

True RMS Dual Display Clamp Meter with Temperature



Functions

- True RMS
- 750V AC
- 1000V DC
- 400A AC
- Temperature range:
-22° to 752°F
(-30° to 400°C)
- Capacitance: 4000μF
- AC/DC low amps: 2000mA
- Frequency 199.9KHz
- Duty cycle: 99%
- Resistance: 40MΩ
- Hi-NCV-Lo
- Diode Test
- Continuity

Features

- Dual Display
- Input jack locks
- Worklight
- Backlit display
- Auto/manual ranging
- Min/Max
- Test lead storage
- Magnetic mount
- User temperature calibration
- Auto power off
- Degree °F or °C
- Low battery indicator
- Test lead holder on clamp
- 2-Year limited warranty



Includes

- Test leads (ATL55)
- K-Type temperature probe
- 2 (AAA) batteries
- Manual
- Pouch

Applications

Measure distorted and non-distorted sine waves
Measure linear electrical loads
Control voltage or system board checks
Circuit continuity or specified resistance
Motor run or fault starts
Quick check of live wires
Diode test malfunctions/ unbroken paths



Specifications

DC Amps - jaw input

Range	Resolution	Accuracy	Overload Protection
400μA	0.01A	± (2.0% +5 dgts)	2000μA/600V RMS
2000μA	0.1A	± (1.5% + 5 dgts)	

DC Low Amps

Range	Resolution	Accuracy	Overload Protection
400μA	0.01μA	± (1.2% +3 dgts)	2000μA/600V RMS
2000μA	0.1μA		

45Hz to 400Hz True RMS (crest factor <3:1)

AC Low Amps - test lead input

Range	Resolution	Accuracy	Overload Protection
400μA	0.01μA	± (2.0% +5 dgts)	2000μA/600V RMS
2000μA	0.1μA	± (1.5% +5 dgts)	

AC Volts

Range	Resolution	Accuracy	Overload Protection
400mV	0.1mV	± (2.0% +5 dgts)	750V RMS
4V	1mV		
40V	10mV		
400V	100mV		
750V	1.0V		

DL389B 45Hz to 1kHz True RMS (crest factor <3:1)

DC Volts

Range	Resolution	Accuracy	Overload Protection
400mV	0.1mV	± (0.5% +4 dgts)	1000V RMS
4V	1mV		
40V	10mV		
400V	0.1V		
1000V	1V	± (0.8% + 10 dgts)	

Resistance

Range	Resolution	Accuracy	Overload Protection
400Ω	100mΩ	± (1.0% +4 dgts)	600V RMS
4kΩ	1Ω		
40kΩ	10Ω		
400kΩ	100Ω		
4MΩ	1kΩ		
40MΩ	10kΩ	± (2.0% +4 dgts)	

Frequency

Range	Resolution	Accuracy	Overload Protection
99.99Hz	0.01Hz	± (0.1% +4 dgts)	600V RMS
999.9Hz	0.1Hz		
9.999kHz	1Hz		
99.99kHz	10Hz		
199.9kHz	100Hz		

Minimum Frequency: 0.5Hz, DC V offset should be zero
Sensitivity: > 10% of each AC volt range except 4V (>20%) range only

Duty Cycle

Range	Accuracy	Overload Protection
0.1 to 99.0%	± (0.2% per kHz +0.1%) +5 dgts	600V RMS

0.5Hz to 100kHz (pulswidth > 2μ sec)

Diode Test

Range	Open Circuit V	Test Current	Overload Protection
2.0V	<1.6V DC	0.25mA	600V RMS

Capacitance

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

Continuity

Open Circuit Voltage	Overload Protection
<0.44V	600V RMS

Threshold approx. <50Ω

Temperature

Range	Resolution	Accuracy	Overload Protection
-22° to 14°F (-30° to -10°C)	0.1°F (0.1°C)	± (1.0% + 5.4°F) ± (1.0% + 3.0°C)	30V RMS
15° to 752°F (-9° to 400°C)		± (1.0% + 3.6°F) ± (1.0% + 2.0°C)	