



## 1. ELECTRICAL SPECIFICATIONS

Accuracy is indicated as  $\pm [(\% \text{ reading} + (\text{number of dgt}) * \text{resolution})]$  at  $23^{\circ}\text{C} \pm 5^{\circ}\text{C}$ ,  $<75\% \text{HR}$ 

### DC VOLTAGE

Range	Resolution	Accuracy	Overload protection
0.000 ÷ 340.0mV	0.001mV	$\pm(1.5\% \text{rdg} + 4 \text{dgt})$	720VDC/AC for 10s
0.000 ÷ 3.400V	0.001V		
0.00 ÷ 34.00V	0.01V		
0.0 ÷ 340.0V	0.1V		
0 ÷ 600V	1V		

Impedenza di ingresso:  $10 \text{M}\Omega$ 

### AC VOLTAGE

Range	Resolution	Accuracy (50 ÷ 400Hz)	Overload protection
0.000 ÷ 3.400V	0.001V	$\pm(1.5\% \text{rdg} + 5 \text{dgt})$	720VDC/AC for 10s
0.00 ÷ 34.00V	0.01V		
0.0 ÷ 340.0V	0.1V		
0 ÷ 600V	1V		

Input impedance:  $10 \text{M}\Omega$  ; Frequency range: 50Hz ÷ 400Hz

### DC CURRENT (with integrated clamp sensor)

Range	Resolution	Accuracy	Overload protection
0.0 ÷ 60.0A	0.1A	$\pm(2.0\% \text{rdg} + 5 \text{dgt})$	72A AC/DC for 10s

### AC CURRENT (with integrated clamp sensor)

Range	Resolution	Accuracy	Overload protection
0.0 ÷ 60.0A	0.1A	$\pm(2.0\% \text{rdg} + 5 \text{dgt})$	72A AC/DC for 10s

Frequency range: 50Hz ÷ 60Hz

### RESISTANCE

Range	Resolution	Accuracy	Overload protection
0.0 ÷ 340.0 $\Omega$	0.1 $\Omega$	$\pm(1.0\% \text{rdg} + 3 \text{dgt})$	720VDC/AC for 10s
0.000 ÷ 3.400k $\Omega$	0.001k $\Omega$		
0.00 ÷ 34.00k $\Omega$	0.01k $\Omega$		
0.0 ÷ 340.0k $\Omega$	0.1k $\Omega$	$\pm(5.0\% \text{rdg} + 5 \text{dgt})$	
0.000 ÷ 3.400M $\Omega$	0.001M $\Omega$	$\pm(15.0\% \text{rdg} + 5 \text{dgt})$	

### CONTINUITY TEST

Range	Buzzer	Measurement range	Overload protection
•))	R<30 $\Omega$ ±10 $\Omega$	Buzzer on in 340 $\Omega$ range	720VDC/AC for 10s

### FREQUENCY

Type of measure	Range	Accuracy	Resolution	Overload protection
Current	0 ÷ 10kHz	$\pm(0.1\% \text{rdg} + 1 \text{dgt})$	0.001k±0.01M	72A AC/DC for 10s
Voltage	0 ÷ 300kHz			720VDC/AC for 10s

Minimum measured current: 15A ; Minimum measured voltage: 30V



## 2. GENERAL SPECIFICATIONS

**Display:**

- LCD, 3 ¾ dgt, 3400 points plus sign, decimal point and bargraph
- Automatic polarity indication
- "OL" overrange indication

**Features:**

- Data HOLD
- Auto / Manual range
- Auto Power OFF after 10 minutes of idleness

**Low battery indication:**

- " **BATT** " appears when the battery voltage is low

**Operating temperature:**

- 0°C to 40°C, <75%HR

**Storage temperature:**

- -20°C to 60°C, <85%HR

**General information:**

- Max altitude: 2000m
- Pollution degree: 2
- Insulation: double insulation
- Max diameter conductor: 6mm

**Power supply:**

- 2x1.5V alkaline batteries type AAA LR03 UM-4

**Dimensions:**

- 128(L) x 87(W) x 24(H)mm

**Weight (included battery):**

- 210g

**Applied standards:**

- Safety: IEC/EN61010-1, IEC/EN61010-2-031, IEC/EN61010-2-032
- Category of measurement : CAT III 300V , CAT II 600V

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