



Commemorative Edition True RMS Clamp Meter



Functions

- True RMS
- 600A AC/DC
- 750V AC/1000V DC
- Resistance 60MΩ
- Capacitance 2000μF
- AC/DC microAmps 2000μA
- Dual temperature -328° to 2462°F
- Frequency 99.99kHz
- Duty cycle
- Diode test
- NCV
- Audible continuity
- LRA inrush

Features

- Peak Hold
- Data hold
- Min/Max
- Manual ranging
- Backlight
- Worklight
- Low battery indicator
- Auto power
- Test lead storage
- Magnetic mount
- Battery compartment latches
- Input jack locks
- Detachable clamp head
- 2-Year limited warranty

Includes

- Test leads w/alligator clips
- K-type thermocouples 2
- Zippered pouch
- Batteries 6 (AAA)
- Manual



Applications

Motor or line current
Control voltage or system board voltage checks
Circuit continuity or specified resistance
Motor run or start faults
Ambient or surface temperatures
Flame safe guard
Variable speed drives & supply power



Specifications

AC Current

Range	Resolution	Accuracy	Overload Protection
60A	0.01A	$\pm(2.0\% + 8 \text{ dgts})$	600V RMS
600A	0.1A		

45Hz to 400Hz TRMS

Minimum current for Clamp measurement: 0.3A

DC Current

Range	Resolution	Accuracy	Overload Protection
60A	0.01A	$\pm(2.0\% + 8 \text{ dgts})$	600V RMS
600A	0.1A		

45Hz to 400Hz TRMS

Minimum current for Clamp measurement: 0.3A

AC Volts (45Hz to 400Hz)

Range	Resolution	Accuracy	Overload Protection
600mV	0.1mV	$\pm(1.0\% + 3 \text{ dgts})$	750V RMS
6V	1mV		
60V	10mV		
600V	100mV		
750V	1.0V		

45Hz to 400Hz True RMS

DC Volts

Range	Resolution	Accuracy	Overload Protection
600mV	0.1mV	$\pm(0.5\% + 4 \text{ dgts})$	1000V RMS
6V	1mV		
60V	10mV		
600V	1000mV		
1000V	1V	$\pm(0.8\% + 5 \text{ dgts})$	

45Hz to 400Hz True RMS

DC Low Amps

Range	Resolution	Accuracy	Overload Protection
600 μ A	0.1 μ A	$\pm(1.2\% + 3 \text{ dgts})$	2000 μ A/600V RMS
2000 μ A	1 μ A		

45Hz to 400Hz True RMS

AC Low Amps

Range	Resolution	Accuracy	Overload Protection
600 μ A	0.1 μ A	$\pm(1.2\% + 3 \text{ dgts})$	2000 μ A/600V RMS
2000 μ A	1 μ A		

45Hz to 400Hz True RMS

Resistance

Range	Resolution	Accuracy	Overload Protection
600 Ω	0.1 Ω	$\pm(0.8\% + 3 \text{ dgts})$	600V RMS
6k Ω	1 Ω		
60k Ω	10 Ω		
600k Ω	100 Ω		
6M Ω	1k Ω		
60M Ω	0.01M Ω	$\pm(1.2\% + 3 \text{ dgts})$	

Frequency

Range	Resolution	Accuracy	Overload Protection
99.99Hz	0.01Hz	$\pm(0.1\% + 3 \text{ dgts})$	600V RMS
999.9Hz	0.1Hz		
9.999kHz	1Hz		
99.99kHz	10Hz		

Duty Cycle

Range	Resolution	Accuracy	Overload Protection
1.0 to 99%		$\pm(0.2\% \text{ per kHz} + 0.1\% + 5 \text{ dgts})$	600V RMS

Diode Test

Range	Open Circuit V	Test Current	Overload Protection
3.0V	<3.2V DC	0.25mA	600V RMS

Capacitance

Range	Resolution	Accuracy	Overload Protection
10.00nF	0.01nF	$\pm(3.0\% + 5 \text{ dgts})$	600V RMS
100.0nF	0.1nF		
1.000 μ F	0.001 μ F		
10.00 μ F	0.01 μ F		
100.0 μ F	0.1 μ F		
2000 μ F	1 μ F		

Continuity

Open Circuit V <1.00V	Overload Protection
Threshold Appox. <40 Ω	600V RMS

Temperature

Range	Resolution	Accuracy	Overload Protection
-328°F to 999°F (-200° to 999°C)	0.1°F (0.1°C)	$\pm(1.0\% + 3.6^\circ\text{F})$ $\pm(1.0\% + 2.0^\circ\text{C})$	30V RMS
1000°F to 2462°F (1000° to 1350°C)	0.1°F (0.1°C)	$\pm(1.0\% + 3.0^\circ\text{F})$ $\pm(1.0\% + 2.0^\circ\text{C})$	