



DL419

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	$\pm (2.0\% + 5 \text{ digits})$	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	$\pm (0.5\% + 4 \text{ digits})$	1000V
4V	1mV		
40V	10mV		
400V	100mV		
1000V	1V	$\pm (0.8\% + 10 \text{ digits})$	

True RMS: 45Hz to 400Hz

Resistance: < 40M Ω

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	$\pm (3.5\% + 6 \text{ digits})$	600V RMS
400.0nF	0.1nF		
4.000uF	0.001 μ F		
40.00uF	0.01 μ F		
400.0uF	0.1 μ F		
2000uF	1 μ F		

Continuity

Overload Protection	Open Circuit Voltage
600V RMS	< 0.44V

Threshold Approx : < 40 Ω

DC Low Amps Measurement -Test lead input

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

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

AC Low Amps Measurement -Test lead input

Range	Resolution	Accuracy	Overload Protection
400 μ A	0.1 μ A	$\pm (2.0\% + 5 \text{ digits})$	2000 μ A / 600V RMS
2000 μ A	1 μ A	$\pm (1.5\% + 5 \text{ digits})$	

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	$\pm (2.5\% + 15 \text{ digits})$	1000V RMS
400A	0.1A	$\pm (1.5\% + 8 \text{ digits})$	
1000A	1A	$\pm (1.5\% + 8 \text{ digits})$	

True RMS: 45Hz to 400Hz

AC Amps Measurement

Range	Resolution	Accuracy	Overload Protection
40A	0.01A	$\pm (2.9\% + 15 \text{ digits})$	1000V RMS
400A	0.1A	$\pm (1.9\% + 8 \text{ digits})$	
1000A	1A	$\pm (1.9\% + 8 \text{ digits})$	

True RMS: 45Hz to 400Hz