

PROVA CM-01+

AC/DC Clamp Meter (True RMS)

CE
IEC
61010

CAT II
600V

CAT III
300V



Features:

1. Accurate **DC/AC** digital clamp meter for **current** measurement.
2. **10mA** high resolution at **60A DC/AC** range.
3. One touch zero for DCA adjustment.
4. AC (voltage & current) **True RMS**.
5. **23mm** jaw diameter.
6. Large 3 5/6 digits LCD (6000 counts).
7. Fast bargraph display (30 times/sec.) for transient observation.
8. **Continuity, Frequency** and **Diode** measurements.
9. Max/Min and Data Hold functions.
10. Auto-power-off (15 min.) and Backlight.
11. 600V overload protection for ohm measurement.
12. Easy single rotary switch for any function selection.

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

DC Current

Range	Resolution	Accuracy	Overload Protection
60A	10mA	±1.0%±3dgts	DC 600A
600A	100mA		

AC Current (True RMS, Crest Factor ≤ 3)

Range	Resolution	Accuracy		Overload Protection
		50/60 Hz	40 – 1KHz	
60A	10mA	±1.0%±3dgts	±1.5%±4dgts	AC 600A
600A	100mA	±1.5%±3dgts	±2.0%±4dgts	

DC Voltage (Input Impedance: 10MΩ)

Range	Resolution	Accuracy	Overload Protection
600V	0.1V	±1.0%±2dgts	DC 1000V

AC Voltage (True RMS, Crest Factor ≤ 3, Input Impedance: 10MΩ)

Range	Resolution	Accuracy		Overload Protection
		50/60 Hz	40 – 1KHz	
600V	0.1V	±1.5%±2dgts	±2.0%±4dgts	AC 800V

Resistance (Ω) and Continuity (open voltage 0.4V)

Range	Resolution	Accuracy	Beeping	Overload Protection
600Ω	0.1Ω	±1.0%±2dgts	Beeping: < 10.0Ω (approx.); Not Beeping: > 55.0Ω (approx.)	AC 600V

Diode (open voltage 3V)

Range	Resolution	Accuracy	Short circuit current	Overload Protection
0V – 0.33V	0.001V	±100dgts	About 1mA	AC 600V
0.33V – 2V		±2%±5dgts		


Frequency (auto range)

Range (Hz)	Resolution (Hz)	Accuracy	Sensitivity	Overload Protection
1 - 100K	0.001 - 100	±0.5%±2dgts	15V	AC 600V

Comparison of CM01+ and CM01

	CM-01+	CM-01
True RMS	Yes	No
Max. range	600.0A	200.0A
ACV / DCV	600.0V / 600V	400.0V / 400V
Continuity	600.0Ω	400.0Ω
Diode test	Yes	No
Backlight	Yes	No
Auto Power Off	Yes	No

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: without backlight 22mA (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
Altitude: up to 2000M
Storage Temperature: -20°C to 60°C
Storage Humidity: less than 75% relative
Dimension: 183mm (L) x 63.6mm (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
Test leads x 1 set

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