

1. GENERAL CHARACTERISTICS

Maximum Display	: 1999 counts(3 1/2 digits) with automatic polarity indication.
Indication Method	: LCD display.
Measuring Method	: Dual-Slope integration A-D converter system.
Overrange Indication	: "1" Figure only in the display.
Maximum common mode voltage	: 500V dc/ac rms.
Reading rate time	: 2-3 reading per sec(approximate).
Temperature for guaranteed accuracy	: 23°C ± 5°C.
Temperature Ranges	: Operating 0°C to 40°C, 32° F to 104° F. Storage -10°C to 50°C, 14° F to 122° F.
Power Supply	: One 9-volt battery (NEDA 1604, 6F22 TYPE or equivalent).
Low Battery Indication	: LO BAT or BAT on the left of display.
Size	: 88W x 172D x 36H mm
Weight	: 340g (including 9 volt batteries).

2. SPECIFICATIONS

Accuracies are ± (%reading+No. of digits) Guaranteed for 1 year, 23°C ± 5°C less than 75% RH.

DC Voltage

Range	Accuracy	Resolution
200 mV	± 0.5% , of rdg + 1 digit	100 μ V
2V		1 mV
20 V		10 mV
200 V		100 mV
1000 V		1 V

1

Input Impedance: 10M ohm on all ranges. Overload Protection: 1000V dc or peak ac on all ranges.
Overload Protection: 200 Vrms AC for 200mV range and 1000 VDC or 700V rms AC for other ranges.

AC Voltage

Range	Accuracy	Resolution
200 mV	± 1.2% , of rdg + 3 digits	100 μ V
2V		1 mV
20 V	± 0.8% , of rdg + 3 digits	10 mV
200 V		100 mV
750 V	± 1.2% , of rdg + 3 digits	1 V

Input Impedance: 10M ohm on all ranges.

Frequency Range: 40Hz to 1kHz.

Overload Protection: 220V rms AC for 200mV range and 1000 VDC or 700V rms AC for other ranges.

Indication: Average (rms of sine wave).

DC Current

Range	Accuracy	Resolution
200 μ A	± 0.8% , of rdg + 1 digit	0.1 μ A
2mA		1 μ A
20 mA		10 μ A
200 mA	± 1.2% , of rdg + 1 digit	100 μ A
2 A		1 mA
20 A, 20 μ A	± 2.0% , of rdg + 5 digits	10 mA, 10 nA

2

Overload Protection: 2A/250V fuse (20A range unfused).

Maximum Input Current: 20A (20A up to 15 seconds).

Measuring Voltage Drop: 200 mV.

AC Current

Range	Accuracy	Resolution
200 μ A	± 1.0% , of rdg + 1 digits	0.1 μ A
2mA		1 μ A
20 mA		10 μ A
200 mA	± 1.8% , of rdg + 1 digits	100 μ A
2 A		1 mA
20 A, 20 μ A	± 3.0% , of rdg + 7 digits	10 mA, 10 nA

Overload Protection: 2A/250V fuse (20A range unfused). Indication: Average (rms of sine wave).

Maximum Input Current: (20A up to 15 seconds).

Measuring Voltage Drop: 200mV

Frequency Range: 40Hz to 1kHz.

Resistance

Range	Accuracy	Resolution
200 ohm	± 0.5% , of rdg + 3 digit	0.1 ohm
2 K ohm		1 ohm
20 K ohm		10 ohm
200 K ohm	± 0.5% , of rdg + 1 digit	100 ohm
2 M ohm		1 K ohm
20 M ohm	± 1.0% , of rdg + 2 digits	10 K ohm

3