

INTRODUCTION

Electronic Digital Earth Resistance Tester is direct replacement of the conventional hand generator type tester. It is designed for measurement of the resistance of earthing used in the electrical equipment as well as for measurement of ground resistivity. It can be used for measurements of the other low regular and liquid resistances. It can also be used for measurement of voltage AC, voltage DC and resistance.

This instrument finds wide application for testing earthing installation in power based industries, telecommunication networks and electrical traction systems etc

GENERAL SPECIFICATIONS

Earth resistance range	0 - 20 / 200 / 2000Ω
Display	Large Backlit LCD with dual display
Multimeter function Range	200kΩ, 750V/ACV, 1000V/DCV.
Sampling Rate	2.5 times per second.
Zero Adjustment	Automatic.
Over Range Indicator	Number 1 of highest digit is displayed.
Low Battery Indication	The "BAT" is displayed when the battery Voltage drop below the operating voltage.
Data Hold	To freeze the displayed data
Lock Facility	For continuous hands free operation
Operating Temperature	0°C to 40°C (32°F to 104°F); < 80% RH
Storage Temperature	-10°C to 60°C (14°F to 140°F); < 70% RH
Power source	DC9V (6x1.5V Size "AA" battery or Equivalent)
Dimensions	200(L) x 92(W) x 50(H) mm
Weight	Approx 700g include battery
Accessories	4 sets Test kits, 4pcs iron rods, 6pcs battery, Hard Carrying Case, manual.
Optional Accessories	Re-chargeable Battery and battery charger
Electrical Specifications	Accuracies are specified in the way: ± (...% of reading +...digits) at 23°C ± 5°C, below 80% RH.



TECHNICAL SPECIFICATIONS

Earth resistance

Range	Resolution	Accuracy
20Ω	0.01Ω	+(3%+0.1Ω)
200Ω	0.1Ω	+(3%+3d)
2000Ω	1Ω	+(3%+3d)

OHMS

Range	Resolution	Accuracy	Overload Protection
200kΩ	0.1kΩ	+(1%+2)	250Vrms

DC Voltage

Range	Resolution	Accuracy	Input Impedance	Overload Protection
1000V	1V	+(0.8%+3)	10MΩ	1000Vrms

AC Voltage (40Hz~400Hz)

Range	Resolution	Accuracy	Input Impedance	Overload Protection
750V	1V	+(1.2%+10)	10MΩ	750Vrms

Note: Specifications are subject to change, Photos shown above are Indicative, Actual Product can Vary.

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