

## 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

**RE-CHARGEABLE BATTERY AND BATTERY CHARGER IS AVAILABLE ONLY IN MODEL ERT-1502R**

## GENERAL SPECIFICATIONS

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

\*Technical Specifications & Appearance are subject to change without prior notice