

FEATURES

- Meets IEC10101, CATIII 1000V
- Test hold function
- Over range Indication
- Low Battery Indication

RS PRO RS5500, Insulation Tester, 1000V, 2GΩ, CAT III 1000V

RS Stock No.: 123-1931



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

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	200Ω to 2GΩ
Insulation Test Voltages	250V, 500V, 1000V
Short-circuit test current Nominal	1mA
Overload Indication	Yes
Application	Insulation Testing

Electrical Specifications

Power Source	Battery
Battery Type	AA
Low Battery Indication	Yes
Input Impedance	10MΩ
Overload Protection	1000Vrms/ DC
Short circuit current	> 200.0mA

Accuracy Measurement

Output Voltage	Display Range	Resolution	Test Current	Accuracy
125V	0.125MΩ to 4MΩ	0.001MΩ	1mA @ 125kΩ	± (2% + 10)
250V	0.250 MΩ to 4 MΩ	0.001 MΩ	1mA @ 250kΩ	± (2% + 10)
500V	0.500 MΩ to 4 MΩ	0.001MΩ	1mA @ 500kΩ	± (2% + 10)
1000V	1.00 MΩ to 4 MΩ	0.001MΩ	1mA @ 1MΩ	± (3% + 10)

Mechanical Specifications

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

Operation Environment Specifications

Altitude	up to 2000 m
Relative Humidity	≤ 80%
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

Protection Category

Safety Category Level & Voltage	CAT III 1000V
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Approvals

Compliance/Certifications	IEC10101
Declaration	RoHS Certificate of Compliance



2. PARTS & CONTROLS

- 1. Digital Display
- 2. Data Hold Button; MAX/MIN
- 3. Lock Button
- 4. Backlight Button; ZERO
- 5. Test Button
- 6. Rotary Function switch
- 7. V Ω Jack
- 8. COM input jack
- 9. Pothook
- 10. Battery Cover

