

# CM400 & CM450 400A AC and AC/DC True RMS Clamp Meters

**True RMS provides better accuracy when measuring non-sinusoidal or noisy waveforms**

## Features:

- Captures the instantaneous surge (inrush) current when power equipment is turned on
- 1.2" (30mm) clamp jaw
- Low Pass Filter (LPF) for filtering frequency and harmonic interference when measuring variable frequency drives
- Peak voltage measurement with Min/Max
- Built-in Non-Contact Voltage Detector with LED
- Data Hold freezes the display
- Relative Mode for making comparisons to a stored reference value
- Auto power off with disable
- Built-in flashlight
- Includes test leads, Type K thermocouple bead probe, 3 AAA batteries and carrying case
- 1-year warranty

## Model CM400:

- Measures 400A True RMS AC Current

## Model CM450:

- Measures 400A True RMS AC and DC Current
- DC Zero function

## Applications:

Typically when using a multimeter to measure current, you would have to "break the circuit" and place the meter in series with it, so that voltage and current would pass through it. A clamp meter allows you to easily measure current without breaking the circuit by clamping around a single conductor. This saves time and the circuit will not be damaged.



CM400

CM450

	CM400	CM450
True RMS	√	√
Display counts	4000 count	4000 count
AC Current	400A	400A
ACA Accuracy	±2.5%	±2.5%
DC Current	—	400A
AC/DC Voltage	1000V	1000V
Resistance	40MΩ	40MΩ
Temperature	-4 to 1832°F (-20 to 1000°C)	-4 to 1832°F (-20 to 1000°C)
Capacitance	100mF	100mF
Frequency	100kHz	100kHz
Duty Cycle	20.0 to 80.0%	20.0 to 80.0%
Continuity	<50Ω	<50Ω
Low Pass Filter (LPF)	Yes	Yes
NCV Detector	>90V	>90V
Inrush Current	100ms	100ms
Safety Category	CAT III-600V	CAT III-600V
Dimensions	8.8 x 3 x 1.6" (223.8 x 76.5 x 39.4mm)	8.8 x 3 x 1.6" (223.8 x 76.5 x 39.4mm)
Weight	9.5oz (268.3g)	9.8oz (277.4g)

## Ordering Information:

- CM400 400A AC True RMS Clamp Meter
- CM400-NIST CM400 with Certificate of Traceability to NIST
- CM450 400A AC/DC True RMS Clamp Meter
- CM450-NIST CM450 with Certificate of Traceability to NIST

