

# PROVA<sup>®</sup>



## CM-03

### AC Leakage Current Tester

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 $\mu$ 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 $^{\circ}$ C $\pm$ 5 $^{\circ}$ C)

##### AC Current:

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

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

## AC Voltage:

(Input Impedance: 10M $\Omega$ )


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

## Resistance ( $\Omega$ ) and Continuity:

(open voltage 0.4V)

Range	Resolution	Accuracy	Beeping	OL Protection
40-400 $\Omega$	0.1 $\Omega$	$\pm 1.0\% \pm 2$ dgts	< 38.0 $\Omega$	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:	
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

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