

# LEAKAGE CLAMP METER - LC03



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UL, CE CAT II 600V, CAT III 300V

## Features:

- Accurate AC digital clamp meter for leakage current measurement
- AC current measurement: 0 ~ 60A
- AC voltage measurement: 0 ~ 400V
- 10 A ultra high resolution on 40mA range
- Shield transformer jaws to minimize the effect of external stray magnetic field.
- Large jaw with 30 mm diameter.
- ACA Five Ranges (40mA, 400mA, 4A, 40A, 60A) for all application.
- A filter circuit is designed to eliminate the effect of high frequency noise and harmonics for AC current measurement.
- Large 3 3/4 digits LCD
- Fast bargraph display (30 times/sec.) for transient observation.
- Continuity and Frequency measurements.
- Max/Min, Data Hold functions, and Relative Measurement
- Easy single rotary switch for any function selection
- 600V overload protection for ohm measurement

## Electrical Specifications: (23°C±5°C)

### AC Current:

Range	Resolution	Accuracy	
		50/60 Hz	Wide (40 - 1KHz)
40mA	10 A	±1.0%±3dgts	±2.0%±5dgts
400mA	100 A	±1.0%±3dgts	±2.0%±5dgts
4A	1mA	±1.0%±3dgts	±2.0%±5dgts
40A	10mA	±1.0%±3dgts	±2.0%±5dgts
60A (0-50A)	100mA	±1.5%±3dgts	±3.0%±5dgts
60A (50 - 60A) <sup>1</sup>	100mA	±3.0%±5dgts	±3.5%±5dgts

<sup>1</sup> Though the meter can display up to 400A, it is not calibrated beyond 60A.

### AC Voltage:(Input Impedance: 10M )

Range	Resolution	Accuracy		Overload Protection
		50/60 Hz	40 - 1KHz	
400V	0.1V	±1.5%±2dgts	±2.0%±4dgts	AC 800V

### Resistance ( ) and Continuity:(open voltage 0.4V)

Range	Resolution	Accuracy	Beeping	OL Protection
40-400	0.1	±1.0%±2dgts	< 38.0	AC 600V

## General Specifications:

Conductor Size:	30mm max. (approx.)
Battery Type:	two 1.5V SUM-3
Display:	3 3/4 LCD with 40 seg. bargraph
Range Selection:	manual
Overload Indication:	OL
Power Consumption:	15 mA (approx.)
Low battery Indication:	YES
Sampling Time:	3 times/sec. (display) ; 30 times/sec. (bargraph)
Auto-Power-Off:	15 minutes
Operating Temperature:	-10 C to 50 C
Operating Humidity:	less than 85% relative
Storage Temperature:	-20 C to 60 C
Storage Humidity:	less than 75% relative
Altitude:	up to 2000M
Dimension:	210mm (L) x 62.0mm (W) x 35.6mm (H) ; 8.3" (L) x 2.4" (W) x 1.4" (H)
Weight:	200g (battery included)
Accessories:	Carrying bag x 1 ; Users manual x 1 ; 1.5V battery x 2 ; Test leads x 1