



## CM-02 HVAC Clamp Meter

### 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	DC 400A
150-200A	100mA	±2.2%±2dgts	DC 400A

#### 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	AC 400A
150-200A	100mA	±2.2%±3dgts	±2.5%±4dgts	AC 400A

#### DC Voltage:

(Overload Protection: 600V)

Range	Resolution	Accuracy	Input Impedance
400mV	0.1 mV	±1.5%±3dgts	10MΩ
4V	1 mV	±1.5%±3dgts	5MΩ
40V	10 mV	±1.5%±3dgts	5MΩ
400V	100 mV	±1.5%±3dgts	5MΩ
600V	1V	±1.5%±3dgts	5MΩ

#### AC Voltage:

(Input Impedance: 5 MΩ)

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

**Frequency:**

(Auto range, sensitivity selected by pressing RANGE Button, Sine Wave)

Range (Hz)	Resolution	Accuracy	Sensitivity	O.L Protection
100-10K	0.01-10Hz	±0.5%±2dgts	0.1/1V	AC 600V

**Audible Continuity:**

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

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

**Resistance (Ω):**

(Open circuit voltage 0.4V)

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

**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	AC 600V
400 – 1000 °C	1 °C	±0.5%±2 °C	AC 600V
-40 – 0 °F	0.1 °F	±2.0%±4 °F	AC 600V
0 – 400 °F	0.1 °F	±0.5%±4 °F	AC 600V
400 – 1800 °F	1 °F	±0.5%±4 °F	AC 600V

**Capacitance:**

(Auto range &amp; Manual)

Range	Resolution	Accuracy	Overload Protection
4nF	1pF	±5.0%±0.2 nF	AC 600V
40nF	10pF	±5.0%±0.2 nF	AC 600V
400nF	0.1nF	±3.0%±0.2 nF	AC 600V
4μF	1nF	±3.0%±0.02μF	AC 600V
40μF	10nF	±3.0%±0.02μF	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 Digits (4000 Counts)
Range Selection:	Auto and Manual
Overload Indication:	left most digit blinks
Power Consumption:	10 mA (approx.)
Low Battery Indication:	
Sampling Time:	2 times/sec. (display) 20 times/sec. (bargraph)
Auto-Power-Off:	30 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 Carrying bag x 1 Users manual x 1 1.5V battery x 2

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