

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.



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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 **Accessories :**
Weight: 570g NiMH battery, gift box with carrying case.

Particle Sensor Temp./RH Sensor Camera Sensor GAS Sensor

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
	0 to 100%RH; Basic Accuracy: ±3.5%RH(20~80%RH)
Humidity Range	±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.



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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	2.5,10um	*	*	*
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



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Model 9680

Mini Particle Counter



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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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Bluetooth



Model 96H



Conformance

- ISO 21501-4
- Bluetooth interface
- Wi-Fi connectivity(9891)



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Model 9890

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	9890	9891
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	*
Light source	Laser	*
Count Modes	Cumulative, Differential Concentration	*
Count efficiency	50% @ 0.3μm; >0.45μm 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



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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



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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



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Model PM-125