



1. ELECTRICAL SPECIFICATIONS

Accuracy is given as \pm (% of reading + no. of least significant digits) at 23°C \pm 5°C, <80% RH

DC VOLTAGE

Range	Resolution	Accuracy	Input impedance	Overload protection
400.0mV	0.1mV	$\pm(1.0\%rdg+3dgt)$	>100M Ω	1000Vrms (1 minute)
4.000V	1mV	$\pm(1.0\%rdg+2dgt)$	11M Ω	
40.00V	10mV		10M Ω	
400.0V	100mV			
600V	1V			

AC VOLTAGE

Range	Resolution	Accuracy 40~400Hz	Input impedance	Overload protection
4.000V	1mV	$\pm(1.5\%rdg+5dgt)$	11M Ω	1000Vrms (1 minute)
40.00V	10mV		10M Ω	
400.0V	100mV			
600V	1V			

Crest factor: ≤ 3

AC CURRENT

Range	Resolution	Accuracy	Overload protection
40.00A	10mA	$\pm(1.5\%rdg+5dgt)$ (50/60Hz)	600A RMS (60 seconds)
400.0A	100mA	$\pm(3.0\%rdg+5dgt)$ (40/400Hz)	

Crest factor: 0.5A – 200A ≤ 3 ; at 300A ≤ 2 ; at 400A ≤ 1.5

RESISTANCE

Range	Resolution	Accuracy	Test current	Overload protection
400.0 Ω	0.1 Ω	$\pm(1.5\%rdg+5dgt)$	$\leq 0.4mA$	300Vrms (1 minute)
4.000k Ω	1 Ω	$\pm(0.7\%rdg+3dgt)$	$\leq 50\mu A$	
40.00k Ω	10 Ω		$\leq 5\mu A$	
400.0k Ω	100 Ω		$\leq 0.5\mu A$	
4.000M Ω	1k Ω	$\pm(1.2\%rdg+5dgt)$	$\leq 50nA$	
40.00M Ω	10k Ω	$\pm(3.0\%rdg+5dgt)$		

CAPACITANCE

Range	Resolution	Accuracy	Open voltage	Overload protection
50.00nF	10pF	$\pm(5.0\%rdg+10dgt)$	1.25V	300Vrms (1 minute)
500.0nF	100pF		0.44V	
5.000 μF	1nF			
50.00 μF	10nF			
100.0 μF	100nF			

**FREQUENCY WITH TEST LEADS**

Range (Hz)	Resolution	Accuracy	Sensitivity	Overload protection
5.00 ÷ 49.99	0.01Hz	±(0.2%rdg+2dgt)	5V (sinusoidal)	600Vrms
50.0 ÷ 499.9	0.1Hz			
0.500k ÷ 4.999k	1Hz			
5.00k ÷ 49.99k	10Hz			

FREQUENCY WITH JAWS

Range (Hz)	Resolution	Accuracy	Sensitivity	Overload protection
5.00 ÷ 49.99	0.01Hz	±(0.2%rdg+2dgt)	5V (sinusoidal)	400Ams
50.0 ÷ 499.9	0.1Hz			
0.500k ÷ 1.000k	1Hz			

DUTY CYCLE

Range	Resolution	Accuracy	Sensitivity	Overload protection
5.0% ÷ 95.0%	0.1%	±(2.0%rdg+3dgt)	5V (square wave)	600Vrms

Frequency range: 40 ÷ 400Hz

DIODE TEST

Range	Resolution	Accuracy	Test voltage
←	1mV	±(5%rdg+5dgt)	<1.7V

Overload protection: 300Vrms (1 minute)

CONTINUITY TEST

Range	Resolution	Accuracy	Buzzer
•))	0.1Ω	±(1.5%rdg+5dgt)	R ≤ 50Ω



2. GENERAL SPECIFICATIONS

Display:

- LCD, 4digits with maximum reading 4000 counts.
- Sampling rate: 3times/s
- Conversion: mean value

Function:

- Data HOLD, MAX, MIN, DIFF

Low battery indicator:

- The " BAT " appears when the battery voltage drops is low

Operating temperature/humidity:

- 0°C a 40 °C, 0 - 80 %HR

Storage temperature/humidity:

- -20°C a 60°C, 0 – 70%HR

General informations:

- Altitude up to 2000m
- Pollution degree: 2
- Insulation: double insulation
- Max. diameter conductor : 27mm

Power supply:

- 2 x 1.5V IEC R03 AAA carbon-zinc or alkaline type batteries
- AutoPowerOFF function for more of 12 minutes of don't work

Dimension:

- 171 (L) x 58 (W) x 27 (H)

Weight (included batteries):

- 140g

Applied standards:

- LVD: IEC/EN 61010-1 CAT III 300V, CAT II 1000V tra gli ingressi e verso terra
- EMC: EN60326

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