

# MarMonix MCA 206

## Clamp Meter

### Data Sheet



### Quick Spec Highlights

- **Measurement Range:** Up to 600 A AC/DC  
600 V AC/DC
- **Accuracy:**  $\pm(0.5\%+3)$  DC voltage,  $\pm(1.0\%+3)$  AC voltage  
 $\pm(2.0\%+30)$  (AC /DC current)
- **Response Time:** 3 updates per second
- **Display:** 6000-count LCD with backlight, auto polarity, and overload indication

### Key Features

- **True RMS Measurement:** Accurate readings for both pure and distorted waveforms in AC systems.
- **Comprehensive Functions:** AC/DC voltage and current, resistance, capacitance, frequency, temperature, diode, continuity, inrush current, and NCV detection.
- **Advanced Safety:** CAT III 600V rating, overload protection, fused inputs, and dual-impedance voltage detection to minimize ghost voltages.
- **Practical Usability:** Auto-ranging, data hold, peak hold, relative mode, and auto power-off with disable option.
- **Built-In Utilities:** Flashlight for dark environments, audible continuity buzzer, and visual indicators for fast diagnostics.
- **Compact & Durable:** Lightweight ABS body (185 × 65 × 30 mm, 165 g), designed for field use with long battery life from 2 × AAA cells.

### Ordering Info

- **Part Number :** 7603281
- **GTIN:** 6298043998024

### Package Contents

- 1 × MCA 206 (main unit)
- 1 × Premium Test Lead
- 1 × Carrying Case
- 1 × Thermocouple (Type-K Probe)
- 2 × 1.5V AA Battery
- 1 × user manual
- 1 × Certificate of Conformity
- 1 × Warranty card

### Warranty

This device is covered by a 2-year warranty from the date of purchase, ensuring reliability and long-term support. The warranty applies to defects in materials and workmanship under normal use. It excludes consumables (fuses, disposable batteries) and damage caused by accident, misuse, modification, contamination, or operation outside specified conditions.

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## Specifications

Electrical Specifications					
Function	Range	Resolution	Accuracy	MAX.Value	Frequency Response
DC Voltage (V)	6.000V	0.001V	±(0.5%+3)	600V	
	60.00V	0.01V			
	600.0V	0.1V			
AC Voltage (V)	6.000V	0.001V	±(1.0%+3)	600V	40Hz~1kHz
	60.00V	0.01V			
	600.0V	0.1V			
DC Current (A)	60.00A	0.01A	±(2.0%+30)	600A	
	600.0A	0.1A			
AC Current (A)	60.00A	0.01A		600A	40Hz~400Hz
	600.0A	0.1A			
Resistance	600.0Ω	0.1Ω	±(1.5%+3)	60MΩ	
	6.000kΩ	0.001kΩ			
	60.00kΩ	0.01kΩ	±(0.5%+3)		
	600.0kΩ	0.1kΩ			
	6.000MΩ	0.001MΩ	±(1.5%+3)		
	60.00MΩ	0.01MΩ			
Capacitance	6.000nF	0.001nF	±(5.0%+20)	60.00mF	
	60.00nF	0.01nF			
	600.0nF	0.1nF	±(2.0%+5)		
	6.000μF	0.001μF			
	60.00μF	0.01μF			
	600.0μF	0.1μF			
	6.000mF	0.001mF	±(5.0%+5)		
	60.00mF	0.01mF			
Frequency	60.00Hz	0.01Hz	±(0.1%+2)	300.0kHz	
	600.0Hz	0.1Hz			
	6.000kHz	0.001kHz			
	60.00kHz	0.01kHz			
	300.0kHz	0.1kHz			
Diode			√		
Continuity			√		
Inrush current			√		
Flashlight			√		
Temperature	(-30°~1000°C)	1°C	±(2.5%+5)	1000°C	
	(-22°~1832°F)	1°F		1832°F	

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## Specifications

Category	Specification	Details
General Specifications	Display	LCD, 6000 counts
	Ranging	Auto
	Material	ABS
	Update Rate	3 times/second
	True RMS	Yes
	Functions	Data Hold, Low Battery Alert, Auto Power Off
Mechanical Specifications	Dimensions	185 × 65 × 30 mm
	Weight	165 g
	Battery Type	2 × 1.5V AAA batteries
Environmental Specifications	Operating Temperature	0 ~ 40 °C
	Operating Humidity	<75% RH
	Storage Temperature	-20 ~ 60 °C
	Storage Humidity	<80% RH

### Disclaimer

The information contained in this datasheet is believed to be accurate and reliable at the time of publication. However, MarMonix reserves the right to make changes to specifications, features, or design without prior notice. Performance specifications apply under standard laboratory conditions and may vary in different environments. This product is intended for professional use only. MarMonix shall not be liable for any incidental, consequential, or special damages arising from the use of this product.