weight: 60g
Accessories : CR2032 button battery and clamshell.



8897/8897H measures Gauge/Differential Pressure, Air Velocity, Air Flow and temperature.

- Hot wire anemometer(8897H).
- Large LCD display with backlight.
- Relative time clock on MAX MIN and AVG provides a time reference for measurement.
- Pressure measurement provides Zero Adjust and DIF function.
- Display Pressure, Air Velocity or Air Flow plus Temperature simultaneously.
- Easy to set Area dimension (up to 8 point).
- USB interface, USB to UART Bridge Controller.
- Low battery indication, and Auto Power Off mode (Sleep mode) increases battery life.

CE
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Manometer Specifications (8897/8897H)

Accuracy	±0.3%FSO	
Repeatability	±0.2% (Max.+/-0.5% FSO)	
Linearity/Hysteresis	±0.29% FSO	
Pressure Range	±2psi (±55.40 inH ₂ O)	
	Units	Range/Resolution
Units and Resolution	psi	2.000/0.001
	mbar	137.8/0.1
	kPa	13.78/0.01
	inHg	4.072/0.001
	mmHg	103.4/0.1

2 in 1

Differential Pressure Manometer & Anemometer

Flow meter Specifications

Air Velocity	Range	Resolution	Basic Accuracy	8897	8897H
m/s(meter per second)	0.40~30.00	0.01	±3% ±0.20m/s	*	*
	0.1~25.0	0.01	±5% ±1m/s		*
ft/min(feet per minute)	80~5900	1	±3% ±40ft/min	*	*
	20~4925	1	±5% ±1ft/min		*
km/h(kilometers per hour)	1.4~108.0	0.1	±3% ±0.8km/h	*	*
	0.3~90.0	0.1	±5% ±1km/h		*
MPH(miles per hour)	0.9~67.0	0.1	±3% ±0.4MPH	*	*
	0.2~55.8	0.1	±5% ±1MPH		*
Knots(nautical miles per hour)	0.8~58.0	0.1	±3% ±0.4knots	*	*
	0.2~48.5	0.1	±5% ±1knots		*
Temperature °C	0 to 50.0°C	0.1	±1.0°C	*	*
Temperature °F	32.0 to 120.0°F	0.1	±2.0°F	*	*
Air Flow	Range	Resolution	Area	*	*
CFM (CFM=ft ³ /min)	0-999,900ft ³ /min	0.001~100	0-999.9 ft ²	*	*
CMM (CMM=m ³ /min)	0-999,900m ³ /min	0.001~100	0-999.9 m ²	*	*

Size(HxWxD): 210mm x 75mm x 50mm
Weight: 280g

Accessories : 9V battery, USB cable, software, Anemo probe, Soft tube and gift box with carrying case



Model 8897H



Model 8897

8920 is a Pressure and flow meter simultaneously with an easy-to-read, large, backlit LCD display. Measurement data is printed on site with minimum and maximum values. It can Monitor air pressure across key HVAC components and Promote good indoor air quality, which Ensure proper air flow balance and Maintain a comfortable environment.



Model 8920

EMC
EN: 61326

Features

- Larger LCD display with backlight.
- Relative time clock on MAX MIN and AVG provides a time reference for measurement.
- Pressure, velocity or air flow measurement provides Zero Adjust.
- Display pressure, Air velocity or air flow plus environment temperature simultaneously.
- Easy to calculate the area of a rectangular or circular duct.
- USB interface, USB to UART Bridge Controller.

Specifications

Manometer			
Accuracy	±0.3%FSO (25°C)		
Repeatability	±0.2% (Max.±0.5% FSO)		
Linearity/Hysteresis	±0.29% FSO		
Pressure Range	±5000Pa		
Maximum Pressure	10psi		
Response Time	0.5 Seconds typical		
Over range Indicator	OL		
Under range Indicator	-OL		
Measurement	Units	Range	Resolution
	PSI	0.7252	0.0001
	mbar	50.00	0.01
	inH ₂ O	20.07	0.01
	mmH ₂ O	509.8	0.1
Pa	5000	1Pa (0.1Pa only 8920B)	
Air Velocity			
	Range	Resolution	Accuracy
m/s(meter per second)	1-80.000	0.001	±2.5% of reading at 10.00m/s
ft/min(feet per minute)	200-15733	1	
km/h(kilometers per hour)	3.5-288.0	0.1	
MPH(miles per hour)	2.25-178.66	0.01	
Knots(nautical miles per hour)	2.0-154.6	0.1	
Accuracy is function of velocity and duct size			
Air Flow			
	Range	Resolution	
CFM	0-99999ft ³ /min	0.0001 to 100	
CMM	0-99999m ³ /min	0.001 to 100	
Temperature			
	Range	Resolution	Accuracy
°C	0 to 50.0°C	0.1	±1.0°C
°F	32.0 to 122.0°F	0.1	±2.0°F

Size(HxWxD): 212mm x 78mm x 51mm

Weight: 338g

Accessories :

9V battery, USB cable, software, pitot tube, AC adaptor, Gift box with carrying case.



HVAC Superheat and Subcooling Analyzer can be used for various refrigerants, automatically calculating superheating/subcooling and can be connected to your smartphone/tablet via App. You can also monitor the analyzer via your smartphone/tablet and to store the measurement results or send them by e-mail as a complete report(8922).

Measures suction line or liquid line pressure and line temperature to calculate and display superheat and subcooling for A/C.

- R-22 or R-410A
- Digital LCD display in °F/°C
- Digital LCD displays pressure in PSI/kPa

Features

- Quick, accurate measurement of high and low pressure with two temperature-compensated pressure sensors; automatic measurements of the evaporation and condensation temperature
- Two temperature inputs for attaching temperature pipe clamp probes providing the simultaneous calculation of superheating and subcooling: this means you can do away with any error-prone manual calculations and get a reliable result straight away
- Including 2 hoses (red, yellow), suitable for all common refrigerants
- Two pipe clamp temperature probes included in the scope of delivery: when clamped directly onto the pipes, these enable reliable measurement of the pipe temperature
- Various refrigerants stored in the instrument: just one instrument covers all the most important refrigerants.
- Bluetooth interface(8922)
- 3.5" TFT color LCD display(8922)

Specifications

Temperature	Range (temperature): -40°C to 204°C/-40°F to 400°F; Resolutions: 0.1°; Sensor type: Dual k-type thermocouple input; Accuracy: ±1°C/±1.8°F;
Pressure and vacuum	Working range (pressure): 0 to 500 psi; 0 to 4000 kPa Resolutions: 0.1psi or kPa, 0.1"Hg or cmHg vac. Accuracy: ±1 psi/±6.9 kPa; Sensor breakdown pressure: 800psi (5500 kPa)
Superheat:	Range (temperature): 0°F to 80°F; 0°C to 27°C Resolutions: 0.1°; Accuracy: ±1°C/±1.8°F;
Subcooling:	Range (temperature): 0°F to 80°F; 0°C to 27°C Resolutions: 0.1°; Accuracy: ±1°C/±1.8°F;

Size(HxWxD): 212mm x 78mm x 51mm

Weight: 338g

Accessories : Li battery, K-type thermocouple, Gift box .



Model 8921

EMC
EN: 61326

Model 8922

AT-8/AT-10 Contact/Non-contact Digital Tachometers

Contact/Laser Photo

AT-8/AT-10 Digital Tachometer provides fast and accurate contact and Non-contact RPM and surface speed measurements of rotating objects.

- Wide measurement range and high resolution
- 40 readings memories
- Built-in laser pointer
- 5 digits LCD display



EMC
EN: 61326

Specifications

	AT-8	AT-10
Contact test range	2 to 20,000 RPM	2 to 20,000 RPM
Non-contact test range	2 to 99,999 RPM	2 to 200,000 RPM
Tot test range	1 to 99,999 RPM	1 to 200,000 RPM
Accuracy	±(0.05% + 1digit)	±(0.05% + 1digit)
Resolution	0.1RPM(2 to 9999.9 RPM) 1RPM(over 10000 RPM)	0.001RPM to 1RPM
Sampling time	0.5 sec.(over 120 RPM)	0.5 sec.(over 120 RPM)
Detecting distance	50 mm to 500 mm	50 mm to 2500 mm
Time base	Quartz crystal	Quartz crystal
Power consumption	Approx. 45mA	Approx. 45mA
Battery	9V	9V

Size(HxWxD): 160mm x 60mm x 42mm
Weight: 160g

Accessories:
9V battery and Gift box with carrying case.



Model AT-10



Model AT-8



AT-6 Digital Tachometer

AT-6 Digital Tachometer provides fast and accurate Non-contact RPM and TOT measurements of rotating objects. Using reflective tape on object to be measured and pointing with the laser.

Non-Contact

Features

Display	Large 5 digit LCD display
Accuracy	±0.05%±1d
RPM Range	2 to 99,999
Max RPM Resolution	0.1RPM
TOT Range	0-99,999
Memory	Built-in memory recalls Max/Min/Last

Size(HxWxD): 160mm x 60mm x 42mm
Weight: 151g

Accessories:
9V battery and Gift box with carrying case.



Model AT-6



EMC
EN: 61326



Fast and accurate RPM and surface speed measurements. 6234B Digital Tachometer provides fast and accurate Non-contact RPM and surface speed measurements of rotating objects. Using reflective tape on object to be measured and pointing the integral light beam or laser. 6236B contact Tachometer combines both contact and non-contact models for use in all applications.

- Large 5 digits LCD display is easy to read.
- Autoranging with 0.05% accuracy
- Built-in memory recalls last Max/Min value stored

Features

	6234B	6236B
Large 5 digits LCD display	*	*
Autoranging with 0.05% accuracy	*	*
Built-in memory recalls last Max/Min value stored	*	*
Non-contact measurement	*	*
Contact measurement		*

Specifications

	6234B	6236B
Display Counts	99,999 counts LCD	99,999 counts LCD
Range RPM	2.5 to 99,999	5 to 99,999
M/min		0.05 to 1999.9
Basic Accuracy	±0.05%±1d	±0.05%±1d
Max RPM Resolution	0.1RPM	0.1RPM

Size(HxWxD): 160mm x 72mm x 37mm
Weight: 200g

Accessories:
6236B: Cone, RPM sensor tip, Surface speed wheel, Four 1.5V "AA" batteries, Gift box with carrying case.
6234B: Reflective tape, Four 1.5V "AA" batteries, Gift box with carrying case.

Non-Contact



EMC
EN: 61326



Model 6234B

Contact/Laser Photo



Model 6236B

AT-86F/AT-86V High Accuracy Tachometer Adaptors

High accuracy tachometer adaptors are compatible with any Test Tool, Power Harmonics Analyzer, Oscilloscope, Multimeter, or other voltage measurement device.

- AT-86F Output signal is pulse frequency output signal;
- AT-86V Output signal is analog voltage signal.

Specifications

Measurement range	6 to 120,000RPM
Accuracy	±0.5%
Detection distance	50 to 500mm
Consumption	Approx. 15mA

Size(HxWxD): 166mm x 50mm x 40mm
Weight: 189g

Accessories:
9V battery and clamshell.



Light Meter with PC Interface

LUX FC
Light (LUX/FC)

Backlight

PC interface

3808 light meter provide accurate display light level in terms of Foot Candles (FC) or LUX over wide range. Just turning the Function Switch to select the "lux" scale and setting the range to desired range, then removing the photo detector to light source in a horizontal position and reading the illuminance normal from the LCD display. When the measurement is completed, replace the photo detector from the light source.

CE
EMC
EN: 61326

Features

- 4000 Counts LCD dual display with timer function
- Auto Ranging
- Max./Min. and Data Hold
- Auto Power Off
- Low battery indication
- User selectable FC/Lux
- USB interface
- Capacity for data logging (99 readings)
- Total accuracy: for C.I.E standard illuminate A(2856K)

Specifications

Max Range	400,000Lux
Accuracy	±5%±10d(<10,000Lux) ±10%±10d(>10,000Lux)
Max Resolution	0.1Lux/0.01Fc
Measuring rate	1.5 times/second
Photo Detector	115mm x 60mm x 27mm

Size(HxWxD): 160mm x 58mm x 27mm **Accessories :**
Weight: 280g 9V battery, Photo Detector and USB cable, software, Carrying case and Gift box.

LED Light Meter

LUX FC
Light (LUX/FC)

Backlight

PC interface

Measures light from visible luminaries equipped with white light LED, fluorescent, metal halide, high-pressure sodium and incandescent sources

Model 3809

UV-1302 UV Light Meter

UV-1302 is midrange and long wave UV measurement

- Measures UV spectrum from 290 to 390nm
- Includes sensor probe
- LCD display range: 1.999 to 19,990 μW/cm²
- Accurate to ±4% of full scale

Accessories :
One 12V (A23) battery and One Photo Detector.

CE
EMC
EN: 61326

Features

According to JISC1609:1993 and CNS 5119 general A class specifications. Spectral response close to CIE luminous spectral efficiency. Measuring intensities of illumination in unit of Lux or Foot-candle. Measuring lights source include all visible range. 99 records storage. Cosine angular corrected. Length of wire for light sensor: approximately 1.5M.

Specifications

Light Source Selecting	Tungsten/Daylight, Fluorescent, 0-9 select rating
Measuring range	40, 400, 4,000, 40,000, 400,000 Lux, 40, 400, 4,000, 40,000, Foot-candle
Accuracy	+/-3% (Calibrated to standard incandescent lamp 2856°K and corrected LED day while-light spectrum) . +/-6% other visible light source.

Size(HxWxD): 160mm x 58mm x 27mm **Accessories :**
Weight: 280g 9V battery, Gift box.



- Over-range indication
- Long life silicon photo diode inside
- Measurement rate: 1.5 times per second
- Widest range to 40,000Fc/400,000lux

Features	8808	8809A
LCD display counts	4000	4000
Auto Ranging	*	*
Analog bargraph/segments	41-segments	41-segments
Peak Hold	*	*
Relative mode	*	*
Max and Data Hold	*	*
Auto Power Off	*	*
Low battery indication	*	*
User selectable FC/Lux	*	*
Output		USB
Capacity for data logging 99		*
Total accuracy: for C.I.E standard illuminate A(2856K)		

Specifications	8808	8809A
Max Range	400,000Lux	400,000Lux
Accuracy	±5%±10d(<10,000Lux) ±10%±10d(>10,000Lux)	±3% rdg ±5% f.s.(<10,000Lux) ±4%rdg ±10d(>10,000Lux)
Max Resolution	0.1Lux/0.01Fc	
Measuring rate	1.5 times/second	
Photo Detector	115mm x 60mm x 27mm	

Size(HxWxD): 203mm x 75mm x 50mm
Weight: 280g
Accessories :
 9V battery, Photo Detector and USB cable(8809A), software(8809A), Carrying case and Gift box.

Widest range to 40,000Fc/ 400,000 Lux

8808/8809A light meters provide accurate display light level in terms of Foot Candles (FC) or LUX over wide range. Just turning the Function Switch to select the "lux" scale and setting the range to desired range, then removing the photo detector to light source in a horizontal position and reading the illuminance normal from the LCD display. When the measurement is completed, replace the photo detector from the light source.



1300/1301/1308 are easy to use with pocket size and light weight, providing accurate display light level in terms of Foot Candles (FC) or LUX over wide range. Just turning the Function Switch to select the "lux" scale and setting the range to desired range, then removing the photo detector to light source in a horizontal position and reading the illuminance normal from the LCD display. When the measurement is completed, replace the photo detector from the light source.

- Over-range indication
- Long life silicon photo diode inside
- Measurement rate: 1.5 times per second

Widest range to 40,000Fc/ 400,000 Lux

Features	1300	1301	1308/1309
LCD display counts	2000	2000	4000
Auto Ranging			*
Analog bargraph/segments			41-segments
Peak Hold	*	*	*
Relative mode			*
Max and Data Hold		*	*
Auto Power Off		*	*
Low battery indication	*	*	*
User selectable FC/Lux		*	*
USB interface			-/*
Total accuracy: for C.I.E standard illuminate A(2856K)			

Specifications	
Max Range	50,000lux/Fc(1300,1301); 400,000Lux(1308)
Accuracy	±5%±10d(<10,000Lux) ±10%±10d(>10,000Lux)
Max Resolution	0.1lux/Fc
Measuring rate	1.5 times/second
Photo Detector	115mm x 60mm x 27mm



Model 1308



CE
EMC
EN: 61326



Model 1301

DT-1307 Solar Power Meter



Size(HxWxD): 162mm x 63mm x 28mm
Weight: 176g

Features
Sunlight measurement up to 1999w/m ² or 634BTU/(ft ² *h)
High accuracy and rapid response
Data Hold function to hold measurement values
Unit and sign display for easy reading
Measuring unit selection among w/m ² and BTU/(ft ² *h)
Manual scale selection
Direct reading with no adjustments needed
Maximum and minimum values
Low battery indication

Specifications	
Display	3-1/2 digits LCD with maximum reading 1999.
Range	1999W/m ² ,634BTU/(ft ² *h)
Resolution	1W/m ² ;1BTU/(ft ² *h).
Accuracy	typically within ±10W/m ² [±3BTU/(ft ² *h)]or ±5%
Sampling time	Approx 0.25 second.

Accessories :
 One 12V (A23) battery and One Photo Detector.(1300,1301)
 One 9V battery and One Photo Detector.(1307/1308/1309)
 Carrying case and Gift box.



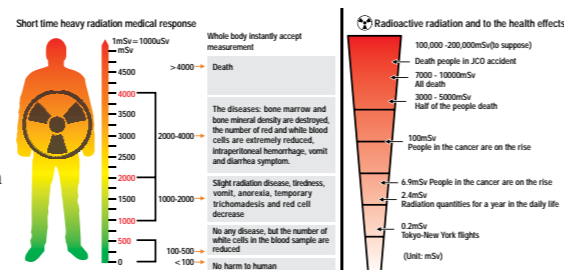
EMC
EN: 61326



Model 9501

9501 radiation scanner is a tested precision instrument, reliably measures not only γ rays, but α , β and X rays as well. It allows multifunctions such as dose accumulating, maximum recording, hand-operated store, data transfer to PC in real-time, data analysis etc. Low power consumption ensures that the testing data will be not lost for several years.

- Large LCD display
- High precision
- Internal memory
- Data evaluation by PC
- Low power consumption
- Bluetooth interface
- Date reset



Specifications	
Ray types	α , β , γ and X rays
	Radiation dose rate: 0.01 μ Sv/h - 1000 μ Sv/h
	Impulse dose rate: 0-30,000cpm, 0-5,000cps
Range	Radiation dose accumulation: 0.001 μ Sv - 9999Sv
	Impulse dose accumulation: 0-9999
	108pcs impulse or 1000 cpm/mR/hr in Cobalt-60 radial environment with power of 1 μ Sv/h.
Sensitivity	Alpha ray: from 4 MeV
	Beta ray: from 0.2 MeV
	Gamma ray: from 0.02 MeV
	X ray: from 0.02 MeV
Ray selection switch	α , β , γ and X rays selection
Sensor	Halogen filled detector
Output port	Bluetooth
Display	Dual LCD display, numeric with all inspection data, with bar chart.
Alert	Can set alert value free, default set: 5 μ Sv/hr
Accuracy	Typical 15%
Storage	Can store 2000 data automatically or by manually
Detector working temperature	0°C to 50°C

Size(HxWxD): 200mm x 70mm x 45mm **Accessories :** Software, Carrying case and Gift box.
Weight: 206g



9501 is with bluetooth function for data transferring, analysis, editing, storage and sharing



The top of 9501 can be rotated and easily used for α , β , γ and X rays selection

DT-2G Microwave Leakage Detector/DT-3G Magnetic Field Meter

The 2G is a high sensitive product to detect the microwave accurately, even at a low volume the injury of the radiation of microwave.

The 3G is capable of measuring the electromagnetic field radiation intensity that is produced from electric transmission equipment, power line, electric oven, air conditioner, refrigerator, computer monitor, video/audio device and so forth.

- Digital LCD display with white backlit
- Leakage volume in dangerous zone will sound beeping and a red lamp flashing(2G)
- Low leakage volume display for warning
- Max. hold function

Specifications	2G	3G
Range	0- 9.99 mW/ cm ²	200/2000mG, 20/200 μ T
Warning values	5.0mW/cm ²	Frequency response: 30Hz-300Hz
Sample rate	2 times per second	2 times per second

Size(HxWxD): 160mm x 60mm x 42mm
Weight: 151g

Accessories: 9V battery and Gift box with carrying case.



Model 2G

Model 3G

968C can accurately detect for the detection of pollution from automobile exhausts and for agricultural/industrial odors. The meter can detect the concentration of CO, NO2 and NH3 in the odor. The device has a data recording function, which can be automatically set according to the sampling time and interval set by the user. Record measurement data and generate a readable file. Users can view data directly from the device or export the data to a computer via USB. Built-in high-capacity lithium battery ensures long-term measurement, sleep function and auto power off function.

Features	
	Powerful MEMS Sensor, high accuracy and reliability
	2.4" TFT color display
	Real-time display the concentration of odors
	Measuring three types of pollution concentrations
	Audio and Light alarm when pollution
	Auto power off
	Smart upload to the Cloud, access to large data
	Open and close control Purifier
	Wireless interface

Specifications			
Function	Range	Resolution	Repeatability accuracy
CO	0 ~ 1000ppm	1ppm	±2%
NO2	0.05 ~ 10ppm	0.01ppm	±2%
NH3	1 ~ 500ppm	1ppm	±2%

Size(HxWxD): 160mm x 85mm x 73mm
Weight: 360g
Accessories : NiMH battery, gift box with carrying case.



EMC
EN: 61326



Model 968C



DT-900A 2 in1 HCHO & TVOC Meter

The HCHO Tester provides a real time measurement of HCHO and TVOC tech product to meet with a variety of occasions air pollution measurement needs, timely responds air pollution. This instrument has a high accuracy, fast response, sensitivity. It is compact, easy to carry, suitable and home, offices, factories, hotels and schools and other indoor environments. It can be displayed at any formaldehyde in the air and the concentration of TVOC, and calculate the value of API(Air Pollution Index).

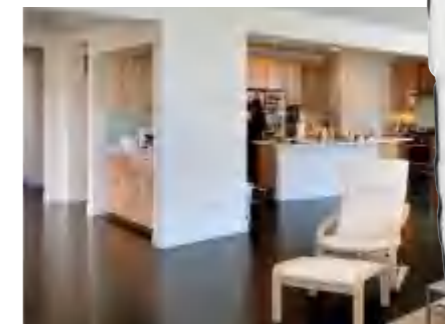
Features	
	Fuel Cell.HCHO sensor, high accuracy and reliability
	LCD display with backlight
	Real-time display the concentration of HCHO in the air
	Real-time display the concentration of TVOC in the air
	Real-time display the API
	Sound and Light alarm when pollution
	Auto power off

Specifications	
HCHO	
Range	0.00 to 5.00mg/m ³
Resolution	0.01mg/m ³
Repeatability accuracy	±2%
TVOC	
Range	0.00 to 9.99mg/m ³
Resolution	0.01mg/m ³
Repeatability accuracy	±2%
Operation temperature range	0°C to 50°C
Storage temperature range	-10°C to 60°C
Working Voltage	7.4V(Rechargeable battery)

Size(HxWxD): 248mm x 160mm x 100mm
Weight: 584g
Accessories: Li battery, power adaptor, gift box with carrying case.



EMC
EN: 61326



Model 900A



- Memory for 10 complete data sets
- LED light & audible alarm

• High Quality Sensor



CO-110 Carbon Monoxide Meter detects the presence of carbon monoxide (CO) and measures concentrations between 1-1000 parts per million (PPM). The Meter indicates the presence of CO by a reading on the LCD and a beeper tone. The beeper function much like clicking of a Geiger counter: Above 200 PPM, the beeper sounds continuously with the concentration of CO. From 35 PPM to 200 PPM, the beeper sounds discontinuously with the concentration of CO.



Model CO-110

Features

- Digital LCD Display
- Auto/manual zero
- Memory for 10 complete data sets
- Record mode
- Red & Blue LED light and audible alarm
- High Accuracy, quick response
- Pocket size and easy to use
- Fast sampling
- Max Hold
- Data Hold
- Above 200 PPM, the beeper sounds continuously

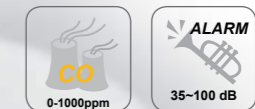
Specifications

Operating temperature	0°C to 50.0°C
Storage temperature	-30°C to 60.0°C
Operating humidity	0-90% relative humidity (non-condensing)
Measurement Range	0 to 1000PPM
Measurement Resolution	1PPM
Accuracy	±5% or ±10PPM
Warm up period	Less than 2 seconds
Battery	9V, NEDA 1604A or equivalent
Sensor type	Stabilized electrochemical Gas-specific (CO)
Typical sensor life	3 years

Size(HxWxD): 102mm x 52mm x 29mm
Weight: 84g

Accessories :
3.6V battery and Gift box with carrying case.

- 16" inch Gooseneck detector
- High quality Sensor



Features

- 16" inch Gooseneck detector is easy to measure the hard-reached areas.
- Highly sensitive and reliable
- Easy to Use: One-hand operation with thumb controlled tick adjust knob. Tick accelerates when sensor tip approaches leak.
- Use in contaminated Environments: Eliminates background gas concentration with fully adjustable tick rate.
- Pinpoint small Leaks: Detects all combustible gas leaks even tiny leaks.

Specifications

Pump Driven field Calibrateable Range	10ppm
Sensor Type	Solid State
Alarm	Visible & Audible at 10% LEL for Methane. Can be calibrated for other concentrations or gases.
Warm-Up	Approx. 1 minute
Response Time	Less than 2 sec. (up to 40% LEL)
Duty Cycle	Intermittent
Probe Length	16"
Battery	3 "C" Alkaline

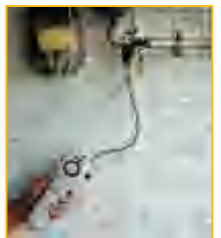
Accessories :

Batteries and Gift box with carrying case.

Size(HxWxD): 221mm x 72mm x 46mm
Weight: 498g



Model 3300



Model 3300

GD-3303 Refrigerant Leak Detector

Features

- 16" inch Gooseneck detector is easy to measure the hard-reached areas.
- Highly sensitive and reliable
- Easy to Use: One-hand operation with thumb controlled tick adjust knob. Tick accelerates when sensor tip approaches leak.
- Use in contaminated Environments: Eliminates background gas concentration with fully adjustable tick rate.
- Pinpoint small Leaks: Detects all Refrigerant leaks even tiny leaks.

Specifications

Pump Driven field Calibrateable Range	10ppm
Sensor Type	Solid State
Alarm	Visible & Audible at 10% LEL for Refrigerant leaks. Can be calibrated for other concentrations or gases.
Warm-Up	Approx. 1 minute
Response Time	Less than 2 sec. (up to 40% LEL)
Duty Cycle	Intermittent
Probe Length	16"
Battery	3 "C" Alkaline

Size(HxWxD): 221mm x 72mm x 46mm
Weight: 498g

High quality Sensor

- Memory for 10 complete data sets
- LED light audible alarm



CO-180/181 Carbon Monoxide Meter detects the presence of carbon monoxide (CO) and measures concentrations between 1-1000 parts per million (PPM). The Meter indicates the presence of CO by a reading on the LCD and a beeper tone. The beeper function much like clicking of a Geiger counter: Above 200 PPM, the beeper sounds continuously with the concentration of CO. From 35 PPM to 200 PPM, the beeper sounds discontinuously with the concentration of CO.



Model 180

Model 181



Features	CO-180	CO-181
Digital LCD Display	*	*
Auto zero	*	*
Auto/manual zero	*	*
Memory for 10 complete data sets		*
Record mode		*
LED light audible alarm		*
High Accuracy, quick response	*	*
Pocket size and easy to use	*	*
Fast sampling	*	*
Max Hold	*	*
Data Hold	*	*
Auto Power Off	*	*
Above 200 PPM, the beeper sounds continuously	*	*

Specifications	
Operating temperature	0°C to 50.0°C
Storage temperature	-30°C to 60.0°C
Operating humidity	0-90% relative humidity (non-condensing)
Measurement Range	0 to 1000PPM
Measurement Resolution	1PPM
Accuracy	±5% or ±10PPM
Warm up period	Less than 2 seconds
Battery	9V, NEDA 1604A or equivalent
Auto Power Off	after 15 minutes of inactivity
Sensor type	Stabilized electrochemical Gas-specific (CO)
Typical sensor life	3 years

Size(HxWxD): 160mm x 56mm x 40mm
Weight: 180g

Accessories :
9V battery and Gift box with carrying case.



Model 3000

GD-3000 Flammable Gas-Leak Detector

- Audible and Visual Annunciation
- Detects: LAG, LPG, CH₄, Methane, Butane, Flammable Gas
- Catalytic Combustion Sensor

Specifications			
Name	Portable gas detector		
Function	Detecting the gas leakage and absorbing static electricity		
Power consumption	DC 200mA	Battery size	1.5V x 2(AAA Size)
Detectable gas	LNG, LPG	Temperature	10°C~50°C
Humidity	95%RH or lower	Duration	About 4 hours continuously

Size(HxWxD): 164mm x 21mm
Weight: 25g

Accessories :
2 x "AAA" Alkaline Batteries and clamshell.

GD-3100

Combustible Gas Leak Detector



3100 is Combustible Gas Leak Detector detects the presence of combustible gas and measures concentrations between 0~10000 parts per million(PPM) with auto zero. The Detector indicates the presence of combustible gas by a reading on the LCD, a red LED & a beeper tone. The beeper will sound rapidly due to the increasing concentrations of combustible gas. It provides quick, precise gas leak locating, would be the best instrument for explosion preventing and safe production.

Features	
Digital LCD Display	
Visible, audible and vibration alarm for noisy & bright environments	
Auto Zero	
Highly sensitive and reliable	
Pinpoint small Leaks: Detects all combustible gas leaks even tiny leaks	
16" inch flexible probe with replaceable sensor	
Auto Power Off	

Specifications	
Sensitivity	<50ppm(methane)
Range	0~10000ppm(methane)
Response Time	< 2 secs
Warm-Up Time	Approx. 50 secs
Audible Alarm	> 75db
Vibration Alarm	Standard
Probe Length	16" inch
Sensor Type	Solid State
Duty Cycle	Intermittent
Battery	3.7V 1400mA Lithium battery

Accessories :

Batteries and Gift box with carrying case.

GD-3301 Combustible Gas Leak Detector



Model 3301

Features	
Easy to Use:	It fits comfortably in your hand and operates with the simple push of a button.
Fast Response:	Pump driven design ensures immediate response.
Easy to Read:	See the results even in poorly lit areas with the back light, two line LCD display.
Quick Set Up:	Push zero button is much easier than manual adjust instruments.
Calibrate in the Field:	No need to send your instrument to the factory for service. Eliminates time.

Specifications	
Pump Driven field Calibrateable Range	0-1000ppm
Resolution	1ppm
Response Time	3 seconds, 90% of reading in 30 seconds
Accuracy	±5ppm, ±3% of reading
Operating Temperature	0-104°F, 5-95% Relative Humidity, non condensing
Zero Adjustment	Push Button
Battery	3 "C" Alkaline
Battery Life	20 hours continuous operation

Size(HxWxD): 221mm x 72mm x 46mm
Weight: 365g

16" inch Gooseneck detector

High quality Sensor



EMC
EN: 61326



Model 3100



Model 3307



3307 Easily operate the Refrigerant Leak Detector with one hand to detect presence of Refrigerants.

3309 is a hand-held SF6 detector (pumped or diffused) series, which is a gas detector for on-site detection of halogen gas leaks and other special applications. The detector has a high response speed and high sensitivity, High resolution, sound and light alarm and other functions, simple operation, is a very high practical gas detector.

Features	3307	3309
High sensitivity to detect 3000ppm of SF6		*
High sensitivity to detect 100ppm of R-134a / R-22	*	
Adjustable tick rate to locate leaks quickly and easily	*	
Visual leak detection by LED indicators	*	*
Precision sensor detects even the smallest leaks	*	*
Compatible with pumping or diffusion of two sampling modes		*

Specifications	
Refrigerant Leak Detector	
Sensitivity to detect	100ppm Of R-134a/ R-22
Sensor Type	Low power semiconductor
Warm Up Time	Approx. 1 minute
Response Time	Less than 2 seconds
Alarm	Visible & Audible
SF6 Leak Detector	
range	0 to 3000ppm
sensitivity	<1ppm
accuracy	<2% F.S
Repeatability	≤ ± 1%

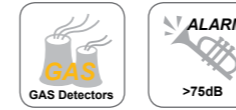
Size(HxWxD): 220mm x 62mm x 40mm

Weight: 480g

Accessories :
9V battery and Gift box with carrying case.



Model 3309



3306/3308 Combustible Gas Leak Detector detects the presence of combustible gas and measures concentrations between 0~10000 parts per million (PPM). The Detector indicates the presence of combustible gas by a reading on the LCD (3308) or five red LEDs (3306). The five red LEDs indicate different concentration of gas. The beeper function much like clicking of a Geiger counter: Above 3200 PPM, the beeper sounds continuously with the concentration of gas. From 0 PPM to 3200 PPM, the beeper will sound rapidly due to the increasing concentrations of combustible gas. It provides quick, precise gas leak locating, would be the best instrument for explosion preventing and safe production.

Features	3306	3308
Digital LCD Display		*
Visible, audible and vibration alarm for noisy & bright environments	*	
Highly sensitive and reliable	*	*
Pinpoint small Leaks: Detects all combustible gas leaks even tiny leaks	*	*
Auto Zero	*	*
Highly Accuracy, quick response	*	*
16" inch flexible probe with replaceable sensor	*	*
Auto Power Off	*	*

Specifications	3306	3308
Sensitivity	<50ppm(methane)	*
Range	0~10000ppm(methane)	*
Response Time	< 2 secs	*
Warm-Up Time	Approx. 40 secs	*
Audible Alarm	> 75db	*
Vibration Alarm	Standard	*
Probe Length	16" inch	*
Visual Alert	5 Red LEDs: Gas Measuring Levels; Sensitivity Visual Alert	*
Display Type	LCD	*
Audible Alert(>75 db)	Loud Audible Ticking Rate(w/Continuous Modulation Proportional to Gas Level)	*

Size(HxWxD): 220mm x 62mm x 40mm

Weight: 480g

Accessories :
9V battery and Gift box with carrying case.



16" inch Gooseneck detector

High quality Sensor



Model 3308



Model 3306

Measuring Carbon Dioxide (CO₂), Air Temperature and Humidity with user adjustable visual and audible alarm, Dew Point and Wet Bulb temperature measurement



Features

- 7" Color TFT LCD Display
- Checks for Carbon Dioxide (CO₂) concentrations (0 to 9,999ppm) and displays Temperature (14 to 140°F / -10 to 60°C) and Relative Humidity (0.1 to 99.9%) readings
- NDIR (non-dispersive infrared) CO₂ sensor
- Indoor Air Quality displayed in ppm with Good, Normal, Poor indication
- Displays Year, Month, Date, and Time
- Max/Min CO₂ value recall function

CE
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Features

Measures Carbon Dioxide (CO₂), Air Temperature and Humidity with user adjustable high/low alarms and choice of datalogging model with memory 999 points
White Color LED Dot Matrix Display
Checks for Carbon Dioxide (CO₂) concentrations (0 to 9,999ppm) and displays Temperature (14 to 140°F / -10 to 60°C) and Relative Humidity (0.1 to 99.9%) readings
NDIR (non-dispersive infrared) CO₂ sensor
Indoor Air Quality displayed in ppm with Good, Normal, Poor indication
Displays Year, Month, Date, and Time
Max/Min CO₂ value recall function

Specifications

Function	Range	Resolution	Accuracy
CO ₂	0-9999ppm	1ppm	±5%±75ppm
Temperature	-10 to 60°C/14 to 140°F	0.1°C/°F	±1°C/1.8°F
Humidity	0.1 to 100.0%RH	0.1%RH	±3%RH(25°C/30 to 99%RH) ±4%RH(25°C/0 to 30%RH)

Size(HxWxD): 110mm x 100mm x 48mm **Accessories :**
Weight: 210g NiMH battery, gift box with carrying case.



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Model 967

DT-802/802D/802W Desktop Indoor Air Quality CO₂ Monitors



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Model 802

Features

Checks for Carbon Dioxide (CO₂) concentrations with Max/Min value recall function
NDIR (non-dispersive infrared) CO₂ sensor
Indoor Air Quality displayed in ppm with Good (380 to 420ppm), Normal (<1000ppm), Poor (>1000ppm) indication
Visible and Audible CO₂ warning alarm
Displays Year, Month, Date, and Time
Automatic Baseline Calibration (minimum CO₂ level over 7.5 days) or manual calibration in fresh air
802D Desktop Indoor Air Quality CO₂ Monitor with datalogger memory 32000 points.
802W Desktop Indoor Air Quality CO₂ includes wireless

Specifications

Function	Range	Resolution	Accuracy
CO ₂	0-9999ppm	1ppm	±75ppm(0-2000ppm)/±8%(2000-9999ppm)
Temperature	-5 to 50°C/23 to 122°F	0.1°C/°F	±1°C/1.8°F
Humidity	0.1 to 90.0%RH	0.1%RH	±3%RH(25°C/30 to 99%RH) ±4%RH(25°C/0 to 30%RH)

Size(HxWxD): 110mm x 105mm x 61mm **Accessories :**
Weight: 230g NiMH battery, gift box with carrying case.

DT-808 Desktop Indoor Air Quality CO₂ Monitor



CE
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EN: 61326

Model 808

Specifications

Function	Range	Resolution	Accuracy
CO ₂	0-9999ppm	1ppm	±5%±75ppm
Temperature	-10 to 60°C/14 to 140°F	0.1°C/°F	±1°C/1.8°F
Humidity	0.1 to 100.0%RH	0.1%RH	±3%RH(25°C/30 to 99%RH) ±4%RH(25°C/0 to 30%RH)

Size(HxWxD): 205mm x 110mm x 35mm
Weight: 350g
Accessories : NiMH battery, gift box with carrying case.

3803 is a multifunction GAS meter that simultaneously measures and records O₂, CO, CO₂ temperature and humidity. It includes the relational software which can be used to program, download data and save logged files.



EMC
EN: 61326



Model GD-3803

Features

Measures and logs Oxygen(O₂), Carbon Monoxide(CO), Carbon Dioxide(CO₂), relative humidity and temperature
 High Accuracy gas sensor
 Max/Min and average value display
 Adjustable audible O₂, CO and CO₂ alarm
 Display with backlight
 Adjustable auto power off function
 Mini USB interface Connections
 Auto Power Off

Specifications

O ₂ Measurement	
Oxygen Range	1 - 30% vol. O ₂
Oxygen Resolution	0.1%
Oxygen Respond Time	<15 Seconds
CO Measurement	
Carbon Monoxide(CO) Range	0 - 1000ppm
Carbon Monoxide(CO) Accuracy	±5%F.S
Carbon Monoxide(CO) Resolution	1 ppm
Carbon monoxide(CO) Respond time	<2 Seconds
CO ₂ Measurement	
Carbon Dioxide(CO ₂) Range	0 - 9999ppm CO ₂
Carbon Dioxide(CO ₂) Resolution	1 ppm
Carbon Dioxide(CO ₂) Accuracy	±75ppm or ±5% of reading
Carbon Dioxide(CO ₂) Respond time	120 Seconds
Temperature & Humidity Measurement	
Temperature Range	0°C to 50°C (32°F to 122°F)
Temperature Resolution	0.1°C/°F
Temperature Accuracy	±1°C
Humidity Range	0 to 100%RH
Humidity Resolution	0.1%RH
Humidity Accuracy	±3.5%RH @20 to 80%RH ±5%RH @0 to 20%RH or 80 to 100%RH
Operate Environment	0°C to 50°C (23°F to 122°F) at <90%RH

Size(HxWxD): 240mm x 75mm x 57mm

Weight: 380g

Accessories :

NiMH battery, gift box with carrying case.

Electrochemical Exhaust Ozone Concentration Detector for gas concentration detection in a variety of industrial environments and special environments, with imported electrochemical sensors and microcontrollers technology for fast response, high accuracy, stability and repeatability, Machine performance ranks the world's leading level, the parameters of the user can customize the settings, simple operation. Using 2.0-inch industrial color screen, the perfect display of the technical indicators and gas concentration values, you can view the historical data on the screen, with storage, data export, temperature and humidity detection and other functions.

Features

Imported electrochemical sensors and ultra-low power 32-bit microprocessors
 2.0-inch industrial grade color screen with a resolution of 220x176
 PPM, mg / m³ two units of concentration can be free to switch
 has a data storage function, can store 5000 sets of data, you can view the historical data on the screen, you can export data
 with temperature and humidity detection function, can detect the site or the gas temperature and humidity within the pipeline
 built-in powerful pumping device, can work in the micro-negative pressure environment
 Automatic shutdown function
 Bluetooth interface (99B)

Specifications

Measuring Range	0~100ppm
Resolution	0.01ppm
Air Temperature	-20 to 70°C
Humidity Range	0 to 100%RH
Detection	Suction, built-in powerful suction device, flow rate: 50-500mL / min adjustable, can work in the micro-negative environment
Response time	≤60s
Repeatability	≤±1%
Storage mode	real-time storage, can store data 5000 group, you can view the historical data on the screen

Size(HxWxD): 185mm x 55mm x 38mm

Weight: 139g

Accessories : 3.7V Li-on battery, Clamshell.

DT-176 Waterproof pH/Conductivity Meter

176 Combination rugged Flat Surface pH electrode & innovative design with flat surface technology support quick on-the-spot pH measurements with autoranging high accuracy.

Features

Measures pH and Temperature using one electrode
 Memory stores up to 25 labeled readings
 RENEW feature alerts user when electrode needs replacement
 Auto power off and low battery indicator
 IP57 Waterproof

Specifications

Specifications	Range	Max Resolution	Basic Accuracy
pH	0.00 to 14.00pH	0.01pH	±0.01pH
Temperature	23° to 194°F (-5 to 90°C)	0.1°F/°C	±1.8°F/1°C
Waterproof	IP65		
Memory	25 datasets		

Size(HxWxD): 36mm x 186mm x 41mm

Weight: 110g

Accessories :

NiMH battery, gift box with carrying case.



Model 99



EMC
EN: 61326

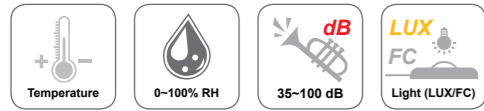


EMC
EN: 61326

Model 176



Combination flat surface pH electrode with Conductivity cell



22/2232 digital Multifunction Environment Meter have been designed to combine the functions of Sound Level Meter, Light Meter, Humidity Meter, and Temperature Meter. They are ideal Multifunction Environment Instruments with scores of practical applications for professional and home use.

CE
EMC & LVD
EN: 61326
EN: 61010-1,
EN: 61010-02-031

Model 22

● 22: 4 in 1 environment meter. It is mini size with high technology for professional use.
● 2232: 4 in 1 multifunction environment meter with PC Interface.

EN 61010-1 CAT II 600V

Features		22	2232
Digital display counts		2000	4000
PC Interface		*	*
Auto power Off		*	*
Low battery indication		*	*

Specifications		22	2232
Function	Max Range	Resolution	Basic Accuracy
Light	20,000Lux	0.1Lux	±0.5%±10d
	40,000Lux		
Sound	100dB	0.1dB	±3.5dB
	130dB		
Humidity	95%RH	0.1%RH	±5%RH
	1300°C	0.1°C	±3%±1d
Temperature	750°C/1400°F	0.1°C/°F	±3%±2d

Size(HxWxD): 121mm x 60.6mm x 40mm
Weight: 280g

Accessories :
22: Rubber holster, 9V battery, Test leads and K-Type temperature probe.
2232: Rubber holster, Test leads, K-Type temperature probe, 9V battery, RS-232 PC cable & Software diskette.

DT- 25 Home Energy Check



The Home Energy Check is a power-measuring device which complies with the latest state of the art. It enable you to determine the energy costs of "current eaters" in a simplest way.

Specifications	
Operating voltage	230 V A.C., 50 Hz
Tolerance	± 1% ± 1 W (max. ± 2 % and ± 2W)
Measurements range	2,500 W; max. ± 4 % for measurements exceeding 2,500 W
Input/Output	Earthing protective contact plug and socket
Maximum amperage	Approx. 13 A
Max. power	3,000 W (= 3 kW = abt. 13 A x 230 V)
Overflow indication	Flashing signal from abt. 3,070 W
Working temperature	From +10 °C to +40 °C, rel. humidity of air < 75 %, noncondensing

Size(HxWxD): 140mm x 72mm x 43mm
Weight: 280g

Accessories :
Battery and clamshell.

T-12/T-12B/T-12S Timers

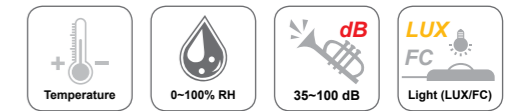
Model T-12B



Model T-12

Model T-12S

Accessories :
Battery and clamshell.



The 4 in 1 digital Multifunction Environment Meter has been designed to combine the functions of Sound Level Meter, Light Meter, Humidity Meter, and Temperature Meter. It is an ideal Multifunction Environment Meter Instrument with scores of practical applications for professional and home use.

The Sound Level function can be used to measure noise in factories, schools, offices, home, etc, checking acoustics of studios, auditoriums and hi-fi installations. The Light function is used to measure illuminance in the field. It is fully cosine corrected for the angular incidence of light. The light sensitive component used in the meter is a very stable, long life silicon diode.

The Humidity/Temperature uses a humidity/semiconductor sensor and K type thermocouple.

Features	
4 in 1 for Light meter, Sound level meter, Humidity/Temperature meter	
3 1/2 large LCD display	
Data Hold and Max Hold	
Auto Power Off	
"OL" Over-range indication	
"BAT" Low battery indication	
Total accuracy: for C.I.E standard illuminate A(2856K)	

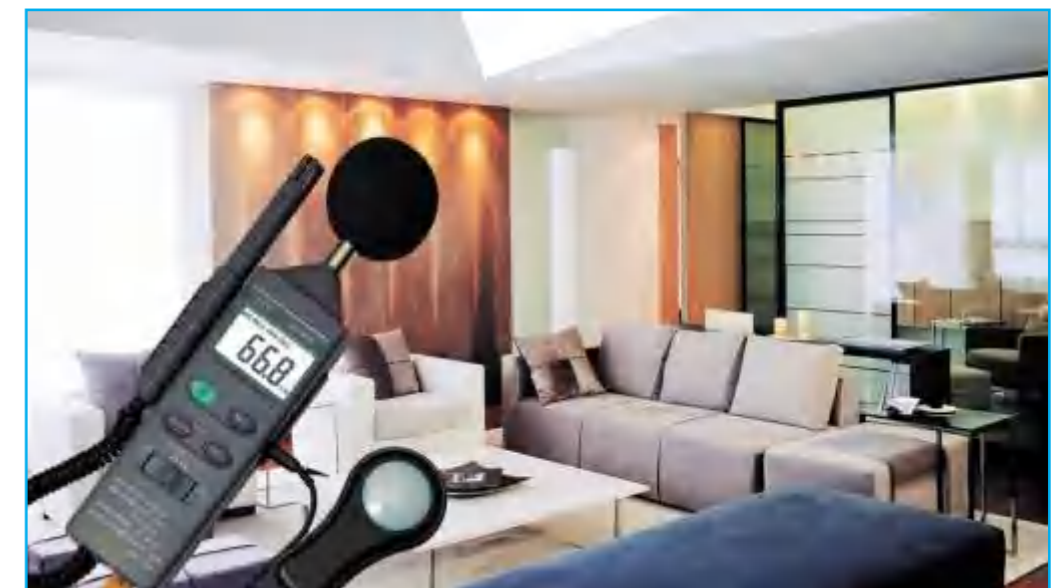
Specifications			
Function	Range	Resolution	Accuracy(%rdg+digits)
Temperature	-20°C~200°C	0.1°C	±(3.0%+2°C)
	-20°C~750°C	1°C	±(3.0%+2°C) ≤150°C; ±3.0% ≥150°C
	-4°F~200°F	0.1°F	±(3.0%+2°F)
	-4°F~1400°F	1°F	±(3.0%+2°F) ≤302°F; ±3.0% ≥302°F
Light	20,200,2000,20000 (2000 x 10 Lux)	0.01,0.1,1	±(5.0%+10d)
Humidity	35%~95%RH	0.1%RH	±5.0%RH at 25°C
Sound Level	35dB~100dB	0.1dB	±3.5dB at 94dB sound level, 1KHz sine wave

Size(HxWxD): 251mm x 63.8mm x 40mm
Weight: 250g

Accessories :
9V battery and K-type temperature probe, humidity probe, light probe, gift box with carrying case.



Model 8820



Particle Counter



- 2.8" TFT color LCD display**
- Support **Images(JPEG)** capture capabilities
- Support **Particle** measurement
- Support **Video(3GP)** capture capabilities
- Support **Harmful Gases** measurement
- Date/Time** setup controls
- Support, **Air, Dewpoint, Wet bulb Temp. & Air humidity** measurement
- USB** interface
- Support **MicroSD** memory card extension
- Data Logger**

9880/9881/9880M/9881M are Particle Counter with 2.8" color TFT LCD display & a microSD memory card for capturing images(JPEG) or video(3GP) for viewing on your PC, providing fast, easy and accurate readings for particle counter, GAS (HCHO,CO) detectors, air temperature & relative humidity measurements. It is the first combination of these measurements in global, would be the best instrument for environment protection and energy save. The dewpoint temperature measurement will be very visible for wet and dry proof. It is a good hand for industrial measurements and data analyzing, the real scene and time can be displayed on color TFT LCD. Any memory readings can be recorded in SD card. The user can be back in office to analyze the measured air quality under the support of software.

9883M is 4 in 1 Particle Counter.



Model 9880

Features

	9880	9881	9880M/9881M	9883M
2.8" TFT 320x240 pixels Color LCD display	*	*	*	*
Images(JPEG) & Video(3GP)	*	*	*	*
Simultaneously measure and display 6 channel of particle sizes, measure particle size down to 0.3 μm	*	*	*	*
The determination of suspended particle concentration in the air of the weight method (PM2.5/PM10)			*	*
GAS (HCHO,CO) detectors		*	*/-	*/-
TVOC, CO ₂				*
Air temperature and humidity, Dewpoint & Wet bulb temperature	*	*	*	*
Max, Min, DIF, AVG record, Date/time setup controls, alarm	*	*	*	*
MicroSD (MAX. use 8GB) memory card, USB interface	*	*	*	*
Auto Power Off	*	*	*	*
Selectable sample time, count data, programmable delay	*	*	*	*
Store 5000 records of date, time, counts, relative humidity, temperature, sample volumes, alarms and location label	*	*	*	*
Language selection English, Chinese, French, German, Spanish	*	*	*	*

Specifications

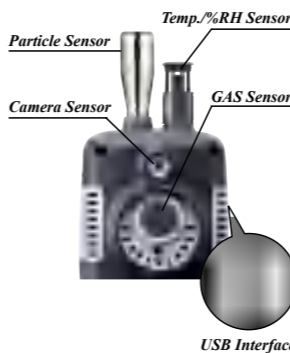
		9880	9881	9880M/9881M	9883M
Particle Counter					
Channel	0.3, 0.5, 1.0, 2.5, 5.0, 10μm	*	*	*	*
Flow Rate	0.1ft ³ (2.83L/min) controlled by internal pump	*	*	*	*
Count Modes	Totalize, Concentration, Audio	*	*	*	*
Coincidence Loss	5%, 2,000,000 particles per ft ³	*	*	*	*
Mass Concentration Channel	PM2.5 : 0~500ug/m ³ ; PM10: 0~500ug/m ³			*	*
Air Temperature Measure					
Air Temp Range	0 to 50°C/32 to 122°F; Basic Accuracy: ±0.5°C/1°F	*	*	*	*
Humidity Range	0 to 100%RH; Basic Accuracy: ±2.5%RH(20%~80%RH)	*	*	*	*
Dew Point Temp. Range	-30~100°C/ -22~199°F	*	*	*	*
Wet Bulb Temp. Range	0~80°C/ 32~176°F	*	*	*	*
GAS Detectors					
HCHO (methanal) Range	0.01~5.00ppm; Basic Accuracy: ±5%F.S		*	*/-	*
CO (carbon monoxide) Range	0~1000ppm; Basic Accuracy: ±5%F.S		*	*/-	*
CO ₂ Range	0~9999ppm; Basic Accuracy: ±75PPM ±5% of reading				*
TVOC Range	0.00~10mg/m ³ ; Accuracy: ±5%F.S				*

Size(HxWxD): 240mm x 75mm x 57mm

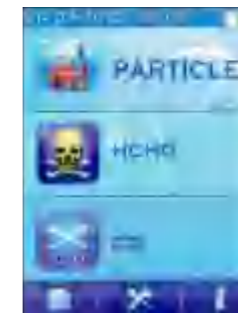
Weight: 570g

Accessories :

NiMH battery, gift box with carrying case.



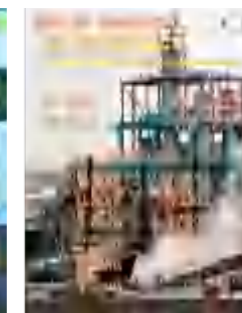
USB Interface



Main Menu



GAS Detectors



Fold reading on the images



JPG images/AVI videos

9850M/9851M are Particle Counter with 2.8" color TFT LCD display & a microSD memory card, providing fast, easy and accurate readings for particle counter, HCHO detectors, air temperature & relative humidity measurements. It is the first combination of these measurements in global, would be the best instrument for environment protection and energy save. The dewpoint temperature measurement will be very visible for wet and dry proof. It is a good hand for industrial measurements and data analyzing, the real scene and time can be displayed on color TFT LCD. Any memory readings can be recorded in SD card. The user can be back in office to analyze the measured air quality under the support of software.



Model 9851M

Features	9851M	9850M
2.8" TFT 320x240 pixels Color LCD display	*	*
Simultaneously measure and display 3 channel of particle sizes, measure particle size down to 0.3 μm & Mass Concentration	*	*
HCHO detectors	*	*
Air temperature and humidity, Dewpoint & Wet bulb temperature	*	*
Max, Min, DIF, AVG record, Date/time setup controls, alarm	*	*
MicroSD (MAX. use 8GB) memory card, USB interface	*	*
Auto Power Off	*	*
Selectable sample time, count data, programmable delay	*	*
Store 5000 records of date, time, counts, relative humidity, temperature, sample volumes, alarms and location label	*	*
Language selection English, Chinese, French, German, Spanish	*	*

Specifications	
Particle Counter	
Channel	0.3, 0.5, 1.0, 2.5, 5.0, 10μm
Flow Rate	0.1ft ³ (2.83L/min) controlled by internal pump
Count Modes	Totalize, Concentration, Audio
Coincidence Loss	5%, 2,000,000 particles per ft ³
Mass Concentration Channel	PM2.5 : 0~500ug/m ³ ; PM10 : 0~500ug/m ³
Air Temperature Measure	
Air Temp Range	0 to 50°C/32 to 122°F; Basic Accuracy: ±1°C/2°F
Humidity Range	0 to 100%RH; Basic Accuracy: ±3.5%RH(20~80%RH) ±5%RH(0~20%RH) ±5%RH(80~100%RH)
Dew Point Temp. Range	-30~100°C/ -22~199°F
Wet Bulb Temp. Range	0~80°C/ 32~176°F
HCHO Detectors	
HCHO (methanal) Range	0.01~5.00ppm; Basic Accuracy: ±5%F.S

Size(HxWxD): 240mm x 75mm x 57mm
Weight: 570g
Accessories :
 NiMH battery, gift box with carrying case.



EMC
EN: 61326



968/969 is a new core algorithm, comprehensive dynamics, night detection, digital signal processing, optical electro-mechanical integration, and other high-tech. Testing has high precision, stable performance, fast response time, easy to carry, easy to operate. On PM2.5 testing to innovative design and algorithm, greatly reducing the cost of the tester, and reached the international advanced nature of indicators of similar products.

Features	968	968W	969	969W
2.4" TFT 320 x 240 pixels Color LCD display	*	*	*	*
The determination of suspended particle concentration in the air of the weight method (PM2.5/PM10)	*	*	*	*
PM2.5/PM10	*	*	*	*
Air temperature and humidity	*	*	*	*
Analog bar indicator	*	*	*	*
Auto Power Off	*	*	*	*
HCHO	*	*	*	*
Wireless interface	*	*	*	*

Specifications	968	968W	969	969W
Particle Counter Channel	2.5, 10μm	*	*	*
Mass Concentration	PM2.5: 0~2000ug/m ³ ; PM10: 0~2000ug/m ³	*	*	*
Resolution	1ug/m ³	*	*	*
HCHO	0.00~5.00mg/m ³	*	*	*
HCHO Accuracy	±5%F.S	*	*	*
Air Temperature Measurement				
Air Temp Range	0 to 50°C/32 to 122°F	*	*	*
Basic Accuracy	±1°C/2°F	*	*	*
Humidity Range	0 to 100%RH	*	*	*
Basic Accuracy	±5%RH @0 to 20%RH and 80 to 100%RH ±3.5%RH @20 to 80%RH	*	*	*

Size(HxWxD): 160mm x 85mm x 73mm **Accessories :**
Weight: 360g NiMH battery, gift box with carrying case.

DT-9680 Series Particle Mass Concentration Detector

9680 Series is Particle Mass Concentration Monitor with LCD display, providing fast, easy and accurate readings for particle counter, air temperature & relative humidity measurements. It can real-time monitor the indoor air quality and can store 5000 data, help you know the the health level of indoor environment. It will open the wireless interface, implementing household electronic products such as air conditioner, air purifier, so as to realize home automation and environment protection.

Features	9680	9681
Digital LCD display	*	*
Indicates health level of indoor environment.	*	*
The determination of suspended particle concentration in the air of the weight method(PM2.5)	*	*
The determination of suspended particle concentration in the air of the weight method(PM10)	*	*
Air temperature and humidity detector	*	*
Gas (HCHO, CO ₂) detector	*	*
Memory for 100 complete data sets (counts, relative humidity, temperature, date, time)	*	*
Date/Time setup controls, alarm	*	*
Low-power consumption mode	*	*
Wireless interface	*	*

Specifications	9680	9681
Particle Mass Concentration		
Channel	PM2.5 : 0~999ug/m ³	*
Channel	PM10 : 0~999ug/m ³	*
Air Temperature Measurement		
Air Temp Range	-20 to 70°C/-4 to 158°F; Basic Accuracy:±1°C/°F	*
Humidity Range	0 to 100%RH;	*
Basic Accuracy:	±3.5%RH@20 to 80%RH ±5%RH@0 to 20%RH or 80 to 100%RH	*
Gas Detectors		
HCHO Range	0.01~5.00 ppm; Basic Accuracy: ±5% F.S	*
CO2 Range	0~10000 ppm; Basic Accuracy: ±5%±75ppm	*

Size(HxWxD): 160mm x 85mm x 73mm **Accessories :**
Weight: 360g NiMH battery, gift box with carrying case.



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Model 968



EMC
EN: 61326



Model 9680

Mini Particle Counter



EMC
EN: 61326



96 Particle Counter with 2.0" color TFT LCD display provides fast, easy and accurate readings for particle counter & particle mass concentration with air temperature & relative humidity measurements. It is the first combination of these measurements in global, would be the best instrument for environment protection and energy save. The dew point temperature measurement will be very visible for wet and dry proof.
96B provides particle counter, air temperature, relative humidity with Bluetooth interface.
96H provides particle counter, air temperature, relative humidity & HCHO Measurement.

Features

	96	96B	96H
2.0" TFT 220*176 pixels Color LCD display	*	*	*
The determination of suspend particle concentration in the air of the weight method (PM2.5/PM10)	*	*	*
Particle Counter PM2.5/PM10	*	*	*
Air temperature and humidity	*	*	*
Auto Power Off	*	*	*
Real time clock display	*	*	*
Analog bar indicator	*	*	*
HCHO Measurement			*
Bluetooth interface		*	*

Specifications

	96	96B	96H
Particle Counter			
Channel	2.5,10um	*	*
Mass Concentration	PM2.5:0~2000ug/m3; PM10:0~2000ug/m3;	*	*
Resolution	1ug/m3	*	*
Air Temperature Measure			
Air Temp Range	0 to 50°C/32 to 122°F	*	*
Basic Accuracy	±1°C/2°F	*	*
Humidity Range	0 to 100%RH	*	*
Basic Accuracy	±5%RH @0 to 20%RH and 80 to 100%RH ±3.5%RH @20 to 80%RH	*	*
HCHO Measurement			
HCHO Range	0 to 5.00PPM		*
Basic Accuracy	±5% F.S		*

Size(HxWxD): 185mm x 55mm x 38mm
Weight: 139g

Accessories :
NiMH battery, gift box with carrying case.



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Model 96



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Model 96H



Conformance

- ISO 21501-4
- Bluetooth interface
- Wi-Fi connectivity(9891)



EMC
EN: 61326



This is a new type of particle counters, HVAC and IAQ specialist is the tool of choice, high-precision particle counter can be used to measure the filtration efficiency, monitoring, industrial clean rooms, pre-check the indoor air quality, locating particle sources in order to effectively improve the environment quality. This section particle counter has a large display, intuitive user interface and navigation map that allows users to test faster, simple and practical. Handheld design, can be used in any position, with Bluetooth wireless technology or a USB cable for data output and the convenience of anytime, anywhere viewing and analyzing data.

Features

	9890	9891
3.5" TFT 960x480 pixels Color LCD display	*	*
Images(JPEG) & Video(3GP)	*	*
Simultaneously measure and display 6 channel of particle sizes, measure particle size down to 0.3 μm	*	*
Air temperature and humidity, Dewpoint & Wet bulb temperature	*	*
Max, Min, DIF, AVG record, Date/time setup controls, alarm	*	*
MicroSD (MAX. use 8GB) memory card, USB interface	*	*
Auto Power Off	*	*
Selectable sample time, count data, programmable delay	*	*
Store 10000 records of date, time, counts, relative humidity, temperature, sample volumes, alarms and location label	*	*
Language selection English, Chinese, French, German, Spanish	*	*
Bluetooth interface	*	*
Wi-Fi connectivity	*	*

Specifications

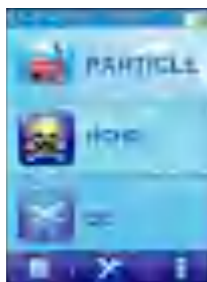
Particle Counter		9890	9891
Channel	0.3, 0.5, 1.0, 2.5, 5.0, 10μm	*	*
Flow Rate	0.1ft ³ (2.83L/min) controlled by internal pump	*	*
Light source	Laser	*	*
Count Modes	Cumulative, Differential Concentration	*	*
Count efficiency	50%@0.3um;>0.45um 100%(according to ISO21501)	*	*
Zero count	every five minutes counting(JIS B9921)	*	*
Concentration limits	10%, 4,000,000 particles per ft ³	*	*
Delay time	0 -24 hour	*	*
Calibration	PSL particles in air	*	*
Working environment	10 to 40°C (50°F to 104°F)	*	*
Storage environment	-10 to 50°C (-14°F to 122°F)	*	*
Air Temperature Measure			
Air Temp Range	0 to 50°C/32 to 122°F; Basic Accuracy: ±1°C/2°F	*	*
Humidity Range	0 to 100%RH; Basic Accuracy: ±3.5%RH(20%~80%RH)	*	*
Dew Point Temp. Range	-30~100°C/ -22~199°F	*	*
Wet Bulb Temp. Range	0~80°C/ 32~176°F	*	*

Size(HxWxD): 92mm x 239mm x 63mm

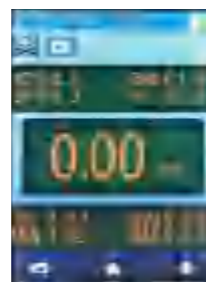
Weight: 790g

Accessories:

3.7V Li battery, USB cable, CD, gift box with carrying case.



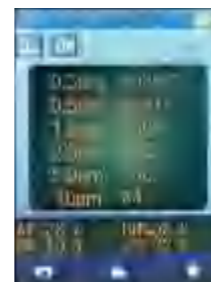
Main Menu



GAS Detectors



Fold reading on the images



6 channel of particle sizes

PM-127 is the device that contains PM2.5, PM10, HCHO, TVOC, CO2, temperature and humidity detecting. The device uses high precision sensor to ensure the reliability of detecting. What makes it different is the PM-127 uses NB-IoT(Narrow Band Internet of Things) technology.

Features

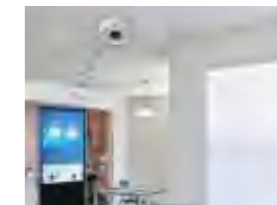
- Detecting PM2.5&PM10&HCHO&TVOC&CO2
- Air temperature and humidity
- NB-IoT remote communication
- RS-485 communication interface
- Breathing lamp
- Hang it on the wall
- AC-220V&DC-24V power supply



EMC
EN: 61326



Model PM-127



Specifications

	Size Channels	Range	Precision	Resolution
Particulate matter detection	PM2.5/PM10	0~2000ug/m ³		1 ug/m ³
HCHO detection		0.00~5.00ppm	±5% F.S	0.01ppm
TVOC detection		0.00~9.99ppm	±5% F.S	0.01ppm
CO2 detection		0~9999ppm	±75 ppm ±5% of reading	1ppm
Temperature		-10 to 60°C / 14 to 140°F	±2°C (±1.8°F)	0.1°C /°F
Humidity		0~100%RH	±3.5%RH(20~80%RH) ±5%RH(0~20%RH/80~100%RH)	0.1%RH

PM-122 PM2.5 Air Quality Detector

PM-122 is a new core algorithm, comprehensive dynamics, night detection, digital signal processing, optical electro-mechanical integration, and other high-tech. Testing has high precision, stable performance, fast response time, easy to carry, easy to operate.

Features

- 2.4" TFT 320 x 240 pixels Color LCD display
- The determination of suspend particle concentration in the air of the weight method (PM2.5/PM10)
- Air temperature and humidity
- Analog bar indicator
- Auto Power Off
- Wireless interface



EMC
EN: 61326



Model PM-122

Specifications

Particle Counter Channel	2.5, 10um
Mass Concentration	PM2.5:0~2000ug/m ³ ; PM10:0~2000ug/m ³ ;
Resolution	1ug/m ³
Air Temperature Measurement	
Air Temp Range	0 to 50°C/32 to 122°F
Basic Accuracy	±1°C/2°F
Humidity Range	0 to 100%RH
Basic Accuracy	±5%RH @0 to 20%RH and 80 to 100%RH ±3.5%RH @20 to 80%RH

PM-125 PM2.5 Air Quality Detector

Features

- Intelligent control purifiers, air purification equipment new fan
- 2.8" TFT Color display with 320*240 Pixels
- Simultaneous measurement of PM2.5 and PM10
- Analog bar indication & Auto power off
- Wi-Fi IEEE802.11b/g/n Communication Interface



Specifications

	Size Channels	Range	Precision	Resolution
Particulate matter detection	PM2.5/PM10	0~2000ug/m ³		1 ug/m ³
HCHO detection		0.00~5.00ppm	±5% F.S	0.01ppm
TVOC detection		0.00~9.99ppm	±5% F.S	0.01ppm
CO2 detection		0~9999ppm	±75 ppm ±5% of reading	1ppm
Temperature		-10 to 60°C / 14 to 140°F	±2°C (±1.8°F)	0.1°C /°F
Humidity		0~100%RH	±3.5%RH(20~80%RH) ±5%RH(0~20%RH/80~100%RH)	0.1%RH



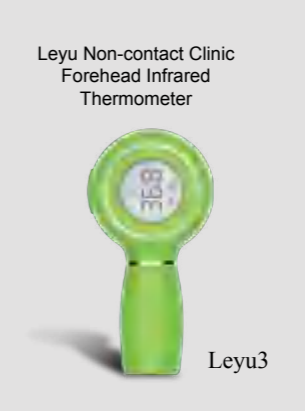
EMC
EN: 61326



Model PM-125

Wisdom leads the future life

The wide applications of Bluetooth, WIFI, ZIGBEE, GPS, NB-IoT etc involve extending Internet connectivity beyond standard devices, such as desktops, laptops, smartphones and tablets, to any range of traditionally dumb or non-internet-enabled physical devices and everyday objects. Embedded with technology, these devices can communicate and interact over the Internet, and they can be remotely monitored and controlled. CEM IoT applications are: Intelligent agriculture, transportation, security system, air conditioning, healthcare, power grid etc.



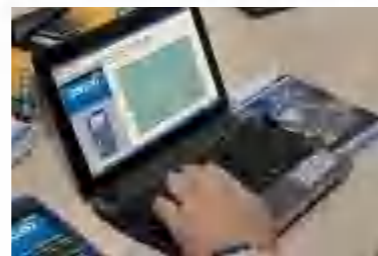
Professional Automotive Oscilloscope Multimeter with TFT color LCD display



EMC & LVD
EN: 61326
EN: 61010-1, EN: 61010-02-031

9996 is Professional Automotive True RMS Digital Multimeter with oscilloscope functions and TFT color LCD display, providing fast A/D converting sampling time, high accuracy, built-in datalogging and Trend Capture features.

- RPM measurement for automotive engines with 2 to 10 Cylinders using the inductive Pick-up.
- 14 Functions including DCV, ACV, DCA, ACA, Resistance, RPM (Tach), Dwell angle, Duty cycle, Frequency, Temperature(°C/°F), Capacitance, Continuity and Diode Check.
- Read pulse duty cycle and dwell angle for electronic fuel injection feedback carburetors, and ignition
- Measures Milliseconds pulse width to test on-time of fuel injectors, idle air control motors, and electronic transmission controls.



Bluetooth PC interface



Safety Conformance

- EN61010-1 CAT IV 600V, CAT III 1000V
- 1000V input protection on all ranges
- 10A/1000V & 0.5A/1000V fuses protection on current ranges

- IP67 dust and water proof
- True RMS
- Cloud computing



Model 9996

Features

Large 50,000 count 320 x 240 TFT color LCD display
10MHz/50MS/s bandwidth/Real time sample rate
Logging function with TrendCapture for easy review of logged data
Bluetooth PC interface for easy data transfer & accuracy calibration
100kHz/100kHz bandwidth (voltage/current)
AC, AC+DC true-RMS measurements
Records events and trends
Saves measurements
A/D convert fast sampling time
Peak capture (records transients as fast as 250µs)
Min/Max/Average with Time stamp (records signal fluctuations)
Motor winding and low ohm (50Ω) measurement range
Low pass filter
IP Rating 67
Compatible with AC/DC clamp-on adaptor with bluetooth at mV range

- TFT color LCD display
- 50000 counts



EMC & LVD
EN: 61326
EN: 61010-1, EN: 61010-02-031



Specifications

Oscilloscope Functions			
Display Size	3.5" color LCD; 320 x 240 pixels		
Bandwidth	10MHz		
Real time sample rate	50MS/s		
Risetime	17.5ns		
Glitch Capture	50ns		
Vertical Sensitivity	20mV to 100V/div		
Vertical Resolution	8 bits		
Trigger Mode	Ferr Run, Single Shot, Edge		
Trigger Source	CH1		
Trigger Coupling	AC/DC		
Input impedance	1MΩ/20pF		
Max Input Voltage	400V(peak)		
Cursor Measurement	Voltage and time		
Automotive True RMS Multimeter Functions			
Function	Maximum	Max. resolution	Accuracy
Voltage DC	1000V	1µV	±(0.025% + 5)
Voltage AC	1000V	1µV	±(0.4% + 40)
Current DC	10A	0.01µA	±(0.15% + 2)
Current AC	10A	0.01µA	±(0.07% + 5)
Temperature	-50°C to 1350°C	0.1°C	±(1.0% + 1°C)
Resistance	50MΩ	0.1Ω	±(0.05% + 2)
Capacitance	10mF	0.001nS	±(1.0% + 5)
Frequency	10MHz	0.01Hz	±(0.005% + 1)
RPM(Tach)	600 ~ 4000RPM; 600 ~ 12000RPM(x 10RPM)		±(2.5%+2d)
Dwell Angle	1CYL, 2CYL, 3CYL, 4CYL, 5CYL, 6CYL, 8CYL, 10CYL, 12CYL		±(2.5%+2d)
Duty Cycle	0.1~99.9%		±(1.5%+2d)
Period	0.1~20mS		±(3.0%+5d)
Pulse Width	0.1~10mS		±(3.0%+5d)
Diode and Continuity	Yes		
PC Interface	Bluetooth		
Power Supply	6 hours Li-ion rechargeable battery;AC Adaptor/charger		

Size(HxWxD): 220mm x 96mm x 60mm

Weight: 631g

Accessories:

Test leads, Li-ion batteries, Type K temperature probe, Software, gift box with carrying case.



10MHz Oscilloscope Function



Fast response time



High Resolution & Accuracy



Multifunction Selectable



Trend Capture function



Help Menu

Auto-ranging Automotive Digital Multimeter

9008/3116 are designed as special automotive digital multimeter and clamp type meter for oil field.



Model 9008



Model 9008C

Specifications			
Function	Range	Resolution	Basic Accuracy
Voltage DC	0V~700V	0.01V	±(0.8%rdg+5dgt)
Voltage AC	0V~700V	0.01V	±(0.8%rdg+5dgt)
Current AC	1A~300A	0.1A	±(2.8%rdg+5dgt)
Resistance	1ohm~10Mohm	0.1ohm	
Phase	0°~360°	1°	±3°
Duty Cycle	0.1 to 99.9%	0.1%	
Frequency	10Hz~400Hz	0.01Hz	±(2.0%rdg+3dgt)
Measure Phase condition	Voltage: 50V~700V/ Current: ±(2.8%rdg+5dgt)		
Well number	100number		
Data save	1000		
Duty Cycle	± (1.2% reading +2 digits)		
Clock	Year month date		
Display	TFT, 320 (RGB) x240		
Measurement Rate	3 times per second		
Input impedance	About: 10MΩ		

Specifications 9008C		
Function	Range	Accuracy (% of reading)
AC Current (50/60Hz)	30.00AAC	± (2.8 % + 10 digits)
	300.0AAC	± (2.8 % + 5 digits)

Size(HxWxD): 170mm x 79mm x 50mm (9008), 197mm x 70mm x 40mm (3116)
 150mm x 58mm x 35mm (9008C)

Weight: 188g (9008), 183g (3116), 205g (9008C)

Accessories: Test leads, Inductive pick-up, 9V battery and gift box with carrying case.

 EMC & LVD
 EN: 61326
 EN: 61010-1, EN: 61010-02-031


Model 3116



Model 9008C



Automotive Digital Multimeter provides multi-functions:

- RPM(RPM 2 Stroke or 4 Stroke mode active) measurement for automotive engines with 4 to 8 Cylinders using the inductive Pick-up.
- Oversized high contrast LCD display with backlight.
- 14 Functions including DCV, ACV, DCA, ACA, Resistance, RPM (Tach), Dwell angle, Duty cycle, Frequency, Temperature
- Read pulse duty cycle and dwell angle for electronic fuel injection feedback carburetors and ignition
- Data Hold, Relative functions & auto power off.
- Fused current inputs and Overload protection on all ranges.

Auto-ranging Automotive Digital Multimeter



Model AT-9906DIS


 EMC & LVD
 EN: 61326
 EN: 61010-1, EN: 61010-02-031

Features		
	9906DIS	9965
Digital display counts	3200 with Analog Bargraph	4000 with Analog Bargraph
Auto ranging	*	*
Ims Peak hold, MAX/MIN hold		*
Overload protection on all ranges	*	*
Low battery indication	*	*
Inductive Pick-up	*	*

Specifications			
Function	9906DIS Range	9965 Range	Basic Accuracy
Voltage DC	320mV/3.2V/32V/320V/600V	400mV, 4V, 40V, 400V, 600V	±(0.5%+2d)
Voltage AC	3.2V, 32V, 320V, 600V	400mV, 4V, 40V, 400V, 600V	±(0.8%+4d)
Current DC	320uA, 3200uA, 32mA, 320mA, 10A	400uA, 4000uA, 40mA, 400mA, 10A	±(1.2%+2d)
Current AC	320uA, 3200uA, 32mA, 320mA, 10A	400uA, 4000uA, 40mA, 400mA, 10A	±(1.5%+4d)
Resistance	320Ω, 3.2kΩ, 32kΩ, 320kΩ, 3.2MΩ, 32MΩ	400Ω, 4kΩ, 40kΩ, 400kΩ, 4MΩ, 40MΩ	±(0.8%+3d)
RPM(Tach)	600 ~ 4000RPM; 600 ~ 12000RPM(x 10RPM)	600~4000RPM; 600~12000RPM(x 10RPM)	±(2.0%+2d)
Dwell Angle	4, 5, 6, 8CYL	4, 5, 6, 8CYL	±(2.5%+2d)
Duty Cycle	0.1~99.9%	0.1~99.9%	±(1.5%+5d)
Frequency	320Hz/3200Hz/32kHz	0.001Hz~9.99MHz	±(2.0%+2d)
Temperature	-20°C ~ 760°C/-4°F ~ 1400°F	-20°C ~ 760°C/-4°F ~ 1400°F	±(3.0%+2d)
Capacitance		40nF, 400nF, 4uF, 40uF, 400uF, 4mF, 40mF	±(3.0%+2d)
Pulse Width		0.1~10mS	±(3.0%+5d)
Diode Check	Open circuit voltage 3V dc; Test current 0.3mA typical.		
Continuity Test	Threshold 35Ω, Continuity Beeper 2kHz		

Size(HxWxD): 170mm x 79mm x 50mm

Weight: 366g

Accessories: Test leads, type K temperature Probe, Inductive pick-up, 9V battery and gift box with carrying case.

AT-9955 Automotive Digital Multimeter With IR Laser Thermometer

Automotive Digital Multimeter provides multi-functions:

- RPM measurement for automotive engines with 2 to 10 Cylinders using the inductive Pick-up.
- Oversized high contrast 4000 counts LCD display with backlight
- 14 Functions including DCV, ACV, DCA, ACA, Resistance, RPM (Tach), Dwell angle, Duty cycle, Frequency, Temperature (IR Temperature) (°C/°F), Capacitance, Continuity and Diode Check.
- Read pulse duty cycle and dwell angle for electronic fuel injection feedback carburetors, and ignition
- Data Hold, Relative functions/ Auto Power Off
- Fused current inputs and Overload protection on all ranges.
- Measures Milliseconds pulse width to test on-time of fuel injectors, idle air control motors, and electronic transmission controls.

IP67 Dust and water proof

Automotive Digital Multimeter With IR Laser Thermometer



Model AT-9955

Specifications		
Function	Range	Basic Accuracy
Voltage DC	400mV, 4V, 40V, 400V, 1000V	±(0.5%+2d)
Voltage AC	400mV, 4V, 40V, 400V, 700V	±(0.8%+4d)
Current DC	400uA, 4000uA, 40mA, 400mA, 4A, 20A	±(1.2%+2d)
Current AC	400uA, 4000uA, 40mA, 400mA, 4A, 20A	±(1.5%+4d)
Resistance	400Ω, 4kΩ, 40kΩ, 400kΩ, 4MΩ, 40MΩ	±(0.8%+3d)
RPM(Tach)	600 ~ 4000RPM; 600 ~ 12000RPM(x 10RPM)	±(2.0%+2d)
Dwell Angle	4, 5, 6, 8CYL	±(2.5%+2d)
Duty Cycle	0.1~99.9%	±(1.5%+2d)
Frequency	0.001Hz~9.99MHz	±(2.0%+2d)
Temperature	-20°C ~ 760°C/-4°F ~ 1400°F	±(3.0%+2d)
IR Temperature	-20°C ~ 550°C/-4°F ~ 1022°F	±(3.0%+2d)
Capacitance	40nF, 400nF, 4uF, 40uF, 400uF, 4mF, 40mF	±(3.0%+2d)
Pulse Width	0.1~10mS	±(3.0%+5d)
Diode Check	Open circuit voltage 3V dc; Test current 0.3mA typical.	
Continuity Test	Threshold 30Ω, Continuity Beeper 2kHz	

Size(HxWxD): 182mm x 82mm x 55mm

Weight: 360g

Accessories: Test leads, type K temperature Probe, IR temperature probe (IR-82 optional), Inductive pick-up and 9V battery, Gift box with carrying case.

CF-01/01S/CFCL-01/01S Car Fuse Adapter



Model CF-01S



EMC
EN: 61326

CF-02/02S/03/03S/04/04S Car Current Testers



Model CF-02

Measuring adaptor for easy current detection and measurement of 200mA/20A/30A currents on blade-type be connected to any commercially available by a 4mm-banana plug/pin plug.

Specifications						
MODEL	Fuse Type	1999 Counts LCD Display	Resolution	Banana Plug	Measuring Range	Accuracy
CF-01	20A/ Max-Blade			*	20A/48VDC/AC-10sec.	±2.0% reading
CF-01S	20A/ Mini-Blade			*	20A/48VDC/AC-10sec.	±2.0% reading
CF-02	20A/ Max-Blade	*	10mA		20A/48VDC-10sec.	±(2.0% reading + 2 digits)
CF-02S	20A/ Mini-Blade	*	10mA		20A/48VDC-10sec.	±(2.0% reading + 2 digits)
CF-03	1A/Max-Blade	*	0.1mA		200mA/48VDC	±(1.5% reading + 2 digits)
CF-03S	1A/Mini-Blade	*	0.1mA		200mA/48VDC	±(1.5% reading + 2 digits)
CF-04	30A/Max-Blade	*	100mA		30A/48VDC-10sec.	±(2.0% reading + 2 digits)
CF-04S	30A/Mini-Blade	*	100mA		30A/48VDC-10sec.	±(2.0% reading + 2 digits)

Maximum measuring voltage: 48V max.
Cable length: approx. 75cm

Size(HxWxD): CF-01/01S: 84mm x 30mm x 10mm Weight: 77g
Size(HxWxD): CF-02/02S/03/03S/04/04S: 86mm x 37mm x 28.5mm Weight: 68g

Accessories:
12V battery (CF-02/02S/03/03S/04/04S).



Model CFCL-01

Max-Blade Type

Mini-Blade Type



BT-120

Automotive Battery Tester

Battery Conductance and Electrical System Analyzer can be used to detect 6 volt-12 volt ordinary lead-acid batteries. It can display test results in seconds.

Features

- Test battery testing ranges from 100 to 2000 CCA
- Detect bad cells
- Test deep discharge battery
- Protect against reverse polarity
- Multiple battery rating systems: CCA, JIS, EN, DIN, SAE, IEC
- Provide multilingual languages interface for selection

Size(HxWxD): 168mm x 78mm x 38mm
Weight: 265g



EMC
EN: 61326



Model BT-120

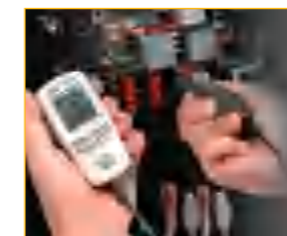
CF-06/08 Automotive Current Testers

Features

- Large 3 1/2 LCD display with bar graph
- Peak hold and Data hold function (CF-08)
- 30 A measurement greater than the current alarm sounds will be issued (CF-08)
- DCA zero for accurate measurement
- Unit with Max/Mini-Blade plug

Specifications

Fuse Type	Resolution	Banana Plug	Measuring Range	Accuracy
CF-06: 30A/Max-Blade	100mA	30A/48V/DC/AC	0-30A ±2.0% reading	
CF-08: 80A/Max-Blade	100mA	80A/48V/DC/AC	0-80A ±2.0% reading	



Size(HxWxD): CF-06/08: 112mm x 45mm x 33mm
Weight: 165g
Size(HxWxD): 165mm x 40mm x 33mm
Weight: 200g



Accessories:
Clamshell and 9V battery.



Model CF-06

Model CF-08



EMC
EN: 61326

True RMS (AT-9950T)



AT-9950DIS/9950T/AT-950A/950B are very versatile automotive meters and can be used for many different diagnostic works on car and truck. Many functions are offered for your choice.

- AT-9950DIS/9950T: RPM (RPM 2 Stroke or 4 Stroke mode active) measurements for automotive engines with the Inductive Pickup
- AT-950B: RPM measurement for automotive engines with the inductive Pickup
- AT-950A: RPM measurements for automotive engines with the test leads
- Read pulse duty cycle and dwell angle for electronic fuel injection feedback carburetors and ignition

Features	9950DIS/9950T	950A	950B
Digital display counts	3200 with Analog Bargraph	2000	2000
AC True RMS	9950T		
Auto ranging	*		
Manual ranging		*	*
Overload protection on all ranges	*	*	*
Data Hold	*		
Low battery indication	*	*	*
Inductive Pick-up	*		*



EMC & LVD
EN: 61326
EN: 61010-1,
EN: 61010-02-031



Specifications				9950DIS/9950T	950A	950B
Function	Max. Range	Resolution	Basic Accuracy			
Voltage DC	600V	0.1mV	±(0.5%+2d)		*	*
	1000V	0.1mV	±(0.5%+2d)	*		
Voltage AC	750V	1mV	±(1.0%+2d)	*		
Current DC	10A	0.1uA	±(1.5%+2d)	*	*	*
Current AC	10A	0.1uA	±(1.5%+2d)	*		
Resistance	32MΩ	0.1Ω	±(2.0%+3d)	32M	20M	20M
RPM (Tach)	12,000RPM	1RPM	±(2.0%+5d)	*	10,000RPM	*
Dwell Angle	2~10CYL	0.1°	±(1.2%+2d)	*	*	*
Frequency	32kHz	0.1Hz	±(1.2%+2d)	*		
Duty Cycle	0.1%~99.9%	0.1%	±(1.2%+2d)	*		
Temperature	760°C/1400°F	0.1°C/°F	±(3.0%+3d)	*		
Diode Test				*	*	*
Continuity Check				*	*	*

Size(HxWxD): AT-9950DIS/9950T : 189mm x 91mm x 31.5mm
AT-950A/AT-950B : 209mm x 43mm x 30mm

Weight: AT-9950DIS/9950T : 280g
AT-950A/AT-950B : 200g

Accessories:

9V Battery, Rubber holster and Inductive pick-up(except AT-950A)

True RMS (AT-9945T)

Large LCD display



Automotive Digital Multimeter provides multi-functions:

- RPM measurement for automotive engines with 2 to 10 Cylinders using the inductive Pick-up
- AT-9945T is True RMS Autoranging Automotive DMM
- Oversized high contrast 4000 counts LCD display with backlight
- 13 Functions including DCV, ACV, DCA, ACA, Resistance, RPM (Tach), Dwell angle, Duty cycle, Frequency, Temperature (°C/°F), Capacitance, Continuity and Diode Check
- Read pulse duty cycle and dwell angle for electronic fuel injection feedback carburetors, and ignition
- Data Hold and Relative functions
- Over-range indication
- Auto Power Off
- Fused current inputs and Overload protection on all ranges
- AT-9945/9945T measures Milliseconds pulse width to test on-time of fuel injectors, idle air control motors, and electronic transmission controls



EMC & LVD
EN: 61326
EN: 61010-1,
EN: 61010-02-031



Specifications		
Function	Range	Basic Accuracy
Voltage DC	400mV, 4V, 40V, 400V, 1000V	±(0.5%+2d)
Voltage AC	400mV, 4V, 40V, 400V, 700V	±(0.8%+4d)
Current DC	400uA, 4000uA, 40mA, 400mA, 4A, 20A	±(1.2%+2d)
Current AC	400uA, 4000uA, 40mA, 400mA, 4A, 20A	±(1.5%+4d)
Resistance	400Ω, 4kΩ, 40kΩ, 400kΩ, 4MΩ, 40MΩ	±(0.8%+3d)
RPM(Tach)	600 ~ 4000RPM; 600 ~ 12000RPM(x 10RPM)	±(2.0%+2d)
Dwell Angle	4, 5, 6, 8CYL	±(2.5%+2d)
Duty Cycle	0.1~99.9%	±(1.5%+2d)
Frequency	0.001Hz~9.99MHz	±(2.0%+2d)
Temperature	-20°C ~ 760°C/-4°F ~ 1400°F	±(3.0%+2d)
Capacitance	40nF, 400nF, 4uF, 40uF, 100uF	±(3.0%+2d)
Pulse Width (9945)	0.1~10mS	±(3.0%+5d)
Diode Check	Open circuit voltage 1.5V dc; Test current 0.3mA typical.	
Continuity Test	Threshold 30Ω, Continuity Beeper 2.7KHz	

Size(HxWxD): AT-205P: 146mm x 66mm x 41.5mm
AT-9945/9945T: 195mm x 92mm x 38mm

Weight: AT-205P: 200g;
AT-9945/9945T: 380g

Accessories:

Rubber holster, Test leads, type K temperature Probe, Inductive pick-up and 9V battery.





CE
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EN: 61326

Model AT-9135

Automotive Circuit Multi-Function Tester is an equipment used to test the automotive electrical system within 12 to 24 volts. It can save the testing hours for the automotive electrical system. It is designed to testing the system without re-connection between the vehicle battery and the testing components.

Functions
Determine the polarity and circuit circumstance (short/open)
Activating the components with positive or negative current without jumper wire
Testing the continuity of the circuit
Digital LCD display with backlight
Locate missing cylinders
Measuring frequency of the high-tension ignition pulses and we could calculate the rotational speed of engine according to the measured frequency
Peak detection
Testing the voltage of the circuit and the voltage reading will be indicated on the LCD display within 1/10th of a volt

Size(HxWxD): 240mm x 78mm x 40mm
Weight:200g



CE
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EN: 61326

Model CF-09

The automotive current short tester can test vehicle's short-circuit current range from 10 to 30 amp with CF-01/CF-01S adapters. LED indicate the circuit range. It is convenient to operate.

Features
Determine the circuit circumstance(short or open)
LED indication
Over-load audible warning
Manual and automatic test function
Measurement current range:10A,15A,20A, 25A, 30A.
Power charge by vehicle battery

Size(HxWxD): 200mm x 78mm x 44mm
Weight:206g
Accessories: CF-01/CF-01S adapter, Gift box.

DT-9010 Automotive Circuit Voltage Tester

Model 9010

Features
Test common automotive circuits up to 12 volts
Bright 360 degree visual indication
Alligator clip connects to ground
Long flexible test lead
Quickly test automotive circuits for proper voltage
Tests auto wiring, fuses, battery source

Size(HxWxD):189mm x 26.5mm x 2.6mm
Weight: 60g



AT-9995 is professional Automotive DMM with RS232 interface, AT-9995E is with wireless USB interface; It can be used for many different diagnostic works on car and truck. Many functions are offered for your choice.

Features

- Oversized high contrast 4000 counts with Bargraph backlight LCD Display
- RPM measurement for automotive engines with 1 to 12 Cylinders using the inductive pick-up
- Data Hold and Relative functions
- Max Hold and Min Hold
- Auto Power Off
- Fused current inputs and overload protection on all ranges

EN 61010-1
CAT III
1000V

CE

EMC & LVD
EN: 61326
EN: 61010-1, EN: 61010-02-031

Wireless USB Interface (RF 433MHz) (AT-9995E)

Large LCD display



Function	Max Range	Basic Accuracy
Voltage DC	400mV, 4V, 40V, 400V, 1000V	±(0.5%+2d)
Voltage AC	400mV, 4V, 40V, 400V, 750V	±(0.8%+4d)
Current DC	400uA, 4000uA, 40mA, 400mA, 4A, 20A	±(1.2%+2d)
Current AC	400uA, 4000uA, 40mA, 400mA, 4A, 20A	±(1.5%+4d)
Resistance	400Ω, 4kΩ, 40kΩ, 400kΩ, 4MΩ, 40MΩ	±(0.8%+3d)
RPM(Tach)	600 ~ 4000RPM; 600 ~ 12000RPM(x 10RPM)	±(2.5%+2d)
Dwell Angle	1CYL, 2CYL, 3CYL, 4CYL, 5CYL, 6CYL, 8CYL, 10CYL, 12CYL	±(2.5%+2d)
Duty Cycle	0.1~99.9%	±(1.5%+2d)
Period	0.1~20mS	±(3.0%+5d)
Pulse Width	0.1~10mS	±(3.0%+5d)
Frequency	30kHz	±(2.0%+2d)
Temperature	-20°C ~ 760°C/-4°F ~ 1400°F	±(3.0%+2d)
Diode Check	Open circuit voltage 1.5V dc typical; Test current 0.3mA typical	
Continuity Test	Threshold 30Ω, Continuity Beeper 2.7kHz	



Size(HxWxD): 197mm x 88.4mm x 41.2mm
Weight: 635g

Accessories :
Rubber holster, Test leads, type K temperature Probe, software, RS-232 cable/USB interface, Pick-up, 9V battery and gift box with carrying case.



TP-5 Tire Pressure Gauge



Model TP-5



- White LED lighted tip helps you find the tire stem easily
- Much easier use than conventional air gauges
- Red pushbutton turns on/ off and units selected
- Measures tire pressures of 5 to 100 pounds per square inch (PSI)
- Press red pushbutton turns on, LCD display 0.00 PSI
- Take the tire gauge spiracle at the tire stem, then the Tire gauge will memorize the maximal pressure value
- Press red pushbutton to select the different units, takes turns as PSI, Kpa, Bar
- Press red pushbutton 5s to turn off the tire gauge

Specifications

Range	5-100PSI
Accuracy	±(1%+0.5)PSI

Size(HxWxD): 156mm x 42mm x 20mm

Weight: 77g

Accessories:

One CR 2032 button battery, clamshell

AT-5 Engine Tachometer

The AT-5 tachometer can measure RPM of engine by bringing it close to plug cord of the engine. This tachometer has many measuring modes for various types of engines like 2 stroke (1 and 4 cylinders), 4 strokes(1, 6 and 8 cylincers). An antenna lead is supplied to use if needed.

- Measuring method count pulses
- RPM display interval 0.5sec
- Accuracy ±10 RPM



Model AT-5



Specifications

Measurable Engine		Measurable RPM Range
Stroke	Cylinder	
2	1	100~20000
4	2	
4	3	100~13000
2	2	100~10000
4	4	
2	3	100~6500
4	6	
4	1	100~20000
4	5	100~7000
2	4	100~4800
4	8	

Size(HxWxD): 156mm x 42mm x 20mm

Weight: 77g

Accessories:

Antenna lead and hang strap, Gift box with carrying case.

Automotive Testers

RT-05 Automotive Relay Tester

Quickly and accurately test 3 terminal electro-mechanical relays for many domestic and imported automobiles. The Automotive relay tester will interrogate and identify an unknown relay terminal configuration then self configure its own internal circuitry to perform all required test functions automatically. The Automotive relay tester can be used to perform the following tests: coil resistance, surge suppression device (resistor or diode), open/closed contact integrity, contact cyclic testing for intermittent failure detection, loaded contact continuity, relay contacts stuck open or closed and time to contact closure and opening. Unit automatically indicates test results with a series on red, green and yellow performance lights.

CE
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EN: 61326



Model RT-05

Specifications

Coil Resistance	20 to 500 ohms (includes any parallel transient suppression resistors)
Coil Test Voltage	9 Volts
Contact Resistance Threshold	200 Milliohms

Size(HxWxD): 128mm x 68mm x 30mm

Weight: 185g

Accessories:

One 9V battery, clamshell

BT-12 Digital Automotive Battery Analyzer

BT-12

AT-05A Automotive Tachometer

Professional digital tachometer measures accurate engine RPM with Inductive Pick-up



AT-05A

CE
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EN: 61326



3 colors LED indicate different conditions

CE
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EN: 61326

AT-05B Automotive Tachometer

RPM measurement for automotive engines with 1 to 8 Cylinders.



CE
EMC
EN: 61326



AT-05B

AT-953



RT-01 Refractometer for Anti-freeze & Battery Fluid testing

CE
EMC
EN: 61326

- Range: Ethylene glycol 1.15-1.30 specific gravity
- Minimum Scale Division: 5°C
- Automatic Temperature
- Compensation range: 10 to 30°C

