



1. ELECTRICAL SPECIFICATIONS

Accuracy is indicated as $\pm [\%rdg + (\text{numbers of digits} \times \text{resolution})]$ at $23^{\circ}\text{C} \pm 5^{\circ}\text{C}$, $<80\%HR$

DC VOLTAGE

Range	Resolution	Accuracy	Input impedance	Overload protection
400.0mV	0.1mV	$\pm(0.7\%rdg+5dgt)$	10M Ω // <100pF	600Vrms
4.000V	0.001V	$\pm(0.6\%rdg+2dgt)$		
40.00V	0.01V			
400.0V	0.1V			
600V	1V	$\pm(0.7\%rdg+5dgt)$		

AC VOLTAGE

Range	Resolution	Accuracy	Frequency	Overload protection
400.0mV	0.1mV	$\pm(0.9\%rdg+5dgt)$	50Hz ÷ 500Hz	600Vrms
4.000V	0.001V	$\pm(1.5\%rdg+5dgt)$		
40.00V	0.01V			
400.0V	0.1V			
600V	1V			

Input impedance: 10M Ω // <100pF

RESISTANCE AND CONTINUITY TEST

Range	Resolution	Accuracy	Buzzer	Overload protection
400.0Ω	0.1Ω	±(0.9%rdg+5dgt)	<50Ω	600Vrms
4.000kΩ	0.001kΩ	±(0.9%rdg+2dgt)		
40.00kΩ	0.01kΩ			
400.0kΩ	0.1kΩ			
4.000MΩ	0.001MΩ	±(1.5%rdg+5dgt)		
40.00MΩ	0.01MΩ			

FREQUENCY

Range	Resolution	Accuracy	Overload protection
0.001Hz $\div$ 5MHz	0.001Hz $\div$ 0.001MHz	$\pm(0.3\%rdg+5dgt)$	600Vrms

Sensitivity: 1.0Vp-p (square wave) ; Vmax: 5.0Vp-p, 240V (50/60Hz)

DUTY CYCLE

Range	Resolution	Accuracy	Overload protection
0.1% $\div$ 99.9%	0.1%	$\pm(0.5\%rdg+3dgt)$	600Vrms

Sensitivity: 1.0Vp-p 30% $\leq$ Duty $\leq$ 70% (square wave) ; Vmax: 5.0Vp-p

CAPACITANCE

Range	Resolution	Accuracy	Overload protection
50.00nF	0.01nF	$\pm(5.0\%rdg+0.2nF)$	600Vrms
500.0nF	0.1nF	$\pm(2.9\%rdg+5dgt)$	
5.000μF	0.001μF		
50.00μF	0.01μF		
100.0μF	0.1μF		



2. GENERAL SPECIFICATIONS

Display:

- LCD display, 4 digit with maximum reading 5000 counts with sign, decimal point
- Automatic polarity indication
- "OL" over range indication

Features:

- Data HOLD
- RANGE for manual range selection
- REL for relative measurement (Capacitance)
- Auto Power OFF after 30 minutes of idleness

Low battery indication:

- The symbol " " appears when the battery voltage is low

Environmental conditions:

- Working temperature/humidity: 0°C ÷ 50°C, <80%HR
- Storage temperature/humidity: -20°C ÷ 60°C, <80%HR

General information:

- Max height of use: 2000m
- Pollution degree: 2
- Insulation: double insulation

Power supply:

- 2 x 1.5V batteries type LR44

Sizes:

- 112(L)x56(W)x12(H) mm

Weight (included batteries):

- 115g

Applied standards:

- Safety: IEC/EN61010-1
- Measurement category: 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