

**INTRODUCTION**

The Metravi ERT-1501 is an electronic, digital, earth resistance tester and a direct replacement or the conventional hand generator type tester for 0 – 10 / 100 / 1000Ω, and features 4 Terminals with a Testing Kit and Cables in a hard carrying case.

The device measures Earthing used in electrical equipment as well as Ground Resistivity. It can also be used for measurements of the other low regular and liquid resistances, as well as AC Voltage, DC Voltage and Resistance.

The tester finds wide application for testing earthing installations in industries like Power, Telecommunications and Electrical Traction Systems.

**Rechargeable battery option is available at extra cost.**



**GENERAL SPECIFICATIONS**

- Earth resistance range** 0 - 10 / 100 / 1000Ω
- 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 "⚡" 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 |
|-------|------------|----------|
| 10Ω   | 0.01Ω      | ±(3%+1Ω) |
| 100Ω  | 0.1Ω       | ±(3%+3d) |
| 1000Ω | 1Ω         | ±(3%+3d) |

**OHMS**

| Range | Resolution | Accuracy | Overload Protection |
|-------|------------|----------|---------------------|
| 200kΩ | 0.1kΩ      | ±(1%+2d) | 250VRMS             |

**DC Voltage**

| Range | Resolution | Accuracy   | Input Impedance | Overload Protection |
|-------|------------|------------|-----------------|---------------------|
| 1000V | 1V         | ±(0.8%+3d) | 10MΩ            | 1000 VRMS           |

**AC Voltage (40Hz~400Hz)**

| Range | Resolution | Accuracy    | Input Impedance | Overload Protection |
|-------|------------|-------------|-----------------|---------------------|
| 750V  | 1V         | ±(1.2%+10d) | 10MΩ            | 750 VRMS            |

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