

EARTH CLAMP Tester

Introduction

MS-ERCM10, an advance digital Earth Clamp Tester, adopts a new blk luxury screen and microprocessor, works in the manner of without connecting grounding body and test ground resistance through mutual inductance. It is safe, easy and quick because of no need to disconnect the grounding wire, auxiliary electrode during test the ground system with loop circuit.

It is suitable for measuring grounding resistance of various telecommunications, electric power, meteorology, computer room, oil field, power distribution lines, tower transmission lines, gas stations, factory grounding grids, lightning rods, etc.

Moreover the Earth Clamp Tester is controlled by a microprocessor and can accurately detect ground resistance. It uses fast filtering techniques to minimize interference. Simultaneous data storage and data upload functions.

Advance Features:

- Resistance : $-0.01 \sim 1200\Omega$
- Loop Impedance : $-0.01 \sim 1200\Omega$
- Leakage AC current : $0.00\text{mA} \sim 20\text{A}$
- Fast filtering techniques to minimize interference
- Data hold / storage upto 300 groups
- Fully auto range

Technical Specifications:

- Operating Voltage : DC 6V (4 x AA dry batteries)
- Operating Current : $< 50\text{mA}$
- Measurement Method : mutual inductance
- Resistor Resolution : 0.001Ω
- Current Resolution : 0.01mA
- Jaw Size : $55\text{mm} \times 32\text{mm}$
- $\Omega + A$ sync display : Yes
- Display Mode : 4-digit LCD display, black screen design
- LCD Size : $46\text{mm} \times 29\text{mm}$
- Measure Time : 2 times / sec.
- Alarm Setting : Alarm sound feedback when exceed pre-set value
- Low Battery Indication: Yes
- Auto Power OFF : After 5 minutes when inactive operation
- Insulation Resistance : Above $20\text{M}\Omega$ (500V between circuit and case)
- Pressure Resistance : AC 3700V/rms (between circuit and case)
- External Magnetic Field : $< 40\text{A/m}$
- External Electric Field : $< 1\text{V/m}$
- Data storage: 300 groups in 'MEM' and 'Full' for over flow
- Working temperature and humidity : $-10^\circ\text{C} \sim 40^\circ\text{C}$; below 80%RH
- Storage temperature and humidity: $-20^\circ\text{C} \sim 60^\circ\text{C}$; below 70%RH
- Dimension: $285(\text{L}) \times 85(\text{W}) \times 58(\text{H})$ approx.
- Weight (approx.): 1180 grams (battery included)

- Features and specifications are subject to change without prior notice.



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