

1000A - True RMS Industrial Clamp Meter

True RMS - Designed for Electricians, MRO & Industrial



Functions

- True RMS
- 1000A AC / DC
- 1000V AC / DC
- Continuity
- Capacitance
- Frequency
- Diode test

Standards

- cETLus Listed and RoHS
- Conforms to IEC61010-2-032
- Rated: CAT IV 600V, CAT III 1000V

Features

- LRA Inrush current measurement
- Data hold
- MIN/MAX
- Relative / DC A Zero mode
- High contrast backlight display
- Auto / Manual ranging
- Magnetic mount
- Bar graph
- Auto power off
- 6' drop durability
- 2 Year limited warranty



RoHS
Compliant

The DL419 is ideal for electricians, MRO & Industrial with the ability to measure AC and DC inductive amps, makes testing generators, compressor pump motors and power converters quick and easy. With its large diameter jaw and 1000V / 1000A range the durable DL419 will always be ready for the job.

Includes



- DL419 True RMS Clamp Meter
- 2 Silicon Test leads
- 2 Alligator clips
- 2 AAA batteries
- Zippered case
- Instruction manual

Specifications

AC Volts Measurement

Range	Resolution	Accuracy	Overload Protection
400mV	0.1mV	± (2.0% + 5 digits)	1000V RMS
4V	1mV		
40V	10mV		
400V	100mV		
1000V	1V		

True RMS: 45Hz to 400Hz

DC Volts Measurement

Range	Resolution	Accuracy	Overload Protection
400mV	0.1mV	± (0.5% + 4 digits)	1000V
4V	1mV		
40V	10mV		
400V	100mV		
1000V	1V	± (0.8% + 10 digits)	

True RMS: 45Hz to 400Hz

Resistance: < 40MΩ

Range	Resolution	Accuracy	Overload Protection
400Ω	0.1Ω	± (1.0% + 4 digits)	600V RMS
4kΩ	1Ω		
40kΩ	10Ω		
400kΩ	100Ω		
4MΩ	1kΩ	± (2.0% + 4 digits)	
40MΩ	10kΩ		

Capacitance (MFD)

Range	Resolution	Accuracy	Overload Protection
40.00nF	0.01nF	± (3.5% + 6 digits)	600V RMS
400.0nF	0.1nF		
4.000uF	0.001μF		
40.00uF	0.01μF		
400.0uF	0.1μF		
4000uF	1μF		

Continuity

Overload Protection	Open Circuit Voltage
600V RMS	< 0.44V

Threshold Approx : < 40Ω

DC Low Amps Measurement - Test lead input

Range	Resolution	Accuracy	Overload Protection
400μA	0.1μA	± (1.2% + 3 digits)	2000μA / 600V RMS
2000μA	1μA		

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

AC Low Amps Measurement - Test lead input

Range	Resolution	Accuracy	Overload Protection
400μA	0.1μA	± (2.0% + 5 digits)	2000μA / 600V RMS
2000μA	1μA	± (1.5% + 5 digits)	

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

Diode Test

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

DC Amps Measurement

Range	Resolution	Accuracy	Overload Protection
40A	0.01A	± (2.5% + 15 digits)	1000V RMS
400A	0.1A	± (1.5% + 8 digits)	
1000A	1A	± (1.5% + 8 digits)	

True RMS: 45Hz to 400Hz

AC Amps Measurement

Range	Resolution	Accuracy	Overload Protection
40A	0.01A	± (2.9% + 15 digits)	1000V RMS
400A	0.1A	± (1.9% + 8 digits)	
1000A	1A	± (1.9% + 8 digits)	

True RMS: 45Hz to 400Hz