

Features

- Insulation tester
- Multimeter functions
- Type K thermocouple probe
- Large LCD screen
- Auto AC/DC detection
- Auto power off
- Auto AC/DC detection
- CAT III & CAT IV safety ratings

RS-9985 1000V CAT III Insulation Tester with Multimeter

RS Stock No.: 161-1630



RS PRO is the own brand of RS. The RS PRO Seal of Approval is your assurance of professional quality, a guarantee that every part is rigorously tested, inspected, and audited against demanding standards. Making RS PRO the Smart Choice for our customers.

Product Description

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.

Supplied with test leads, 6 x AAA batteries and a type K thermocouple probe.

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

Electrical Specifications

Power Source	Battery
Power Source	Battery / Mains
Battery Type	9V
Low Battery Indication	Yes
Input Impedance	<10MΩ

Accuracy Measurement

Output Voltage	Display Range	Resolution	Test Current	Accuracy
125V	0.125MΩ to 4MΩ	00.01 MΩ	1 mA @ 125kΩ	± (2 % + 10)
250V	0.250MΩ to 4MΩ	00.01 MΩ	1 mA @ 250kΩ	± (2 % + 10)
500V	0.500MΩ to 4MΩ	00.01 MΩ	1 mA @ 500kΩ	± (2 % + 10)
1000V	1.000MΩ to 4MΩ	00.01 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 0C to 60 0C

Protection Category

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

Approvals

Compliance/Certifications	EN61010- 1 / IEC61010-1
Declarations	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.

