

PROVA CM-07 PRO

AC/DC Clamp Meter (True RMS)

CE
IEC
61010

CAT II
600V

CAT III
300V



Features:

1. Accurate **AC/DC** digital clamp meter for **current** measurement.
2. **AC 0.1mA**, **DC 1mA** high resolution and **max. 600A** wide range.
3. **True RMS** for sine wave, symmetrical square wave, and triangular wave etc.
4. Non-contact **frequency** measurements.
5. **One touch zero** for DCA adjustment.
6. **23 mm** diameter jaw.
7. Large 3 5/6 digits LCD.
8. **Fast bargraph** display (30 times/sec.) for transient observation.
9. Max/Min and Data Hold functions.
10. **Backlight**.
11. **Auto-Power-Off** (15 minutes).
12. Easy **single rotary switch** for any function selection.
13. Ideal for works in crowded switch box or cable areas.

Electrical Specifications:

(23°C±5°C, Accuracy is % of reading±digits)

DC Current

Range	Resolution	Accuracy	Overload Protection
6A ¹	1mA	±1.0%±3dgt	AC 700A
60A (0A~40A)	10mA	±1.0%±3dgt	
60A (40A~50A)	10mA	±2.0%±3dgt	
60A (50A~60A)	10mA	±2.5%±3dgt	
600A	100mA	±1.0%±3dgt	

¹After measuring DC 600A, there will be about 700-digit residual magnetism when you measure 6A range (after pressing ZERO the measurement range will be 5.300A). To reduce the residual magnetism first please measure AC150A/60Hz, then the residual magnetism of DC 6A will become dozens-digit.

AC Current (True RMS, Crest Factor ≤ 3)

Range	Resolution	Accuracy		Overload Protection
		50/60 Hz	40 - 100Hz	
600mA	0.1mA	±1.5%±7dgt	±2.0%±7dgt	AC 700A
		50/60 Hz	40 - 1KHz	
6A	1mA	±1.5%±3dgt	±2.0%±5dgt	
60A (0A~40A)	10mA	±1.5%±3dgt	±2.0%±5dgt	
60A (40A~50A)	10mA	±2.5%±3dgt	±3.0%±5dgt	
60A (50A~60A)	10mA	±3.5%±3dgt	±4.0%±5dgt	
		50/60 Hz	40 - 400Hz	
600A	100mA	±1.5%±3dgt	±2.0%±5dgt	

Frequency (Auto range)

Range (Hz)	Resolution (Hz)	Accuracy	Sensitivity	Overload Protection
1 - 30K	0.001 - 10	±0.5%±2dgt	0.3A	AC 700A

General Specifications: Indoor Use

Conductor Size: 23mm max. (approx.)

Battery Type: two 1.5V SUM-3

Display: 3 5/6 LCD with 60 seg. Bargraph

Range Selection: manual

Overload Indication: OL

Power Consumption: 19~28 mA (approx.)

Low battery Indication: 

Sampling Time: 3 times/sec. (display)
30 times/sec. (bargraph)

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: 183mm (L) x 61.3mm (W) x 35.6mm (H)
7.2" (L) x 2.5" (W) x 1.4" (H)

Weight: 190g (battery included)

Accessories: Carrying bag x 1
Users manual x 1
1.5V battery x 2

Comparison of CM-07PRO, CM-07+ and CM-07

	CM-07 PRO	CM-07+	CM-07
Min. AC resolution	0.1mA	1mA	1mA
Min. DC resolution	1mA	1mA	10mA
Max. AC/DC range	600.0A	600.0A	400.0A
Accuracy @ max. range	1.0% @ 600.0A	1.0% @ 600.0A	4% @ 400.0A
Manual ranges	DC 6A/60A/600A AC 600mA/6A/ 60A/600A	DC 6A/60A/600A AC 6A/60A/600A	DC 40A/400A AC 4A/40A/ 100A/400A
AD counts	6000	6000	4000
Backlight	Yes	Yes	No
Auto-Power-Off	Yes	Yes	No

PROVA

PROVA INSTRUMENTS INC.

Add: 6F-2, No. 129, Lane 235, Pao-Chiao Road,
Shin-Tien District, New Taipei City 23145,
Taiwan

Tel: 886-2-89191255

Fax: 886-2-89191489

E-mail: prova@ms3.hinet.net

www.prova.com.tw