



1. ELECTRICAL SPECIFICATIONS

Accuracy is indicated as [% rdg + dgt]. It is referred to the following reference conditions: 23°C ± 1°C with RH < 75%.

AC TRMS Voltage (from 10% to 100% f.s.)

| Range | Resolution | Accuracy (40Hz ÷ 1kHz) | Input impedance | Overload protection |
|-------|------------|---------------------------|-----------------|---------------------|
| 750V | 1V | ±(1.5%rdg + 5dgt) | 10MΩ | 1000VDC / 750 VAC |

AC TRMS Current

| Range | Resolution | Accuracy (50Hz ÷ 60Hz) | Overload protection |
|-------|------------|---------------------------|---------------------|
| 40mA | 0.01mA | ±(1.5%rdg+ 5dgt) | 1A |
| 400mA | 0.1mA | | 10A |
| 4A | 1mA | | 100A |
| 90A | 0.1A | ±(2.0%rdg+ 10dgt) | 400A |

Resistance

| Range | Resolution | Accuracy | Max open voltage | Overload protection |
|-------|------------|------------------|------------------|---------------------|
| 400Ω | 0.1Ω | ±(1.0%rdg+ 2dgt) | 0.35V | 600VACRMS |

Frequency (with test leads)

| Range | Resolution | Accuracy | Max sensitivity | Overload protection |
|-------|------------|------------------|-----------------|---------------------|
| 4kHz | 0.001kHz | ±(0.8%rdg+ 3dgt) | 3Vrms | 600VACRMS2 |
| 30kHz | 0.01kHz | | | |

Continuity test

| Range | Resolution | Buzzer | Max open voltage | Overload protection |
|-------|------------|--------|------------------|---------------------|
| 400Ω | 0.1Ω | R<40Ω | 0.35V | 600VACRMS |



2. GENERAL SPECIFICATIONS

Functions

- Data HOLD and PEAK HOLD features
- PEAK HOLD response time: 100ms

Safety compliance


| | |
|-----------------------|---|
| Comply with: | EN 61010-1, EN61010-032-1 |
| EMC: | EN61326 (1997) + A1 (1998) + A2 (2001) |
| Insulation: | Class 2, Double insulation |
| Pollution degree: | 2 |
| Max altitude: | 2000m |
| Overvoltage category: | CAT II 1000V for Voltage measure CAT III 600V for Voltage measure CAT IV 600V for Current measure |

General

Mechanical characteristics

| | |
|-----------------------------|---------------------------|
| Size: | 250(L) x 85(La) x 46(H)mm |
| Weight (including battery): | about 400g |
| Max conductor size: | 30mm |

Supply

| | |
|-------------------------|---|
| Battery type: | 1 battery 9V NEDA 1604 IEC 6F22 JIS 006P. |
| Low battery indication: | "  " |
| Battery life: | about 200 hours |

Display

| | |
|------------------|---|
| Characteristics: | 3¾ dgt 3999 counts, decimal point, unit symbol indication |
| Sample rate: | 2.5 times/sec |
| Conversion mode: | TRMS |

ENVIRONMENTAL CONDITIONS

Climatic conditions

| | |
|------------------------|-------------|
| Reference temperature: | 23° ± 1°C |
| Operating temperature: | 5 ÷ 40 °C |
| Operating humidity: | <80% RH |
| Storage temperature: | -10 ÷ 60 °C |
| Storage humidity: | <80% RH |

This product conforms to the prescriptions of the European directive on low voltage 2006/95/CEE and to EMC directive 2004/108/CEE