



## 1000A, AC/DC True RMS Clamp Meter

**Product Code : MCA-207**

This meter measures AC/DC Voltage, AC/DC Current, Resistance, Capacitance, Frequency, Diode Test, Continuity, Type k thermocouple thermometer. Proper use and care of this meter will provide many years of reliable service.

### Features:

- ✓ True RMS measurement of AC Current and AC voltage
- ✓ Large 4000 count LCD display with a bar graph and a bright white LED backlight
- ✓ Wide measuring range from 0.01A AC/DC up to 1000A AC/DC
- ✓ Measures AC and DC Voltage up to 600 volts
- ✓ Measures resistance from 0.01 $\Omega$  up to 40M $\Omega$
- ✓ Capacitance measurement up to 40 mF
- ✓ Temperature measurement from -40 °c to +1000 °c and -40° F to +1832° F
- ✓ Designed to the international safety standard IEC 61010 CAT III 600v / CAT II 1000v
- ✓ Auto Power Off after approximately 20 minutes to conserve battery life
- ✓ Continuity Buzzer and Diced Test.
- ✓ Frequency measurement up to 4KHZ
- ✓ Peak Hold to record the minimum and maximum readings for current and voltage
- ✓ Data Hold switch used to freeze reading on display

## Specifications:

<b>AC Current</b>	40.00 A	$\pm (2.8 \% + 10 \text{ digits})$
	400 .0 A	$\pm (2.8 \% + 8 \text{ digits})$
	1000 A	$\pm (3.0 \% + 8 \text{ digits})$
<b>DC Current</b>	40.00 A	$\pm (2.8 \% + 10 \text{ digits})$
	400 .0 A	$\pm (2.8 \% + 8 \text{ digits})$
	1000 A	$\pm (3.0 \% + 8 \text{ digits})$
<b>DC Voltage</b>	400.0 mV	$\pm (0.8\% + 2 \text{ digits})$
	4.000 V	$\pm (1.5\% + 2 \text{ digits})$
	40.00 V	
	400.0 V	
	600 V	$\pm (2.0 \% + 2 \text{ digits})$
<b>AC Voltage</b>	400.0mV	$\pm (1.0\% + 10 \text{ digits})$
	4.000 V	$\pm (1.5\% + 8 \text{ digits})$
	40.00 V	
	400.0 V	
	600 V	$\pm (2.0\% + 8 \text{ digits})$
<b>Resistance</b>	400.0 $\Omega$	$\pm (1.0\% + 4 \text{ digits})$
	4.000K $\Omega$	$\pm (1.5\% + 2 \text{ digits})$
	40.00K $\Omega$	
	400.0K $\Omega$	
	4.000M $\Omega$	$\pm (2.5\% + 5 \text{ digits})$
40.00M $\Omega$	$\pm (3.5\% + 10 \text{ digits})$	
<b>Capacitance</b>	4.000nF	$\pm(6.0\% + 30 \text{ digits})$
	40.00nF	$\pm(5.0\% + 20 \text{ digits})$
	400.0nF	$\pm(3.0\% + 5 \text{ digits})$
	4.000 $\mu$ F	
	40.00 $\mu$ F	
	400.0 $\mu$ F	$\pm(4.0\% + 10 \text{ digits})$
	4.000 mF	$\pm(4.5\% + 10 \text{ digits})$
	40.00 mF	$\pm(5.0\% + 10 \text{ digits})$
<b>Frequency</b>	4.000kHz	$\pm(1.5\% + 2 \text{ digits})$
<b>Temp</b>	-40.0 to 1000 $^{\circ}$ C	$\pm (2.5\%+3^{\circ}$ C)
	-40.0 to 1832 $^{\circ}$ F	$\pm (2.5\%+5^{\circ}$ F)