

FEATURES

- Large dual display with backlight
- Triple insulation voltage Test Ranges: 200 M Ω /250 V; 200 M Ω /500 V; 2000 M Ω /1000 V
- AC Voltage (40Hz to 400Hz)
- 200 mA short current continuity range
- Test Hold function for easy operation
- Over range indication
- Low battery indication
- Double-moulded plastic housing
- Weight approximately 700 g includes battery

RS PRO Insulation Tester - RS5500 Insulation Tester

RS Stock No.: 1231931



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

RS Pro RS5500 Insulation & Continuity Tester

Insulation resistance testers are used to ensure the insulation of wiring is safe, or undamaged after electrical work has been carried out. Testers or megohmmeters are vital in preventing tripped fuses, electrical equipment and instrument breakdown, risk of electric shock or fires.

RS5500 is a great value digital insulation tester and continuity tester complying with IEC10101, CAT III for measurements performed in building installations. It features a compact light weight design for continuity and portability. Featuring double-moulded plastic housing providing ultimate protection from harsh environments. Also provided with this purchase are test leads, 6 x AA 1.5 V batteries, a plastic carrying case and user manual.

General Specifications

Model Number	RS5500
Tester Type	Insulation Tester
Display type	LCD
Maximum Insulation Resistance Measurement	2GΩ
Insulation Test Range	Triple insulation voltage Test Ranges: 200 MΩ/250 V; 200 MΩ/500 V; 2000 MΩ/1000 V
Insulation Test Voltages	Triple insulation voltage Test Ranges: 200 MΩ/250 V; 200 MΩ/500 V; 2000 MΩ/1000 V
Short-circuit test current Nominal	200 mA
Overload Indication	Yes Number 1 of highest digit is displayed
Applications	for measurements performed in building installations. It features a compact light weight design for continuity and portability.

Electrical Specifications

Power Source	Battery
Battery Type	AA
Low Battery Indication	Yes
Input Impedance	10MΩ
Overload Protection	250Vrms
Short circuit current	≥ 200.0mA

Accuracy Measurement

Output Voltage	Display Range	Resolution	Test Current	Accuracy
125 V (0%~+10%)	0.125 MΩ to 4.000 MΩ	0.001 MΩ	1 mA @ load125 kΩ	± (2 % + 10)
	4.001 MΩ to 40.00 MΩ	0.01 MΩ		± (2 % + 10)
	40.01 MΩ to 400.0 MΩ	0.1 MΩ		± (4% + 5)
	400.1 MΩ to 4000 MΩ	1 MΩ		± (5 % + 5)
250 V (0%~+10%)	0.250 MΩ to 4.000 MΩ	0.001 MΩ	1 mA @ load250 kΩ	± (2 % + 10)
	4.001 MΩ to 40.00 MΩ	0.01 MΩ		± (2 % + 10)
	40.01 MΩ to 400.0 MΩ	0.1 MΩ		± (3% + 5)
	400.1 MΩ to 4000 MΩ	1 MΩ		± (4% + 5)
500 V (0%~+10%)	0.500 MΩ to 4.000 MΩ	0.001 MΩ	1 mA @ load500 kΩ	± (2 % + 10)
	4.001 MΩ to 40.00 MΩ	0.01 MΩ		± (2 % + 10)
	40.01 MΩ to 400.0 MΩ	0.1 MΩ		± (2% + 5)
	400.1 MΩ to 4000 MΩ	1 MΩ		± (4% + 5)
1000 V (0%~+10%)	1.000 MΩ to 4.000 MΩ	0.001 MΩ	1 mA @ load1 MΩ	± (3 % + 10)
	4.001 MΩ to 40.00 MΩ	0.01 MΩ		± (2 % + 10)
	40.01 MΩ to 400.0 MΩ	0.1 MΩ		± (2% + 5)
	400.1 MΩ to 4000 MΩ	1 MΩ		± (4% + 5)

Mechanical Specifications

Dimensions	92 x 50 x 200mm
Length	92mm
Width	50mm
Height	200mm
Weight	582g

Operation Environment Specifications

Altitude	up to 2000 meters
Relative Humidity	80% max.
Minimum Operating Temperature Range	0°C
Maximum Operating Temperature Range	+40°C
Pollution Level	Pollution Degree 2
Storage Temperature Range	-10°C to 60°C (14°F to 140°F) and Humidity below 70% RH

Protection Category

Safety Category Level & Voltage	CAT III 1000 V
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Approvals

Compliance/Certifications	IEC10101
Declarations	RoHS Certificate of Compliance

Similar Products Range

Parameters	1231931	1231934	1611630	1233220
Insulation Test Voltages	Triple insulation voltage Test Ranges: 200 MΩ/250 V; 200 MΩ/500 V; 2000 MΩ/1000 V	Triple insulation voltage Test Ranges: 200 MΩ/250 V; 200 MΩ/500 V; 2000 MΩ/1000 V	125V- 1000V	50V, 100V, 250V, 500V, 1000V
Insulation Test Range	Triple insulation voltage Test Ranges: 200 MΩ/250 V; 200 MΩ/500 V; 2000 MΩ/1000 V	Triple insulation voltage Test Ranges: 200 MΩ/250 V; 200 MΩ/500 V; 2000 MΩ/1000 V		0.01MΩ to 20GΩ
Measurement Range / Resolution	2GΩ	2GΩ	4GΩ	20GΩ
Display type	LCD	LCD	LCD	Auto Backlit Analog Bar Graph Display
Dimensions	92 x 50 x 200mm	92 x 50 x 200mm	96.5 x 60.5 x 220mm	95 x 51.2 x 200mm
Compliance/Certifications	IEC10101	IEC10101	EN61010-1 and IEC61010-1 2nd Edition (2001) to Category IV 600V and Category III 1000V	IEC 61010-1: CAT.IV 600V/CAT.III 1000V
Safety Category Level & Voltage	CAT III 1000 V	CAT III 1000 V	Category IV 600V and Category III 1000V	CAT IV 600 V