

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: 4000 μ F
- AC/DC low amps: 2000mA
- Frequency 199.9KHz
- Duty cycle: 99%
- Resistance: 40M Ω
- 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		

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)	