

## FEATURES

- Large LCD display with backlighting to easily see all the relevant information clearly
- IP67 Rating so it's a dust tight seal with waterproofing
- Auto power off after idle timer has been surpassed to save battery power. This option can be disabled
- Insulation testing: Maximum of 1000V
- Resistance capability from 0.001Ω up to 4000MΩ
- Provided with high quality test equipment so you can use it out of the box
- Auto AC/DC voltage detection
- Ergonomic tilt stand, nail hook and convenient storage for testing probes
- CAT III & CAT IV safety ratings
- K-Type thermocouple reading (Supplied with adaptor)
- True RMS to measure both sinusoidal and non-sinusoidal AC waves

## RS PRO Insulation Tester- Insulation Tester Bundle

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

### RS PRO Insulation Tester with Multimeter & Type-K Probe

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.

## General Specifications

Tester Type	Insulation Resistance Tester
Display type	LCD
Maximum Insulation Resistance Measurement	4GΩ
Applications	Automotive Electrical installation Network maintenance DIY

## Electrical Specifications

Power Source	Battery
Battery Type	1.5 V AAA, 9V NEDA 1604
Low Battery Indication	Yes
Plug Type	- / Type A - North American/Japanese 2-blade/ Type C - European Plug/ Type F - Schuko plug
Input Impedance	>10 MΩ V dc & >9 MΩ V ac
Overload Protection	600Vrms/ DC
Short circuit current	≤1 mA

## Accuracy Measurement

Terminal 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)

1000 V (0%~+10%)	40.01 MΩ to 400.0 MΩ	0.1 MΩ	1 mA @ load1 MΩ	± (2% + 5)
	400.1 MΩ to 4000 MΩ	1 MΩ		± (4% + 5)
	1.000 MΩ to 4.000 MΩ	0.001 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	96.5 x 60.5 x 220mm
Length	96.5mm
Width	60.5mm
Height	220mm
Weight	631g

## Operation Environment Specifications

Altitude	7000 ft. (2000 meters) maximum.
Relative Humidity	Max 80% up to 87°F (31°C) decreasing linearly to 50% at 104°F (40°C)
Minimum Operating Temperature Range	+5°C
Maximum Operating Temperature Range	+40°C
Pollution Level	Degree 2
Storage Temperature Range	-4oF to 140oF (-20oC to 60oC)

## Protection Category

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

## Approvals

Declarations	RoHS Certificate of Compliance
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## Similar Products Range

Parameters	1232237	1233220	1231931	1231934
Insulation Test Voltages	250V, 500V, 1000V	50V, 100V, 250V, 500V, 1000V	250V,500V,1000V	125V,250V,500V,1000V
Insulation Test Range		0.01MΩ to 20GΩ	200 MΩ to 2000 MΩ	

<b>Maximum Insulation Resistance Measurement</b>	<b>4GΩ</b>	<b>20GΩ</b>	<b>2GΩ</b>	<b>4GΩ</b>
<b>Display type</b>	<b>LCD</b>	<b>LCD</b>	<b>LCD</b>	<b>LCD</b>
<b>Dimensions</b>	<b>190 x 140 x 77mm</b>	<b>95 x 51.2 x 200mm</b>	<b>92 x 50 x 200mm</b>	<b>92 x 50 x 200mm</b>
<b>Compliance/Certifications</b>	<b>IEC61557</b>	<b>RoHS Certificate of Compliance</b>	<b>IEC10101</b>	<b>IEC10101</b>
<b>Safety Category Level &amp; Voltage</b>		<b>CAT IV 600 V</b>	<b>CAT III 1000 V</b>	<b>CAT III 1000 V</b>