

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 | | |
| 2000uF | 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