

## 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 - IIT1500 Insulation Tester

RS Stock No.: 1233220



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.

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. Our rugged insulation tester is also equipped with a large clear LCD display, providing a highly user friendly experience. The RS PRO insulation tester with multimeter also includes k-type probes, ensuring you have everything at hand to get the job done.

## General Specifications

<b>Model Number</b>	<b>IIT1500</b>
<b>Tester Type</b>	<b>Insulation Multimeter</b>
<b>Display type</b>	<b>Auto Backlit Analog Bar Graph Display</b>
<b>Maximum Insulation Resistance Measurement</b>	<b>20GΩ</b>
<b>Insulation Test Range</b>	<b>0.01MΩ to 20GΩ</b>
<b>Insulation Test Voltages</b>	<b>50V, 100V, 250V, 500V, 1000V</b>
<b>Short-circuit test current Nominal</b>	<b>1mA (nominal)</b>
<b>Overload Indication</b>	<b>Yes</b>
<b>Temperature Coefficient</b>	<b>0.15 x (Spec.Accy)/°C, &lt; 18°C or &gt; 28°C</b>
<b>Memory</b>	<b>Yes</b>
<b>Applications</b>	<b>can be used in plenty of scenarios and with it being rugged and packed with features you can bring it on the job, use it easily at work or keep it at home for personal projects</b>

## Electrical Specifications

<b>Power Source</b>	<b>Battery</b>
<b>Battery Type</b>	<b>Alkaline</b>
<b>Battery Life</b>	<b>1100 (times of insulation tests)</b>
<b>Low Battery Indication</b>	<b>Yes</b>
<b>Input Impedance</b>	<b>3MΩ // less than 100pF</b>
<b>Overload Protection</b>	<b>600V rms or dc</b>
<b>Short circuit current</b>	<b>&gt;200.0mA</b>

## Mechanical Specifications

<b>Dimensions</b>	<b>95 x 51.2 x 200mm</b>
<b>Length</b>	<b>95mm</b>
<b>Width</b>	<b>51.2mm</b>
<b>Height</b>	<b>200mm</b>
<b>Weight</b>	<b>630g</b>

## Operation Environment Specifications

<b>Altitude</b>	<b>2000 metres</b>
<b>Relative Humidity</b>	$\leq 10^{\circ} \text{ C}$ Non-condensing $11^{\circ} \text{ C} \sim 30^{\circ} \text{ C}$ ( $\leq 80\% \text{ RH}$ ) $30^{\circ} \text{ C} \sim 40^{\circ} \text{ C}$ ( $\leq 75\% \text{ RH}$ ) $40^{\circ} \text{ C} \sim 50^{\circ} \text{ C}$ ( $\leq 45\% \text{ RH}$ )
<b>Minimum Operating Temperature Range</b>	<b>5°C</b>
<b>Maximum Operating Temperature Range</b>	<b>+50°C</b>
<b>Vibration Resistance</b>	
<b>Shock Resistance</b>	
<b>Pollution Level</b>	<b>Pollution Degree 2</b>
<b>Storage Temperature Range</b>	<b>-20°C to 60°C, 0 to 80% RH (batteries not fitted)</b>

## Protection Category

<b>Safety Category Level &amp; Voltage</b>	<b>CAT IV 600 V</b>
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## Approvals

<b>Compliance/Certifications</b>	<b>IEC 61010-1: CAT.IV 600V/CAT.III 1000V</b>
<b>Declarations</b>	<b>RoHS Certificate of Compliance</b>

## Similar Products Range

Parameters	1231931	1231934	1611630	1233220
Insulation Test Voltages	Triple insulation voltage Test Ranges: 200 MΩ/250 V; 200 MΩ/500 V; 2000 MΩ/1000 V	Triple insulation voltage Test Ranges: 200 MΩ/250 V; 200 MΩ/500 V; 2000 MΩ/1000 V	125V- 1000V	50V, 100V, 250V, 500V, 1000V
Insulation Test Range	Triple insulation voltage Test Ranges: 200 MΩ/250 V; 200 MΩ/500 V; 2000 MΩ/1000 V	Triple insulation voltage Test Ranges: 200 MΩ/250 V; 200 MΩ/500 V; 2000 MΩ/1000 V		0.01MΩ to 20GΩ
Measurement Range / Resolution	2GΩ	2GΩ	4GΩ	20GΩ
Display type	LCD	LCD	LCD	Auto Backlit Analog Bar Graph Display
Dimensions	92 x 50 x 200mm	92 x 50 x 200mm	96.5 x 60.5 x 220mm	95 x 51.2 x 200mm
Compliance/Certifications	IEC10101	IEC10101	EN61010-1 and IEC61010-1 2nd Edition (2001) to Category IV 600V and Category III 1000V	IEC 61010-1: CAT.IV 600V/CAT.III 1000V
Safety Category Level & Voltage	CAT III 1000 V	CAT III 1000 V	Category IV 600V and Category III 1000V	CAT IV 600 V