

MarMonix MCA 206

Clamp Meter

Data Sheet



Quick Spec Highlights

- **Measurement Range:** Up to 600 A AC/DC, 600 V AC/DC
- **Accuracy:** $\pm 0.5\%$ (DC voltage), $\pm 1.0\%$ (AC voltage), $\pm 2.0\%$ (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 II 1000 V 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.

Package Contents

- One pair of testing leads
- One bubble bag
- Color box
- One user manual
- One wrist strap
- User instructions
- Certificate of Conformity
- Warranty card

Ordering Info

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

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					
Function	Range	Resolution	Accuracy	Max. Value	Frequency Response
DC Voltage	6.000 V	0.001 V	±(0.5% + 3)	600 V	-
	60.00 V	0.01 V			
	600.0 V	0.1 V			
AC Voltage	6.000 V	0.001 V	±(1.0% + 3)	600 V	40 Hz ~ 1 kHz
	60.00 V	0.01 V			
	600.0 V	0.1 V			
DC Current	60.00 A	0.01 A	±(2.0% + 30)	600 A	-
	600.0 A	0.1 A			
AC Current	60.0 A	0.01 A	±(2.0% + 30)	600 A	40 Hz ~ 400 Hz
	600.0 A	0.1 A			
Resistance	600.0 Ω	0.1 Ω	±(1.5%+3)	60 MΩ	-
	6.000 kΩ	0.001 kΩ			
	60.00 kΩ	0.01 kΩ	±(0.5%+3)		
	600.0 kΩ	0.1 kΩ			
	6.000 MΩ	0.001 MΩ			
	60.00 MΩ	0.01 MΩ	±(5.0%+5)		
Capacitance	6.000 nF	0.001 nF	±(5.0%+20)	60.00 mF	-
	60.00 nF	0.01 nF	±(2.0%+5)		
	600.0 nF	0.1 nF			
	6.000 μF	0.001 μF			
	60.00 μF	0.01 μF			
	600.0 μF	0.1 μF			
	6.000mF	0.001 mF	±(5.0%+5)		
	60.00mF	0.01mF			
Frequency	60.00Hz	0.01Hz	±(0.1%+2)	300.0 kHz	-
	600.0 Hz	0.1 Hz			
	6.000 kHz	0.001kHz			
	60.00 kHz	00.1 kHz			
	300.0 kHz	0.1 kHz			
Diode Test	Yes				

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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
Temperature	(-30~1000)°C	1°C
Environmental Specifications	Operating Temperature	0 ~ 40 °C
	Operating Humidity	<75% RH
	Storage Temperature	-20 ~ 60 °C
	Storage Humidity	<80% RH

Disclaimer

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