



English

Product Datasheet

Stock No: 161-1631

True RMS AC Flexible Clamp Meter 3000 A

EN



CAUTIONS

- Improper use of this meter can cause damage, shock, injury or death. Read and understand this user manual before operating the meter.
- Inspect the condition of the test coil and the meter itself for any damage before operating the meter. Repair or replace any damage before use.
- Use great care when making measurements if the voltages are greater than 25 V ac RMS or 35 V dc. These voltages are considered a shock hazard.
- If the equipment is used in a manner not specified by the manufacturer, the protection provided by the equipment may be impaired.
- Do not operate meter while 'Low Battery' warning is on. Replace batteries immediately.

Specifications

Function	Range	Measurement Range	Output Voltage	Accuracy
AC Current 50 - 400Hz True RMS	30 A ac	0.30 A to 30 A	100 mV/A	$\pm(3.0\% + 5 \text{ mV})$
	300 A ac	30 A to 300 A	10 mV/A	$\pm(3.0\% + 3 \text{ mV})$
	3000 A ac	300 A to 3000 A	1 mV/A	$\pm(3.0\% + 3 \text{ mV})$

Note: Accuracy is given as $\pm(\%$ of reading + counts of least significant digit) at 23°C $\pm 5^\circ\text{C}$, with relative humidity less than 80%RH. The measured conductor is placed in the center of the coil.

Output Noise: < 5.5 mV for each range.

Max. output voltage: 5.8 V. If the output voltage is greater than 3 V, the results indicate that the measurement has been out of range and not to be used as indicator assessment.

General Specifications

Power indication	Green LED light
Low Battery indication	Red LED light
Operating Temperature	41°F to 104°F (5°C to 40°C)
Storage Temperature	- 4°F to 140°F (-20°C to 60°C)
Operating Humidity	Max 80% up to 87°F (31°C) decreasing linearly to 50% at 104 °F (40°C)
Storage Humidity	< 80%
Operating Altitude	7000 ft. (2000 meters) maximum.
Battery	1. 5 V "AAA" Size Battery x 2
Safety Standard	EN61010-1, EN61010-2-032, EN61326-1. Overvoltage Category III 1000V and Category IV 600 V, Pollution Degree 2