



## 1. ELECTRICAL SPECIFICATIONS

Accuracy is given as  $\pm$  (% of reading + no. of least significant digits) at  $23^{\circ}\text{C} \pm 5^{\circ}\text{C}$ , with relative humidity Less than 80% R.H.

### DC VOLTAGE

Range	Resolution	Accuracy	Overload protection
600.0mV	0.1mV	$\pm(0.5\%rdg+2dgt)$	1000VDC 750Vrms
6.000V	0.001V		
60.00V	0.01V		
600.0V	0.1V		
1000V	1V		

Input impedance:  $10\text{M}\Omega // \text{less } 100\text{pF}$

### AC VOLTAGE (TRMS)

Range	Resolution	Accuracy (50~500Hz)	Overload protection
600.0mV	0.1mV	$\pm(0.9\%rdg+5dgt)$	1000VDC 750Vrms
6.000V	0.001V		
60.00V	0.01V		
600.0V	0.1V		
750V	1V		

Input impedance:  $10\text{M}\Omega // \text{less } 100\text{pF}$

Crest factor:  $\leq 3$

### DC CURRENT

Range	Resolution	Accuracy	Output voltage	Overload protection
600.0 $\mu\text{A}$	0.1 $\mu\text{A}$	$\pm(1.0\%rdg+2dgt)$	<4mV/ $\mu\text{A}$	600Vrms
6000 $\mu\text{A}$	1 $\mu\text{A}$			
6.000A	1mA		2V max	Fast fuse 10A / 1000V
10A	10mA			

### AC CURRENT (TRMS)

Range	Resolution	Accuracy 50 ~ 500Hz	Output voltage	Overload protection
6.000A	1mA	$\pm(1.5\%rdg+5dgt)$	2V max	Fast fuse 10A / 1000V
10A	10mA			

### RESISTANCE

Range	Resolution	Accuracy	Open voltage	Overload protection
600.0 $\Omega$	0.1 $\Omega$	$\pm(0.7\%rdg+2dgt)$	1.3V	600Vrms
6.000k $\Omega$	0.001k $\Omega$			
60.00k $\Omega$	0.01k $\Omega$			
600.0k $\Omega$	0.1k $\Omega$			
6.000M $\Omega$	0.001M $\Omega$	$\pm(1.0\%rdg+2dgt)$		
60.00M $\Omega$	0.01M $\Omega$	$\pm(1.5\%rdg+2dgt)$		





## FREQUENCY

Range	Resolution	Accuracy	Sensitivity	Overload protection
6000Hz	1Hz	$\pm(0.1\%rdg+1dgt)$	100mVrms	600Vrms
60.00kHz	0.01kHz			
600.0kHz	0.1kHz			
6.000MHz	0.001MHz			
60.00MHz	0.01MHz			
			250mVrms	
			1Vrms	

## CAPACITANCE

Range	Resolution	Accuracy	Overload protection
6.000nF	0.001nF	$\pm(1.9\%rdg+8dgt)$	600Vrms
60.00nF	0.01nF		
600.0nF	0.1nF		
6.000 $\mu$ F	0.001 $\mu$ F		
60.00 $\mu$ F	0.01 $\mu$ F		
600.0 $\mu$ F	0.1 $\mu$ F		
6.000mF	0.001mF		

## DIODE TEST

Range	Resolution	Accuracy	Test current	Open Voltage
	10mV	$\pm(1.5\%rdg+5dgt)$	1.5mA	<3V

Overload protection: 600Vrms

## TEST CONTINUITY

Range	Buzzer	Overload protection
	R<500 $\Omega$	600Vrms



## 2. GENERAL SPECIFICATIONS

### Display:

- LCD display, 4 digit with maximum reading 6000 counts.
- Automatic polarity indication.
- "OL" over range indication

### Features:

- MAX and MIN
- HOLD
- Manual Range selection
- AutoPowerOFF after 10 minutes

### Measuring rate:

- 1.5 times per second.

### Low battery indicator:

- The "  " appears when the battery voltage is low

### Operating temperature:

- 0°C to 30 °C, <80%RH

### Storage temperature:

- -20°C to 60°C, <80%RH

### General informations:

- Altitude up to 2000m
- Pollution degree: 2
- Insulation: class 2 (double insulation)

### Power supply:

- Single 9V alkaline battery type NEDA1604, JIS006P, IEC6F22

### Dimension(with holster):

- 164(L)x82(W)x44(H) mm.

### Weight (included battery):

- 400g

### Applied standards:

- LVD: EN 61010-1 CAT IV 600V – CAT III 1000V
- 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**