

# REED

# THE RIGHT SOURCE THE RIGHT SOLUTIONS

## EARTH RESISTANCE CLAMP METER

## TECHNICAL DATA

### FEATURES

- Resolution of  $0.001\Omega$  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  $100\Omega$
- 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 ( $1\Omega$ ,  $5\Omega$  and  $10\Omega$ ), batteries and hard carrying case

### SPECIFICATIONS

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

**Resolution:**  $0.001\Omega$ ,  $0.01\Omega$ ,  $0.1\Omega$ ,  $1\Omega$ ,  $5\Omega$ ,  $10\Omega$ ,  $20\Omega$

**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

**MS2301** .....Earth Resistance Clamp Meter  
**CERTIET1** ..... Accredited Calibration Certificate