



## 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
340mV	0.1mV	$\pm(1.0\%rdg+3gt)$	600V RMS
3.4V	0.001V		
34V	0.01V		
340V	0.1V		
600V	1V		

Input Impedance:  $10\text{M}\Omega$

### AC VOLTAGE

Range	Resolution	Accuracy 50~400Hz	Overload Protection
3.4V	0.001V	$\pm(1.4\%rdg+7dgt)$	600V RMS
34V	0.01V		
340V	0.1V		
600V	1V	$\pm(1.6\%rdg+7dgt)$	

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

### DC CURRENT

Range	Resolution	Accuracy	shunt	Overload Protection
340 $\mu\text{A}$	0.1 $\mu\text{A}$	$\pm(1.2\%rdg+3dgt)$	500 $\Omega$	0.63A/250 V Quick Acting Fuse
3400 $\mu\text{A}$	1 $\mu\text{A}$		50 $\Omega$	
34 mA	0.01 mA		5 $\Omega$	
340 mA	0.1 mA		0.5 $\Omega$	
10 A	0.01A	$\pm(1.5\%rdg+4dgt)$	0.05 $\Omega$	10A/600V Quick Acting Fuse

### AC CURRENT

Range	Resolution	Accuracy 50 ~ 400Hz	shunt	Overload Protection
340 $\mu\text{A}$	0.1 $\mu\text{A}$	$\pm(1.5\%rdg+6dgt)$	500 $\Omega$	0.63A/250 V Quick Acting Fuse
3400 $\mu\text{A}$	1 $\mu\text{A}$		50 $\Omega$	
34 mA	0.01 mA		5 $\Omega$	
340 mA	0.1 mA		0.5 $\Omega$	
10 A	0.01A	$\pm(1.8\%rdg+6dgt)$	0.05 $\Omega$	10A/600V Quick Acting Fuse





## RESISTANCE

Range	Resolution	Accuracy	MAX. Test Voltage	Overload Protection
340Ω	0.1 Ω	±(1.2%rdg+3dgt)	1.2V	600V RMS
3.4kΩ	0.001KΩ		0.45V	
34kΩ	0.01KΩ			
340kΩ	0.1KΩ			
3.4MΩ	1kΩ	±(1.4%rdg+3dgt)		
34MΩ	10kΩ	±(1.8%rdg+3dgt)		

Instant Continuity: Built-in buzzer sounds when resistance is less than 34.5Ω. The buzzer turns off when resistance is greater than 35.0Ω

## DIODE CHECK

Range	Resolution	Accuracy	Test Current	Test Voltage
Diode	1 mV	±(1.5%rdg+2dgt)	approx. 1.65mA	<3V

Overload protection: 600V RMS

## AUDIBLE CONTINUITY TEST

Range	Resolution	Accuracy	Test Voltage
400Ω	0.1 Ω	Built-in buzzer sounds when reading is below approx. 34.5Ω, the buzzer turns off when reading is greater than 35.0Ω.	<3V

Overload protection: 600V RMS



## 2. GENERAL SPECIFICATIONS

### Display:

- The liquid crystal display (LCD) is 4 digits with maximum reading 3,400 counts.
- 35 segments analog bar graph and full annunciator
- Automatic polarity indication.


### Function:

- DCV, ACV, DCA, ACA, OHM, Diode check and Audible continuity tests.

### Measuring rate:

- 2.5 times per second.

### Low battery indicator:

- The "  " appears when the battery voltage drops below 7V±0.5V (approx.).

### Operating temperature:

- 0°C to 40 °C, 0 - 80 % R.H.

### Storage temperature:

- -20°C to 60°C, 0 - 80 % R.H.

### General informations:

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

### Power supply:

- Single standard NEDA1604, JIS006P, IEC6F22 carbon-zinc or alkaline type 9V battery.

### Dimension:

- 36 (H) \* 77 (W) \* 167 (L) mm.

### Weight:

- 300 grams with battery included.

### Applied standards:

- LVD: 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**