



## 1. ELECTRICAL SPECIFICATIONS

Accuracy is indicated as  $\pm$  (%reading + number of dgt) at  $23^{\circ}\text{C} \pm 5^{\circ}\text{C}$ ,  $<80\%RH$

### DC VOLTAGE

Range	Resolution	Accuracy	Overload protection
200.0mV	0.1mV	$\pm(0.8\%rdg+2dgt)$	600VDC/AC RMS
2.000V	0.001V	$\pm(1.5\%rdg+2dgt)$	
20.00V	0.01V		
200.0V	0.1V		
600V	1V	$\pm(2.0\%rdg+2dgt)$	

Input impedance:  $10M\Omega$

### AC VOLTAGE

Range	Resolution	Accuracy (50 ~ 60Hz)	Overload protection
200.0mV	0.1mV	$\pm(1.5\%rdg+3.5mV)$	600VDC/AC RMS
2.000V	0.001V	$\pm(1.8\%rdg+8dgt)$	
20.00V	0.01V		
200.0V	0.1V		
600V	1V	$\pm(2.5\%rdg+8dgt)$	

Input impedance:  $10M\Omega$

### AC CURRENT

Range	Resolution	Accuracy (50 ~ 60Hz)	Overload protection
2.000A	0.001A	$\pm(2.5\%rdg+10dgt)$	600ARMS
20.00A	0.01A	$\pm(2.5\%rdg+4dgt)$	
200.0A	0.1A		
600.0A	1A	$\pm(4.0\%rdg+8dgt)$	

Bandwidth:  $50 \div 60\text{Hz}$

### RESISTANCE AND CONTINUITY TEST

Range	Resolution	Accuracy	Buzzer	Overload protection
200.0 $\Omega$	0.1 $\Omega$	$\pm(1.0\%rdg+4dgt)$	$\leq 150\Omega$	250VDC/AC RMS
2.000k $\Omega$	0.001k $\Omega$	$\pm(1.5\%rdg+2dgt)$		
20.00k $\Omega$	0.01k $\Omega$			
200.0k $\Omega$	0.1k $\Omega$			
2.000M $\Omega$	0.001M $\Omega$	$\pm(2.5\%rdg+3dgt)$		
20.00M $\Omega$	0.01M $\Omega$	$\pm(3.5\%rdg+5dgt)$		

### DIODE TEST

Range	Test current	Open voltage
	0.3mA typical	1.5VDC



## 2. GENERAL SPECIFICATIONS

**Display:**

- LCD, 3 ½ dgt, 2000 points plus sign and decimal point
- Automatic polarity indication
- Backlight

**Measuring rate:**

- 2 times/second
- Conversion: mean value

**Low battery indication:**

- "BAT" appears when the battery voltage is low

**Operating temperature:**

- 5°C to 40°C, <80 %RH

**Storage temperature:**

- -20°C to 60°C, <80%RH

**General information:**

- Max altitude: 2000m
- Pollution degree: 2
- Insulation: double insulation
- Max. diameter conductor: 30mm

**Power supply:**

- 1x9V battery NEDA 1604 IEC 6F22
- AutoPowerOFF after 15 minutes of idleness

**Size:**

- 197(L)x70(W)x40(H) mm

**Weight:**

- 180g (included battery)

**Applied standards:**

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