

# CM1000 & CM1050 1000A AC & AC/DC True RMS Clamp Meters

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## True RMS Clamp Meter with Inrush current, Low Pass Filter and LoZ

### Features:

- Captures the instantaneous surge (inrush) current when power equipment is turned on
- 1.4" (35mm) clamp jaw
- Low Pass Filter (LPF) for filtering frequency and harmonic interference when measuring variable frequency drives
- LoZ mode for identifying ghost voltages
- 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 CM1000:

- Measures 1000A True RMS AC Current

### Model CM1050:

- Measures 1000A 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.

### Ordering Information:

- CM1000 1000A AC True RMS Clamp Meter
- CM1000-NIST CM1000 with Certificate of Traceability to NIST
- CM1050 1000A AC/DC True RMS Clamp Meter
- CM1050-NIST CM1050 with Certificate of Traceability to NIST



CM1000

CM1050

|                       | CM1000                                 | CM1050                                 |
|-----------------------|--|--|
| True RMS              | √                                      | √                                      |
| Display counts        | 6000 count                             | 6000 count                             |
| AC Current            | 1000A                                  | 1000A                                  |
| ACA Accuracy          | ±2.8%                                  | ±2.8%                                  |
| DC Current            | —                                      | 1000A                                  |
| AC/DC Voltage         | 1000V                                  | 1000V                                  |
| Resistance            | 60MΩ                                   | 60MΩ                                   |
| 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            | 10.0 to 90.0%                          | 10.0 to 90.0%                          |
| Continuity            | <50Ω                                   | <50Ω                                   |
| Low Pass Filter (LPF) | Yes                                    | Yes                                    |
| LoZ                   | Yes                                    | Yes                                    |
| NCV Detector          | >90V                                   | >90V                                   |
| Inrush Current        | 100ms                                  | 100ms                                  |
| Safety Category       | CAT IV-600V                            | CAT IV-600V                            |
| Dimensions            | 9.9 x 3.2 x 1.7" (249 x 81.5 x 42.2mm) | 9.9 x 3.2 x 1.7" (249 x 81.5 x 42.2mm) |
| Weight                | 11.3oz (320g)                          | 11.5oz (327g)                          |

