

# CM-02/04 Clamp Meter/Automotive Clamp



## FEATURES

DC/AC 0.01A Resolution  
 AC/DC 0.01A~200A  
 23mm Jaw Diameter  
 One Touch Zero  
 Temperature and Capacitance  
 Auto Range V、 W 、 Hz、  $\Omega$  C、  $\pm$   
 3 3/4 Digits (4000 Counts)  
 0~9999 RPM(CM-04)



## SPECIFICATION

DC Current

Range	Resolution	Accuracy	Overload Protection
40A	10mA	+/-1.5%+/-2dgts	DC400A
0-150A	0.1A	+/-1.5%+/-2dgts	DC400A
150-200A	0.1A	+/-1.5.5%+/-3dgts	DC400A

RPM (CM-04 with adaptor)

Range	Resolution	Accuracy	Remarks
0~9999	1RPM	+/-0.5%+/-2dgts	

AC Voltage (Autorange , Input Impedance 5M W )

Range	Resolution	Accuracy	Overload Protection
4V	0.001V	+/-1.5%+/-5dgts	800VAC
40V	0.01V	+/-1.5%+/-5dgts	800VAC
400V	0.1V	+/-1.5%+/-5dgts	800VAC
600V	1V	+/-1.5%+/-5dgts	800VAC

DC Voltage (Autorange , Overload Protection 800VAC )

Range	Resolution	Accuracy	Input Impedance
400 mV	0.1 mV	+/-1.5%+/-3dgts	10M W
4V	0.001V	+/-1.5%+/-3dgts	5M W
40V	0.01V	+/-1.5%+/-3dgts	5M W
400V	0.1V	+/-1.5%+/-3dgts	5M W
600V	1V	+/-1.5%+/-3dgts	5M W

Frequency (Hz, Autorange & Sensitivity selected by RANGE button)

Range	Resolution	Accuracy	Sensitivity	Overload Protection
100-1000kHz	0.01-100Hz	+/-0.5%+/-2dpts	10 mV /0.1V/1V	AC600V

Resistance( W )&Audible Continuity (Open Circuit Voltage 0.5V):

Range	Resolution	Accuracy	Beeper	Overload Protection
40-400 W	0.1 W	+/-1.0%+/-5dpts	<=40 W (approx)	AC600V

AC Current

Range	Resolution	Accuracy		Overload Protection
		50/60Hz	40-400Hz	
40A	10mA	+/-1.5%+/-3dpts	+/-2.5%+/-3dpts	AC400A
0-150A	0.1A	+/-1.5%+/-3dpts	+/-2.5%+/-3dpts	AC400A
150-200A	0.1A	+/-2.0%+/-3dpts	+/-3.0%+/-3dpts	AC400A

Resistance( W )(Aurange & Manual , Open Voltage<=0.5V)

Range	Resolution	Accuracy	Overload Protection
400 W	0.1 W	+/-1.5%+/-3dpts	600VAC
4K W	1 W	+/-1.5%+/-3dpts	600VAC
40K W	10 W	+/-1.5%+/-3dpts	600VAC
400K W	100 W	+/-1.5%+/-3dpts	600VAC
4M W	1K W	+/-1.5%+/-3dpts	600VAC
40M W	10K W	+/-1.5%+/-3dpts	600VAC

Capacitance (Aurange & Manual)

Range	Resolution	Accuracy	Overload Protection
4nF	1pF	+/-5.0%+/-0.2 nF	AC600V
40nF	10pF	+/-5.0%+/-0.2 nF	AC600V
400nF	0.1nF	+/-3.0%+/-0.2 nF	AC600V
4uF	1nF	+/-3.0%+/-0.2 uF	AC600V
40uF	10nF	+/-3.0%+/-0.2 uF	AC600V

TEMP K TYPE °C (Aurange & Manual, °F optional):

Range	Resolution	Accuracy	Overload Protection
-40 - 0 °C	0.1 °C	+/-2.0 % +/-5 °C	AC600V
0- 400 °C	0.1 °C	+/-0.5 % +/-1 °C	AC600V
400- 1200 °C	1 °C	+/-0.8 % +/-1 °C	600V

General Specification

<b>Conductor Size</b>	23mm Diameter
<b>Battery</b>	1.5V AA UM3 Battery x 2

<b>Display</b>	3 3/4 Digits (4000 Counts)
<b>Range Selection</b>	Auto and Manual
<b>Power Consumption</b>	10mA (Approx)
<b>Sampling Time</b>	2 Time/sec (Digital) 20 Time/sec (Bar graph)
<b>Operating Temperature</b>	0 °C ~ 50 °C ( 32 °F ~ 122 °F )
<b>Operating Humidity</b>	LESS than 80% RH
<b>Dimension</b>	7.2"(L) x 2.5"(W) x 1.4"(H) 183mm(L) x 63.6mm(W) x 35.6mm(H)
<b>Weight</b>	190g. (Batteries Included)
<b>Accessories</b>	Adaptor (for K-type Thermocouple and Capacitor) x 1 User Manual x 1 5V Battery x 2 K-type Thermocouple x 1 Carrying Bag x 1
<b>Option</b>	RPM Adaptor (COM04) x 1