

## Specifications

<b>The instrument complies with:</b>	EN61010-1
<b>Insulation:</b>	Class2, Double insulation
<b>Overvoltage category:</b>	CATIII 600V, CATII 1000V
<b>Display:</b>	6000 counts LCD display with function indication
<b>Polarity:</b>	Automatic, (-) negative polarity indication
<b>Overrange:</b>	"OL" mark indication
<b>Low Battery Indication:</b>	The "BAT" is displayed when the battery voltage drops below the operating level
<b>Measurement rate:</b>	2 times per second, nominal
<b>Auto power off:</b>	Meter automatically shuts down after approx. 15 minutes of inactivity
<b>Operating environment:</b>	0°C to 50°C (32°F to 122°F) at < 70% relative humidity
<b>Storage Temperature:</b>	-20°C to 60°C (-4°F to 140°F) at <80% relative humidity
<b>For inside use, max height:</b>	2000m
<b>Pollution degree:</b>	2
<b>Power:</b>	One 9V battery, NEDA 1604m IEC 6F22
<b>Weight:</b>	255g
<b>Dimensions:</b>	150 (H) x 70 (W) x 48 (D) mm

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

## Specifications

### DC Voltage

Range	Resolution	Accuracy
600.0mV	0.1mV	$\pm 0.5\%$ of rdg $\pm 2$ dgts
6.000V	1mV	$\pm 1.2\%$ of rdg $\pm 2$ dgts
60.00V	10mV	
600.0V	100mV	
1000V	1V	$\pm 1.5\%$ of rdg $\pm 2$ dgts

**Input Impedance:** 7.8M

**Maximum Input:** 1000V dc or 1000V ac rms

### AC Voltage

Range	Resolution	Accuracy
6.000V	1mV	$\pm 1.2\%$ of rdg $\pm 3$ dgts
60.00V	10mV	$\pm 1.5\%$ of rdg $\pm 3$ dgts
600.0V	100mV	
1000V	1V	$\pm 2.0\%$ of rdg $\pm 4$ dgts

**Input Impedance:** 7.8M

**Frequency Range:** 50 to 60Hz

**Maximum Input:** 1000V dc or 1000V ac rms

### DC Current

Range	Resolution	Accuracy
6A	1mA	$\pm 2.5\%$ of rdg $\pm 5$ dgts
10A	10mA	

**Overload Protection:** 10A / 250V Fuse

**Maximum Input:** 10A dc or ac rms on 10A DC range.

### AC Current

Range	Resolution	Accuracy
6A	1mA	$\pm 3.0\%$ of rdg $\pm 5$ dgts
10A	10mA	

**Overload Protection:** 10A / 250V Fuse

**Frequency Range:** 50 to 60 Hz

**Maximum Input:** 10A dc or ac rms on 10A AC range.

### Resistance

Range	Resolution	Accuracy
600.0	0.1	$\pm 1.2\%$ of rdg $\pm 4$ dgts
6.000k	1	$\pm 1.0\%$ of rdg $\pm 2$ dgts
60.00k	10	$\pm 1.2\%$ of rdg $\pm 2$ dgts
600.0k	100	
6.000M	1k	$\pm 2.0\%$ of rdg $\pm 2$ dgts
60.00M	10k	$\pm 5.0\%$ of rdg $\pm 10$ dgts

**Maximum Input:** 600V dc or 600V ac rms.

### Capacitance (auto-ranging)

Range	Resolution	Accuracy
40.00nF	10pF	$\pm 5.0\%$ of rdg $\pm 50$ dgts
400.0nF	0.1nF	$\pm 3.0\%$ of rdg $\pm 5$ dgts
4.000uF	1nF	
40.00uF	10nF	$\pm 5.0\%$ of rdg $\pm 5$ dgts
400.0uF	0.1uF	
4000uF	1uF	

**Maximum Input:** 600V dc or 600V ac rms.

## Specifications

### Frequency (auto-ranging)

Range	Resolution	Accuracy
9.999Hz	0.001Hz	± 1.5% of rdg ± 5 dgts ± 1.2% of rdg ± 3 dgts
99.99Hz	0.01Hz	
999.9Hz	0.1Hz	
9.999kHz	1Hz	
99.99kHz	10Hz	
999.9kHz	100Hz	
10MHz	1kHz	± 1.5% of rdg ± 4 dgts

**Sensitivity:** >0.5V RMS while ≤ 1MHz;

**Sensitivity:** >3V RMS while > 1MHz;

**Maximum Input:** 600V dc or 600V ac rms.

### Duty Cycle

Range	Resolution	Accuracy
0.1%~99.9%	0.1%	± 1.2% of rdg ± 2 dgts

**Pulse width:** > 100us, < 100ms;

**Frequency width:** 5Hz – 150 kHz

**Sensitivity:** >0.5V RMS

**Maximum Input:** 600V dc or 600V ac rms.

### Clamp-on Adaptors DC Current

Range	Resolution	Accuracy
600A	0.1A	± 1.0% of rdg ± 3 dgts (meter only, Clamp-on Adaptor accuracy not included)

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

**600A Range Input Sensitivity:** 1mV/A

**Overload protection:** 600V dc or ac rms

### Clamp-on Adaptors AC Current

Range	Resolution	Accuracy
600A	0.1A	± 1.5% of rdg ± 3 dgts (meter only, Clamp-on Adaptor accuracy not included)

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

**200A Range Input Sensitivity:** 1mV/A

**Frequency Range:** 50 to 60 Hz

**Overload protection:** 600V dc or ac rms

### Diode Test

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

**Open circuit voltage:** 1.5V dc typical

**Overload protection:** 600V dc or ac rms

### Audible continuity

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

**Overload protection:** 600V dc or ac rms.