

# HEME 2000 AC/DC Clip-on Ammeter

282 - 881



## Specification

Current Range	0-2000 Amperes DC or AC peak
Overload Capacity	1000%
Frequency Range	DC to 1kHz
Reading Accuracy (at 23°C 75°F)	±1% of range i.e. ±2A in 0-199.9 Amp range, ±20A in 0-2000 Amp range
Crest Factor (peak/RMS ratio)	Six for stated accuracy
Temperature Coefficient	±0.1% of reading per °C (±0.1% of reading per °F)
Operating Temp	-10°C to +40°C (14°F to +104°F)
Storage Temp	-40°C to +50°C (-40°F to +122°F) with battery removed
Humidity	0-85%Rh
Battery Life	Approximately 1 year of typical use or 30 hours continuous operation
Battery Type	9V PP3 Alkaline (MN1604)
Display	3½ digit LCD, 15mm (5/8ins) high characters
Resolution of Display	0.1 Amp (0-199.9 Amp Range) 1 Amp (0-2000 Amp Range)
Display Facilities	Autoranging (0-199.9 Amps and 0-2000 Amps) low battery, AC symbol, polarity of DC current
Surge Values	Maximum RMS current is digitally stored and indicated on the display
Surge Accuracy	±2% of range (2000A range only)
Surge Response Time	100 milliseconds
Hold Reading	Displayed current is held for approx. 10 seconds to allow disengagement from the conductor
Screening	The instrument is screened against Radio Frequency Interference
Safety	The instrument is tested for use on bare conductors up to 650VAC RMS or 900VDC to earth
Analog Output	Two analog outputs are provided via a socket in the base of the instrument These provide instantaneous and RMS current signals via miniature BNC sockets provided with the instrument
Output	0.5 millivolt per Amp (2000A range only)
Output Burden	1 milliamp
Output Impedance	50 Ohms
Case Material	Lexan Polycarbonate
Conductor Size	Up to 48mm (1 7/8in) circular section, 22mm x 60mm (7/8in x 2 1/4in) rectangular section
Weight	585grams (1 1/4lbs)
Overall Length	260mm (10in)
Overall Width	90mm (3 1/2in)
Overall Depth	70mm (2 3/4in)
Accessories	Carrying case, analog output connector

The HEME 2000 AC/DC Clip-on ammeter uses advanced Hall Effect technology to accurately measure DC and AC true RMS current to 1kHz up to 2000 Amperes peak. Measurements are made without breaking the circuit or disturbing the insulation.

A simple plug-in connection enables the HEME 2000 to be connected to either an oscilloscope, for the display of complex current waveforms, or a chart recorder, for monitoring RMS current. It can be connected to both simultaneously.

## Features

- 1% Accuracy
- Autoranging
- Frequency range DC to 1kHz
- True RMS
- Surge Facility
- Readily copes with the complexity of AC superimposed on DC
- Hold facility

## Applications

- Variable Speed Drives
- Motor Vehicles
- Battery Powered Equipment
- Electric Vehicles
- Electroplating
- Electric Vehicles

HEME International policy is one of continual product improvement and the company reserves the right to revise the above specification without notice.

HEME International produces a range of instruments and devices for measuring electrical parameters. These include Clip-on Current Meters, Clip-on Power Meters, Clip-on Current Probes and Current Transducers covering the range 25A to 100kA.

