

MS2307 ADVANCED EARTH /GROUND TESTER

- Most advanced technique of direct, safe and quick testing of grounding conditions, test voltage at 20V or 48V and frequency at 94 /105 /111 /128 Hz selectable manually or automatically
- Current clamps for measuring earth resistance without breaking grounding connection
- Double clamps without auxiliary electrode for fast measurement of grounding resistance
- 2-pole method for measuring DC /AC resistance
- 3 or 4-pole method for measuring earth resistance
- 4-pole method for measuring soil resistivity
- **Auto Frequency Control (AFC)**: automatically identify the interference frequencies and select the proper test frequency, the affect of interference voltage is farthest reduced
- Automatically measuring the interference voltage and the leakage current, with alarm
- **Data logging**: memories for 100 groups of data
- **USB interface** to computer
- Alarming at limited values set by user
- Clock display, auto power off
- Ideal for electricians and workers in lines of electricity power distribution, telecommunication and architecture ground, etc.
- Safety as per IEC1010-1 Cat.III 300V

Technical specifications

Test frequency: DC, or 94 /105 /111 /128 Hz, AFC
3-pole & 4-pole: AC 20/48V; $0.1 \Omega \sim 30k \Omega$, $\pm 5\%$
3-pole & 4-pole with current clamp:
AC 20/48V; $0.1 \Omega \sim 10k \Omega$, $\pm 5\%$
Double clamps: AC 48V; $0.1 \Omega \sim 150 \Omega$, $\pm 10\%$
R-2-pole: AC 20V; $0.1 \Omega \sim 30k \Omega$, $\pm 5\%$
Rk (wire resistance): AC 20/48V; $0.1 \Omega \sim 30 \Omega$, $\pm 3\%$
Soil resistivity: AC 20 /48V, $0.02 \Omega m \sim 1000k \Omega m$, $\pm 5\%$
Test short current: $\leq 250mA$
Measuring the interference:

Noise voltage: $\pm 1V \sim \pm 50VDC$, $1 \sim 50VAC$, $\pm 5\%$

Noise frequency: $16Hz \sim 400Hz$, $\pm 1\%$

Noise current: $20mA \sim 2A$, $\pm 5\%$

Data storage: 100 groups manually

Display: LCD with backlit, max. reading 9999

Power supply: 1.5Vx10. LR14

Dimensions: $285 \times 230 \times 125mm$, approx. 2.1kg



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