

FEATURES

- K-Type thermocouple reading
- Auto AC/DC voltage detection
- Auto power off
- Dust tight seal with waterproofing

RS PRO RS-9985, Insulation Tester, 1000V, 4GΩ, CAT III 1000V

RS Stock No.: 161-1630



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 me ohmmeters 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 Resistance Tester
Display type	LCD
Maximum Insulation Resistance Measurement	4GΩ
Insulation Test Range	0.001Ω to 4GΩ
Insulation Test Voltages	125V to 1000 V
Short-circuit test current Nominal	1mA
Overload Indication	Yes
Applications	Insulation Testers are used in automotive, electrical installation, DIY

Electrical Specifications

Power Source	Battery
Battery Type	9V NEDA 1604
Low Battery Indication	Yes
Input Impedance	<10MΩ

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)

Mechanical Specifications

Dimensions	96.5mm x 60.5mm x 220mm
Length	96.5mm
Width	60.5mm
Height	220mm
Weight	631g

Operation Environment Specifications

Altitude	7000 ft. (2000 meters) maximum
Relative Humidity	<80%
Minimum Operating Temperature Range	+5°C
Maximum Operating Temperature Range	+40°C
Storage Temperature Range	-20 °C to 60 °C

Protection Category

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

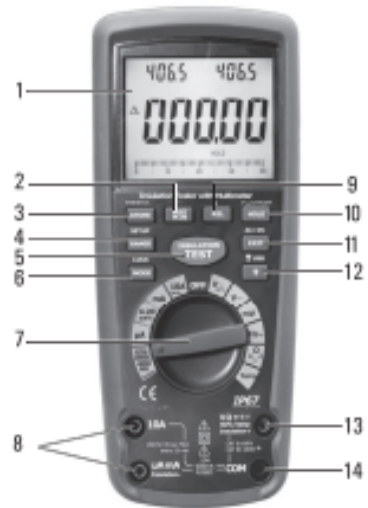
Approvals

Compliance/Certifications	EN61010- 1 / IEC61010-1
Declaration	RoHS Certificate of Compliance



Controls and Jacks

1. 40,000 count LCD display
2. MAX/MIN (⇄) button
3. STORE (< RECALL) button
4. RANGE (SETUP) button
5. INSULATION TEST button
6. MODE button
7. Function switch
8. mA, μ A and 10 A input jacks
9. REL (+) button
10. HOLD (PEAKHOLD >) button
11. EXIT (AC + DC) button
12. Backlight button
13. Positive input jack
14. COM input jack



Note: Tilt stand and battery compartment are on the rear of unit.