

# Earth Resistance & Resistivity Tester



**Model: 94236**



The BEHATEST Earth 94236 is a handy test and measurement instrument for testing Earth resistance and Soil resistivity.

Memory save Available store up to 200 readings, Optical RS-232 to USB data transmission to PC.

The tester has been designed and tested according to EN 61010-1, EN 61326-1, EN 61557-1, EN 61557-5 and other safety standards.

**RE: 0~2000Ω**

**Auto-calculation  $\rho$ : 0.06~628 kΩ.m**

**Memory save: 200 measurements**

**Optical RS-232 to USB data transmission.**

## Features:

- 2 Lines x 16 Characters large LCD.
- 2-wire test, 3-wire test, 4-wire test.
- Auto-ranging microprocessor controlled.
- PC interface connection & operation.
- Optical RS-232 USB to data transmission.
- Earth testing at 20Ω, 200Ω, 2000Ω.
- Earth voltage measuring : 0~300V AC.
- Earth resistivity ( $\rho$ ) test.
- Automatic C spike check.
- Automatic P spike check.
- Auto power off.
- Data hold.
- Memory save feature (up to 200 measurements)
- Interval between auxiliary earth spikes is 1.0~50.0m.
- CAT IV 300V
- IEC/EN 61010-1  
IEC/EN 61326-1  
IEC/EN 61557-1  
IEC/EN 61557-5

## Technical Data:

|   |  |
|---|--|
| Measuring Ranges                            | Earth Resistance: 0~20Ω / 0~200Ω / 0~2000Ω   |
|   | Earth Voltage: 0~300.0V/AC   |
| ( $\rho = 2 \times \pi \times L \times R$ ) | Earth Resistivity: 0.06~6.28 kΩ.m<br>0.62~62.8 kΩ.m<br>6.28~628 kΩ.m               |
| Accuracy                                    | Earth Resistance: $\pm (2\%rdg+3digits)$<br>Earth Voltage: $\pm (2\%rdg+3digits)$  |
| Resolution                                  | 0~20Ω: 0.01Ω<br>0~200Ω: 0.1Ω<br>0~2000Ω: 1Ω  |
| Measurement System                          | Earth resistance by constant current inverter 820Hz approx. 2mA                    |
| Memory save                                 | 200 measurements   |
| Temperature & Humidity                      | Operating: 0°C ~50°C / $\leq 80\%$ R.H.<br>Storage: -10°C ~60°C / $\leq 80\%$ R.H. |
| Power supply                                | 8 x 1.5 V, IEC LR6   |
| Dimensions                                  | 250 x 190 x 110 mm   |
| Weight                                      | Approx. 1.5kg (battery included)   |
| Safety Standards                            | CAT IV 300V<br>IEC/EN 61010-1<br>IEC/EN 61557-1<br>IEC/EN 61557-5                  |

## Scope of Supply:

- 1 pc BEHATEST Earth 94236
- 1 pc Data transmission cable USB to RS-232
- 1 pc Software Compact disk (CD) for PC interface
- 1 set Test leads (red-15m, black-10m, yellow-10m green-5m)
- 1 set Auxiliary earth spike x 4
- 1 pc Instruction manual
- 1 pc Carrying case
- 8 pc Batteries 1.5V, IEC LR6