



## 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 $\Omega$

### AC VOLTAGE (Autorange)

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

Input impedance: 7.8M $\Omega$

### RESISTANCE (Autorange)

Range	Resolution	Accuracy	Overload protection
400.0 $\Omega$	0.1 $\Omega$	$\pm(1.2\%rdg+4dgt)$	250VDC/ACrms
4.000k $\Omega$	0.001k $\Omega$	$\pm(1.0\%rdg+2dgt)$	
40.00k $\Omega$	0.01k $\Omega$	$\pm(1.2\%rdg+2dgt)$	
400.0k $\Omega$	0.1k $\Omega$		
4.000M $\Omega$	0.001M $\Omega$	$\pm(2.0\%rdg+3dgt)$	
40.00M $\Omega$	0.01M $\Omega$		

### 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 $\Omega$	<0.3VmA	250VDC/ACrms

### FREQUENCY (Autorange)

Range	Resolution	Accuracy	Sensitivity	Overload protection
5.000Hz	0.001Hz	$\pm(1.5\%rdg+5dgt)$	>8Vrms	250VDC/ACrms
50.00Hz	0.01Hz			
500.0Hz	0.1Hz	$\pm(1.2\%rdg+3dgt)$		
5.000kHz	10Hz			
50.00kHz	10Hz			
500.0kHz	100Hz	$\pm(1.5\%rdg+4dgt)$		
5.000MHz	1kHz			
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 $\mu$ 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	$\pm(5.0\%rdg+7dgt)$	250VDC/ACrms
400.0nF	0.1nF	$\pm(3.0\%rdg+5dgt)$	
4.000 $\mu$ F	0.001 $\mu$ F		
40.00 $\mu$ F	0.01 $\mu$ F		
100.0 $\mu$ F	0.1 $\mu$ F	$\pm(5.0\%rdg+5dgt)$	

**TEMPERATURE WITH TYPE K PROBE (Autorange)**

Range	Resolution	Accuracy	Overload protection
-20°C ÷ 400°C	0.1°C	$\pm(3.0\%rdg+5^{\circ}C)$	250VDC/ACrms
400°C ÷ 760°C	1°C		
-4°F ÷ 752°F	0.1°F	$\pm(3.0\%rdg+9^{\circ}F)$	
752°F ÷ 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