



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

- 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

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 ±10dgt
Voltage DC	1000V	1V	±0.8%rdg ±3dgt
Resistance	40Ω, 400Ω	0.01Ω, 0.1Ω	±1.5%rdg ±6dgt
Insulation Resistance	4M, 40M, 400M, 4000MΩ	1kΩ~1MΩ	±2.0%rdg ±6dgt
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		



Model 5505



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 ±10dgt
Voltage DC	1000V	1V	±0.8%rdg ±3dgt
Resistance	200Ω, 2000Ω	0.1Ω, 1Ω	±1%rdg ±2dgt
Insulation Resistance	200MΩ, 2000MΩ	100kΩ~1MΩ	±3.5%rdg ±5dgt
	20MΩ(5520 only)	10kΩ	±3.5%rdg ±5dgt
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		



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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



Model 5503

Size(HxWxD): 200mm x 92mm x 50mm
Weight: 546g

Accessories:

Test leads, "AA" Battery x 6 and gift box with carrying case.