

PROVA CM-02

AC/DC Clamp Meter

CE CAT II 600V, CAT III 300V

Features:

1. 10 mA high resolution on 40A DC/AC range
2. Temperature (°C or °F) and Capacitance
3. One touch zero for DCA adjustment
4. Auto-range for V, A, Ω, F, and temperature
5. 23 mm diameter jaw
6. Auto-power-off (15 minutes)
7. Fast bargraph display (30 times/sec.) for transient observation
8. Continuity and frequency measurements
9. Max/Min and Data Hold functions
10. 600V overload protection for ohm measurement
11. Ideal for works in crowded switch box or cable areas

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

DC Current:

Range	Resolution	Accuracy	Overload Protection
40A	10mA	±1.5%±2dgts	DC 400A
0-150A	100mA	±1.5%±2dgts	
150-200A	100mA	±2.2%±2dgts	

AC Current:

Range	Resolution	Accuracy		Overload Protection
		50/60 Hz	40 – 1KHz	
40A	10mA	±1.5%±3dgts	±2.0%±4dgts	AC 400A
0-150A	100mA	±1.5%±3dgts	±2.0%±4dgts	
150-200A	100mA	±2.2%±3dgts	±2.5%±4dgts	

DC Voltage: (Overload Protection: 600V)

Range	Resolution	Accuracy	Input Impedance
400mV	0.1 mV	±1.5%±3dgts	2.3MΩ
4V	1 mV		
40V	10 mV		
400V	100 mV		
600V	1V		

AC Voltage: (Input Impedance: 2.3 MΩ)

Range	Resolution	Accuracy		Overload Protection
		50/60 Hz	40 – 1KHz	
0.01 - 4V	1mV	±1.5%±5dgts	±2.0%±5dgts	AC 800V
40V	10mV			
400V	100mV			
600V	1V			

Frequency:

Range (Hz)	Resolution (Hz)	Accuracy	Sensitivity	O.L Protection
1-100K	0.001–100	±0.5%±2dgts	5V	AC 600V

Duty:

Range (<10KHz)	Resolution	Accuracy	Sensitivity
1 – 99%	0.1%	10d	10V

Continuity: (Open circuit voltage 0.4V, Overload Protection AC 600V)

Range	Resolution	Accuracy	Beeper
40-400Ω	0.1Ω	±1.0%±2dgts	<10.0Ω (approx.)

Resistance (Ω): (Open circuit voltage 0.4V)

Range	Resolution	Accuracy	Overload Protection
400Ω	0.1Ω	±1.5%±2dgts	AC 600V
4KΩ	1Ω		
40KΩ	10Ω		
400KΩ	100Ω		
4MΩ	1KΩ		
40MΩ	10KΩ		

Temperature: (K Type Thermal Couple with Adapter, °C or °F)

Range	Resolution	Accuracy	Overload Protection
-40 – 0 °C	0.1 °C	±2.0%±2 °C	AC 600V
0 – 400 °C	0.1 °C	±0.5%±2 °C	
400 – 1000 °C	1 °C	±0.5%±2 °C	
-40 – 0 °F	0.1 °F	±2.0%±4 °F	
0 – 400 °F	0.1 °F	±0.5%±4 °F	
400 – 1800 °F	1 °F	±0.5%±4 °F	


Capacitance:

Range	Resolution	Accuracy	Overload Protection
40nF	10pF	±5.0%±0.2 nF	AC 600V
400nF	0.1nF	±3.0%±0.2 nF	
4μF	1nF	±3.0%±0.02μF	
40μF	10nF	±3.0%±0.02μF	
400μF	100nF	±3.0%±0.2μF	

Diode Test:

Range	Resolution	Accuracy	Overload Protection
0 – 1.999V	0.001V	±2.5%±5dgts	AC 600V

General Specifications:

Conductor Size:	23mm max. (approx.)
Dimension (Box):	183 (L) x 63.6 (W) x 35.6 (H) mm 7.2" (L) x 2.5" (W) x 1.4" (H)
Battery Type:	two 1.5V SUM-3
Display:	3 3/4 LCD with 40 seg. Bargraph
Range Selection:	Auto and Manual
Overload Indication:	OL
Power Consumption:	10 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
Altitude:	up to 2000M
Storage Temperature:	-20°C to 60°C
Storage Humidity:	less than 75% relative
Weight:	190g (battery included)
Accessories:	Adapter (for Capacitance and K-type Thermal Couple) x 1 K-type Thermocouple x 1 Testing leads x 1 Carrying bag x 1 Users manual x 1 1.5V battery x 2

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