

EARTH RESISTANCE CLAMP METER

TECHNICAL DATA

FEATURES

- Resolution of 0.001Ω for low resistance measurements
- Accuracy of $\pm 0.01\Omega$
- Stores up to 99 resistance measurements
- Limit alarm
- User selectable alarm threshold from 1 to 100Ω
- Measures leakage current to 1mA and neutral current to 20A
- 1 second sampling time
- 4-digit, 9999-count LCD
- Display "Hold"
- Doubly insulated conductor clamp for extra security
- Large jaws open to $1.8 \times 1.3"/45 \times 32\text{mm}$
- Includes 3 resistance calibration loops (1Ω , 5Ω and 10Ω), batteries and hard carrying case

SPECIFICATIONS

Resistance Range: $0.01\text{-}0.999\Omega$, $1\text{-}9.99\Omega$, $10\text{-}99.9\Omega$, $100\text{-}199.9\Omega$, $200\text{-}400\Omega$, $400\text{-}600\Omega$, $600\text{-}1200\Omega$

Resolution: 0.001Ω , 0.01Ω , 0.1Ω , 1Ω , 5Ω , 10Ω , 20Ω

Accuracy: $\pm(1.5\% + 0.01\Omega)$, $\pm(1.5\% + 0.1\Omega)$, $\pm(2.0\% + 0.3\Omega)$, $\pm(3.0\% + 1\Omega)$, $\pm(6.0\% + 5\Omega)$, $\pm(10\% + 10\Omega)$, $\pm(20\% + 20\Omega)$

Current Range: 100mA, 300mA, 1A, 3A, 10A, 20A

Resolution: 0.1mA, 0.3mA, 0.001A, 0.003A, 0.01A, 0.03A

Accuracy: $\pm(1.5\% + 0.01\Omega)$, $\pm(1.5\% + 0.1\Omega)$, $\pm(2.0\% + 0.3\Omega)$, $\pm(3.0\% + 1\Omega)$, $\pm(6.0\% + 5\Omega)$, $\pm(10\% + 10\Omega)$, $\pm(20\% + 20\Omega)$

Max. Test Voltage: 3700V

Overload Protection: 20A rms

Display: 4-digit LCD, 9999 counts

Power Supply: 6 x Ni-Mh AAA batteries 1.2V

Battery Life: 10 to 12 hours of continuous use

Dimensions: 54 x 104 x 276mm

Weight: 1050g, including batteries



ORDERING INFORMATION

MS2301Earth Resistance Clamp Meter

MS2301-NIST.... Earth Resistance Meter & NIST