

## GENERAL SPECIFICATIONS

- The instrument complies with : EN61010-1.
- Insulation : Class2, Double insulation.
- Overvoltage Category : CATIII 600V.
- Display : 2000 counts LCD display with function indication.
- Polarity : Automatic, (-) negative polarity indication.
- Overrange : "OL" mark indication.
- Low battery indication : The "BAT" is displayed when the battery voltage drops below the operating level.
- Measurement rate : 2 times per second, nominal.
- Auto power off : Meter automatically shuts down after approx. 15 minutes of inactivity.
- Operating Environment : 0 °C to 50 °C (32 °F to 122 °F) at < 70 % RH.
- Storage Temperature : -20 °C to 60 °C (-4 °F to 140 °F) at < 80 % RH.
- For inside use, max height : 2000m
- Pollution degree : 2
- Power : One 9V battery , NEDA 1604, IEC 6F22.
- Dimensions : 150 (H) x 70 (W) x 48 (D) mm
- Weight : Approx. 255g.
- Data Hold : To freeze the displayed data
- Max. Hold : To record the maximum data
- Double Injection molded body
- 500V DC or AC RMS overload protection



## TECHNICAL SPECIFICATIONS

Accuracy is given at 18 °C to 28 °C (65 °F to 83 °F), less than 70 % RH

### DC Voltage (Auto-ranging)

Range	Resolution	Accuracy
200.0mV	0.1mV	±0.5% of rdg ± 2 dgts
2.000V	1mV	±1.2% of rdg ± 2 dgts
20.00V	10mV	
200.0V	100mV	
1000V	1V	±1.5% of rdg ± 2 dgts

Input Impedance: 10MΩ.

Maximum Input: 1000V DC or AC rms.

### AC Voltage (Auto-ranging except 200mV)

Range	Resolution	Accuracy
200.0mV	0.1mV	±1.5% of rdg ± 30 dgts
2.000V	1mV	±1.2% of rdg ± 3 dgts
20.00V	10mV	±1.5% of rdg ± 3 dgts
200.0V	100mV	±2.0% of rdg ± 4 dgts
1000V	1V	

Input Impedance : 10MΩ.

Frequency Range : 50 to 60Hz

Maximum Input : 1000V DC or AC rms.

### DC Current (Auto-ranging for uA and mA)

Range	Resolution	Accuracy
200.0uA	0.1uA	±1.0% of rdg ± 3 dgts
2000uA	1uA	±1.5% of rdg ± 3 dgts
20.00mA	10uA	
200.0mA	100uA	
10A	10mA	±2.5% of rdg ± 5 dgts

Overload Protection: 0.2A / 250V and 10A / 250V Fuse.

Maximum Input: 200mA DC or AC rms on uA / mA ranges, 10A dc or ac rms on 10A range.

### AC Current (Auto-ranging for uA and mA)

Range	Resolution	Accuracy
200.0uA	0.1uA	±1.5% of rdg ± 5 dgts
2000uA	1uA	±1.8% of rdg ± 5 dgts
20.00mA	10uA	
200.0mA	100uA	
10A	10mA	±3.0% of rdg ± 7 dgts

Overload Protection: 0.2A / 250V and 10A / 250V Fuse.

Frequency Range: 50 to 60 Hz

Maximum Input: 200mA DC or 200mA AC rms on uA / mA ranges, 10A DC or AC rms on 10A range.

### Clamp-on Adaptors DC Current (Optional)

Range	Resolution	Accuracy
200A	0.1A	±1.0% of rdg +3dgts
2000A	1A	(meter only, Clamp-on Adaptor accuracy not included)

Sensor: Clamp-on Adaptor (Note: not provided)

Overload protection: 500V DC or AC rms.

200A Range Input sensitivity : 1mV/A

2000A Range Input sensitivity : 1mV/A

### Clamp - on Adaptor AC Current (Optional)

Range	Resolution	Accuracy
200A	0.1A	±1.5% of rdg ±3dgts
2000A	1A	(meter only, Clamp-on Adaptor accuracy not included)

Sensor: Clamp-on Adaptor (Note: not provided)

Frequency Range: 50 to 60 Hz

Overload protection: 500V DC or AC rms..

200A Range Input sensitivity : 1mV/A

2000A Range Input sensitivity : 1mV/A

### OPTIONAL ACCESSORIES:

- Infra-red non contact temperature adaptor to measure temperature from -30°C to 550°C with fixed emissivity of 0.95 and distance to sighting ratio of 8:1. Model TS-03
- Clamp on Current Adaptor to measure current up to 1000A. Model CA-1000D
- Clamp on Current Adaptor to measure upto 200A AC. Model CA-01

### Input Limits

Function	Maximum Input
V DC or V AC	1000V DC or AC
mA DC/AC	200mA DC/AC
A DC/AC	10A DC/AC (30 seconds max every 15 minutes)
Resistance, Diode test, Continuity Temperature	500V DC/AC

### Resistance (Auto-ranging)

Range	Resolution	Accuracy
200.0Ω	0.1Ω	±1.2% of rdg ± 4 dgts
2.000kΩ	1Ω	±1.0% of rdg ± 2 dgts
20.00kΩ	10Ω	±1.2% of rdg ± 2 dgts
200.0kΩ	100Ω	
2.000MΩ	1kΩ	
20.00MΩ	10kΩ	±2.0% of rdg ± 3 dgts

Input Protection: 500V DC or 500V AC rms.

### Temperature

Range	Resolution	Accuracy
-50°C~+1000°C	1 °C	±3% of rdg +5dgts
-58°F~+1832 °F	1°F	±3% of rdg +8dgts

Sensor: Type K Thermocouple

Overload protection: 500V DC or AC rms..

### Diode Test

Test current	Resolution	Accuracy
0.3mA typical	1 mV	±10% of rdg ± 5 dgts

Open circuit voltage: 1.5V DC typical

Overload protection: 500V DC or AC rms.

### Audible continuity

Audible threshold: Less than 100Ω; Test current: <0.3mA

Overload protection: 500V DC or AC rms.

\*Technical Specifications & Appearance are subject to change without prior notice