FEATURES

- Auto Backlit, Dual display

- Auto AC/DC Voltage Detection

- Store/Recall memories

RS PRO IIT1500, Insulation Tester, 1000V, 20GΩ, CAT IV

RS Stock No.: 123-3220

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

Our RS PRO insulation testers are a must-have to any electrician's kit. They have multiple features that make them powerful tools. This insulation meter is compact, very robust and features a shockproof housing to ensure prolonged life. Our rugged insulation tester is also equipped with a large LCD display, a very handy stand and a very convenient test probe holder to keep it neat. Insulation tests are also commonly referred to as 'Megger tests'.

General Specifications

Model Number	IIT1500
Tester Type	Insulation Multimeter
Display type	Auto Backlit Analog Bar Graph Display
Maximum Insulation Resistance Measurement	20GΩ
Insulation Test Range	0.01MΩto 20GΩ
Insulation Test Voltages	50V / 100V / 250V / 500V / 1000 V
Short-circuit test current Nominal	1mA
Overload Indication	Yes
Temperature Coefficient	0.1×(spec. Acc'y)/℃ <18℃, >28℃
Memory	4000 counts
Calibration Available	Yes
Applications	Insulation Testing

Electrical Specifications

Power Source	Battery
Battery Type	AA
Battery Life	1100 (times of insulation tests)
Low Battery Indication	Yes
Input Impedance	3MΩ
Overload Protection	600Vrms/ DC
Short circuit current	> 200.0mA

Accuracy Measurement

Output Voltage	Display Range	Resolution	Test Current	Accuracy
50V	4MΩ to 40MΩ	0.001MΩ	1 mA @ 50kΩ	± (3 % + 5)
250V	4MΩ to 40MΩ	0.001MΩ	1 mA @ 250kΩ	± (3 % + 5)
500V	4MΩ to 40MΩ	0.001MΩ	1 mA @ 500kΩ	± (3 % + 5)
1000V	4MΩ to 40MΩ	0.001MΩ	1 mA @1000kΩ	± (3 % + 5)

Mechanical Specifications

Dimensions	95mm x200mm x 51mm
Length	95mm
Width	51mm
Height	200mm
Weight	630g

Operation Environment Specifications

Altitude	2000 metres
Relative Humidity	≦80% R.H
Minimum Operating Temperature Range	0°C
Maximum Operating Temperature Range	+50°C
Pollution Level	2
Storage Temperature Range	-20°C to 60°C

Protection Category

Safety Category Level & Voltage	CAT IV 600V

Approvals

Compliance/Certifications	EN 61557
Declaration	RoHS Certificate of Compliance

Instrument Description

Front Panel Illustration
1. LCD display: 4000 counts
2. Push-buttons for features
3. Rotary switch to turn the Power On or Off and to select a function
4. Input terminal for Ω function
5. Common (Ground reference) Input terminal for all functions.
6. Input terminal for voltage measurement & insulation test functions

① Display
② Features
Pass Indicator
High Voltage Indicator
③ Functions & Power On/Off
④ Ω Input
⑤ Common Input
⑥ V insulation Input