

# AC/DC Low Current Clamp Meter LH41

- **Autoranging 4,000 A/40,00 A**
- **1 mA Resolution**
- **AC and DC Amps**
- **Compact lightweight design**
- **Display-Hold for convenience in use**
- **DC Auto Zero**
- **Auto Power off**
- **Conformance to IEC1010 and EMC standards**
- **Low battery indicator**



## High Accuracy

Advanced jaw design means that the LH41 clamp accuracy is little affected by external magnetic fields and ensures stable zeroing characteristics for DC measurements.

## Compact Design

The LH41 Clamp Meter is pocket sized and allows easy access to small spaces and difficult to reach conductors.

## Specifications

Ranges (auto-ranging)	4A, 40A
Measurement Methods	AC RMS responding or DC
Resolution	1 mA (4A range) 10 mA (40A range)
Basic Accuracy	$\pm 1.3\%$ of reading $\pm 5$ digits
Maximum measurable load	40A DC or AC peak
Maximum overload	150 Amps

## IEC 1010 and EMC Conformance

IEC 1010 safety features including a tactile barrier and special jaw design provide the user with confidence when making measurements in hazardous voltage areas.

Conformance to EMC standards ensures high reliability through reduced susceptibility to electromagnetic interference.



## FREQUENCY RESPONSE

AC A 40Hz - 400Hz  
DC A DC only

## DISPLAY

Size and type 4000-count LCD  
10mm/0.4-inch characters  
Status indication Low Battery, Polarity  
Refresh rate 3 times per second

## POWER SUPPLY

Battery type 9V Alkaline: MN1604, PP3.  
IEC 6LR61 or equivalent  
Battery life Typically 15 hours  
dependent on duty  
cycle

## MECHANICAL DATA

Dimensions (H x W x D) 184 x 71 x 31mm  
7.24 x 2.80 x 1.22 inch  
Weight 235 gm/0.52lbs  
Jaw Capacity 1 x 19mm/0.75inch  $\varnothing$   
cable

## ENVIRONMENTAL DATA

Operating Temperature 0°C to 50°C (32°F to 122°F)  
Temperature Coefficient (excluding offset)  
 $\pm 0.05\%$  of reading per °C  
 $\pm 0.03$  of reading per °F  
Storage Temperature  
(without battery) -20°C to 60°C (-4°F to 140°F)

## SAFETY

Complies with IEC 1010-1, 300V working  
Installation category III, Pollution degree 2.

## MAXIMUM SAFE VOLTAGE

Current measurement  
(bare conductors) 300V AC RMS or DC between  
uninsulated conductor & ground

## Notes

All accuracies stated at 23°C  $\pm$  1°C (73.4  $\pm$  1.8°F)

## LEM

LEM offers a comprehensive range of electrical test products to ensure the safe and efficient operation of electrical equipment and installations. Other products from the LEM group includes systems and analysers for power quality and power quality monitoring and transducers for current and voltage measurement. LEM provides complete measurement solutions in current, voltage and power quality.

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