



1. ELECTRICAL SPECIFICATIONS

Accuracy is indicated as $\pm$ (% reading + number of dgt) at 18°C ÷ 28°C, <70%HR

DC VOLTAGE (Autorange)

Range	Resolution	Accuracy	Overload protection
4.000V	0.001V	$\pm(1.2\%rdg+2dgt)$	600VDC/ACrms
40.00V	0.01V		
400.0V	0.1V		
600V	1V	$\pm(1.5\%rdg+2dgt)$	

Input impedance: 7.8M Ω

AC VOLTAGE (Autorange)

Range	Resolution	Accuracy (50 ÷ 400Hz)	Overload protection
4.000V	0.001V	±(1.2%rdg+4dgt)	600VDC/ACrms
40.00V	0.01V	±(1.5%rdg+3dgt)	
400.0V	0.1V		
600V	1V	±(2.0%rdg+4dgt)	

Input impedance: 7.8M Ω

RESISTANCE (Autorange)

Range	Resolution	Accuracy	Overload protection
400.0Ω	0.1Ω	±(1.2%rdg+4dgt)	250VDC/ACrms
4.000kΩ	0.001kΩ	±(1.0%rdg+2dgt)	
40.00kΩ	0.01kΩ	±(1.2%rdg+2dgt)	
400.0kΩ	0.1kΩ		
4.000MΩ	0.001MΩ	±(2.0%rdg+3dgt)	
40.00MΩ	0.01MΩ		

DIODE TEST

Range	Resolution	Accuracy	Open voltage	Overload protection
	1mV	$\pm(10\%rdg+5dgt)$	circa 1.5VDC	250VDC/ACrms

CONTINUITY TEST

Range	Buzzer	Test current	Overload protection
	R<150 Ω	<0.3VmA	250VDC/ACrms

FREQUENCY (Autorange)

Range	Resolution	Accuracy	Sensitivity	Overload protection
5.000Hz	0.001Hz	±(1.5%rdg+5dgt)	>8Vrms	250VDC/ACrms
50.00Hz	0.01Hz			
500.0Hz	0.1Hz	±(1.2%rdg+3dgt)		
5.000kHz	10Hz			
50.00kHz	10Hz			
500.0kHz	100Hz			
5.000MHz	1kHz	±(1.5%rdg+4dgt)		
10.00MHz	10kHz			

Note: on AC Voltage the frequency range is: 10Hz ÷ 10kHz ; Sensitivity: > 15Vrms

**DUTY CYCLE (Autorange)**

Range	Resolution	Accuracy	Sensitivity	Overload protection
0.5 - 99%	0.1%	$\pm(1.2\%rdg + 2dgt)$	>8Vrms	250VDC/ACrms

100 μ s < pulse duration < 100ms ; Frequency range: 5Hz ÷ 150Hz

Note: on AC Voltage the frequency range is: 10Hz ÷ 10kHz ; Sensitivity: > 15Vrms

CAPACITANCE (Autorange)

Range	Resolution	Accuracy	Overload protection
40.00nF	0.01nF	±(5.0%rdg+7dgt)	250VDC/ACrms
400.0nF	0.1nF	±(3.0%rdg+5dgt)	
4.000μF	0.001μF		
40.00μF	0.01μF		
100.0μF	0.1μF	±(5.0%rdg+5dgt)	

TEMPERATURE WITH TYPE K PROBE (Autorange)

Range	Resolution	Accuracy	Overload protection
-20°C ÷ 400°C	0.1°C	±(3.0%rdg+5°C)	250VDC/ACrms
400°C ÷ 760°C	1°C		
-4°F ÷ 752°F	0.1°F	±(3.0%rdg+9°F)	
752F ÷ 1400°F	1°F		



2. GENERAL SPECIFICATIONS

Display:

- LCD, 3 ½ dgt, 4000 points plus sign and decimal point
- Automatic polarity indication
- Backlight
- "OL" overrange indication

Features:

- HOLD
- REL
- AutoPowerOFF after 30 minutes of idleness

Low battery indication:

- "⎓" appears when the battery voltage is low

Operating temperature:

- 0°C to 50°C, <70%HR

Storage temperature:

- -20°C to 60°C, <80%HR

General information:

- Max altitude: 2000m
- Pollution degree: 2
- Insulation: double insulation

Power supply:

- 1x9V battery NEDA 1604 IEC 6F22

Size:

- 138(L)x68(W)x37(H) mm

Weight (included battery):

- 210g

Applied standards:

- LVD: IEC/EN 61010-1 CAT III 600V
- 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