

100-2.3t

LH1050

True RMS Clamp-on Power Meter

ACCURATE RUGGED VERSATILE RELIABLE

- *AC and DC clamp on current measurement up to 1000A*
- *W, VA, VAR and power factor measurement, even for distorted waveforms*
- *Built in 3 phase power capability for balanced loads*
- *TRMS and Frequency measurement for current and voltage*
- *Bargraph and digital display for dual parameters*
- *External data logging to a PC*
- *Min, max, average recording and Smart Hold to capture complete data set*
- *IEC1010 Cat III for enhanced safety in hazardous voltage areas*



SPECIFICATION

	AMPS	VOLTS	WATTS	VA	PF	Hz
Ranges (auto-ranging)	400A 1000A	400V, 600V	4kW, 40kW, 400kW, 600kW	4kVA, 40kVA, 400kVA, 600kVA	0.3 cap to 0.3ind	20Hz to 1kHz
Resolution	0.1A 1A	0.1V, 1V	1W, 10W, 100W, 1kW	1VA, 10VA, 100VA, 1kVA	0.01	0.1Hz
Accuracy	±1.5% rdg ±5 dgts	±1% rdg ±5 dgts	±2.5% rdg ±5 dgts	±2.5% rdg ±5 dgts	±3°	40-70Hz±0.5% 30-1000Hz±1%
Max Measurement	1000A AC Pk 1000A DC	600V RMS 600V DC	1200kW	1200kVA	—	1000Hz
Max overload	10,000A	1,000V Pk	10,000kW	10,000kVA	—	10,000A 1,000V Pk

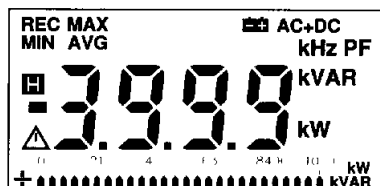
LOGGING

The LH1050 has the capability to save a complete set of readings

A digital output enables continuous logging of all parameters to a personal computer and kWh and Ah measurements

DISPLAY

Size and type
4000-count LCD + 25
segment bargraph
9.5mm / 0.375-inch
characters



POWER SUPPLY

Battery type 9V Alkaline MN1604, PP3
IEC 6LR61 or equivalent

Battery life Typically 15 hours

Note:

All accuracies stated at 23°C ± 1°C (73.4 ± 1.8°F)

MECHANICAL DATA

Dimensions (H x W x D) 251 x 98 x 52mm
9.88 x 3.86 x 2.05 inches

Weight 500 gm / 1.1 lbs

Jaw Capacity 1 x 50mm / 2.0-inch Ø cable or
2 x 30mm / 1.2-inch Ø cable

Jaw Opening 55mm / 2.2 inches

ENVIRONMENTAL DATA

Operating Temperature 0°C to 50°C (40°F to 122°F)

Temperature Coefficient ± 0.1% of reading per °C
± 0.06% of reading per °F

Storage Temperature -20°C to 60°C (-4°F to 140°F)

SAFETY

All models comply with IEC1010-1, 600V working,
Installation category III, Pollution degree 2

MAXIMUM SAFE VOLTAGES

Current Measurement 600V AC RMS or DC between
(bare conductors) uninsulated conductor & ground

Voltage Measurement 600V AC RMS or DC between
input terminals or between live
terminal & local ground

LEM

The LEM group offer a wide range of non-invasive transducers, probes and instrumentation for the measurement and analysis of current, voltage and power

Since the introduction of the world's first digital AC/DC clamp-on ammeter in 1982, LEM HEME has continued to provide innovative test and measurement solutions encompassing current measurement from 5mA to 2,000A

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LEM HEME LIMITED have a policy of continual product improvement and the company reserves the right to revise the above specifications without notice

Distributor

