

FEATURES

- K-Type thermocouple
- Auto AC/DC voltage detection
- Auto power off
- Dust tight seal with waterproofing
- Ergonomic tilt stand, nail hook
- convenient storage for testing probes

RS PRO IPM245F, Insulation Tester, 1000V, 40M Ω , CAT III 1000V

RS Stock No.: 177-4976



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 testers (or megger tests) 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. The RS PRO insulation tester with multimeter is a highly versatile and reliable kit with multiple features such as auto AC/DC voltage detection, wide resistance capability, true RMS and more. This insulation meter is compact, very robust and features a convenient stand and holders for your remote test probes

General Specifications

Model Number	RS-9985
Tester Type	Insulation Tester
Display type	LCD
Maximum Insulation Resistance Measurement	4GΩ
Insulation Test Range	0.001 Ω to 4GΩ
Insulation Test Voltages	125V to 1000 V
Short-circuit test current Nominal	1mA
Overload Indication	Yes
Applications	Insulation Testing

Electrical Specifications

Power Source	Battery
Battery Type	9V NEDA 1604
Low Battery Indication	Yes
Input Impedance	>10 MΩ V dc & >9 MΩ V ac
Overload Protection	1000Vrms/ DC

Accuracy Measurement

Output Voltage	Display Range	Resolution	Test Current	Accuracy
125V	0.125MΩ to 4MΩ	0.001 MΩ	1 mA @ 125kΩ	± (2% + 10)
250V	0.250MΩ to 4MΩ	0.001 MΩ	1 mA @ 250kΩ	± (2% + 10)
500V	0.500MΩ to 4MΩ	0.001 MΩ	1 mA @ 500kΩ	± (2% + 10)
1000V	1.000MΩ to 4MΩ	0.001 MΩ	1 mA @ 1000kΩ	± (3% + 10)

Operation Environment Specifications

Altitude	2000 meters
Relative Humidity	<80%
Minimum Operating Temperature Range	5°C
Maximum Operating Temperature Range	40°C
Pollution Level	2
Storage Temperature Range	-20°C to 60°C

Protection Category

IP Protection	IP67
Safety Category Level & Voltage	CAT IV 600V / CAT III 1000V

Approvals

Compliance/Certifications	EN61010-1
Declarations	RoHS Certificate of Compliance

