



Features

- 3-3/4 digit, 4000 count LCD display
- Auto-ranging measurement with manual ranging (Amps) capability
- MIN/MAX (Peak Hold) (all ranges except Frequency)
- Frequency/Duty Cycle/Data Hold
- Auto power off with manual override
- Detachable Current Probe makes the meter compatible with all kinds of DC mV output adapters
- Built-in test leads storage & magnetic mount
- Backlit display & worklight
- Temperature/Non-Contact Voltage/Dual display
- TRMS measurement
- CATIII 600V Safety protection
- UL-Listed & CE-mark certified
- One Year Warranty

Technical Specifications

General Information

Display	: 3 3/4 digits LCD with max. reading of 4000.
Polarity	: Automatic, (-) negative polarity indication.
Zero adjustment	: Automatic.
Over range indication:	Only the MSD "OL" is displayed.
Power	: 2 x 1.5 volt battery AAA size
Dimension	: 80 (W) x 150 (H) x 40 (D) mm.
Weight	: Approx. 320gms.

Electrical Specification

Accuracies are given as \pm (% of reading + number of least significant digits) at 18°C to 28°C with relative humidity up to 80%, for a period of one year after calibration.

AC Amps Measurement – jaw input (45 to 400Hz)

Range	Resolution	Accuracy	Overload Protection
400A	0.1A	\pm (1.9% Read. + 8dgt)	600V

ADP Measurement

Range	Resolution	Accuracy	Overload Protection
400mV	0.1mV	\pm (0.5% Read. + 4dgt)	30V Max

DC micro Amps Measurement (test lead input)

Range	Resolution	Accuracy	Overload Protection
400 μ A	0.01 μ A	\pm (1.2% Read. + 3dgt)	2000 μ A / 600V
2000 μ A	0.1 μ A		

AC micro Amps Measurement (test lead input, 45 to 400Hz)

Range	Resolution	Accuracy	Overload Protection
400 μ A	0.01 μ A	\pm (2.0% Read. + 5dgt)	2000 μ A / 600V
2000 μ A	0.1 μ A	\pm (1.5% Read. + 5dgt)	

DC Voltage Measurement

Range	Resolution	Accuracy	Overload Protection
400mV	0.1mV	\pm (0.5% Read. + 4dgt)	600V
4V	1mV		
40V	10mV		
400V	100mV		
1000V	1V	\pm (0.8% Read. + 10dgt)	

AC Voltage Measurement (45 to 400Hz)

Range	Resolution	Accuracy	Overload Protection
4V	1mV	\pm (2.0 % Read. + 5dgt)	600V
40V	10mV		
400V	100mV		
750V	1V		

Ohms Measurement

Range	Resolution	Accuracy	Overload Protection
400 Ω	0.1 Ω	\pm (1.0% Read. + 4dgt)	600V
4k Ω	1 Ω		
40k Ω	10 Ω		
400k Ω	100 Ω		
4M Ω	1k Ω		
40M Ω	10k Ω	\pm (2.0% Read. + 4dgt)	

Diode Test

Range	Open circuit voltage	Test Current (Typical)	Overload Protection
2.0V	<3.0V DC	0.25mA	600V

Capacitance Measurement

Range	Resolution	Accuracy	Overload Protection
40nF	0.01nF	±(3.5% Read. + 6dgt)	600V
400nF	0.1nF		
4µF	0.001µF		
40µF	0.01µF		
400µF	0.1µF		
4000µF	1µF		

Frequency Measurement

Range	Resolution	Accuracy	Overload Protection
9.999Hz	0.001Hz	±(0.1% Read. + 4dgt)	600V
99.99Hz	0.01Hz		
999.9Hz	0.1Hz		
9.999KHz	1Hz		
99.99KHz	10Hz		

Minimum frequency : 0.5Hz

Sensitivity : >1.0 Vrms

Temperature Measurement

Range	Resolution	Accuracy	Overload Protection
-30°C to -10°C	0.1°C	±3.0°C	30V
-10°C to 400°C	0.1°C	±1.0% + 2.0°C	

Sensor: K-Type Thermocouple, sensor accuracy not included.

Duty (%) Cycle Measurement

Range	Resolution	Overload Protection
0.1 to 99.9%	±(0.2% per KHz + 0.1%)+ 5 count	600V

0.5Hz to 100KHz (pulse width > 2 µsec)

Continuity Measurement

Open circuit voltage	Threshold	Overload Protection
<2.7V	Approx. <30Ω	600V