



RoHS
Compliant

Application

- Power circuit measurement and fault analysis.
- Motor drive of frequency converter (or other electronic device) measurements.
- Power electronics devices measurements.

Features

- The multi-meter and oscilloscope allow direct measurement of DC current up to 65A without breaking the current loop or peeling the insulation layer.
- A current sensor consisting of permalloy and hall elements linearly converts DC or AC current into DC or AC voltage.
- AC frequency range: Up to 20KHz.
- DC frequency range: 20mA to 65A DC.
- 10mV/A: 100mA to 20A, multi-meter range is set to DC or RMS AC 200mV.
- 100mV/A: 10mA to 2A, multi-meter range is set to DC or RMS AC 200mV.
- 20A to 65A: multi-meter range is set to DC or RMS AC 2V

Specification

Model	MP701072	
DC Current Accuracy	10mV/A	$\pm(2\%\pm 20\text{mA})$ 100mA - 40A $\pm(4\%\pm 0.3\text{A})$ 40A - 65A
	100mV/A	$\pm(1.5\%\pm 5\text{mA})$ 10mA - 20A
AC Current Accuracy	10mV/A	$\pm(2\%\pm 30\text{mA})$ 200mA - 40A (40Hz - 1KHz) $\pm(4\%\pm 30\text{mA})$ 200mA - 40A (1KHz - 2KHz) $\pm(6\%\pm 30\text{mA})$ 200mA - 40A (2KHz - 5KHz) $\pm(8\%\pm 30\text{mA})$ 40A - 65A (40Hz - 20KHz)
	100mV/A	$\pm(2\%\pm 30\text{mA})$ 100mA - 10A (40Hz - 2KHz) $\pm(4\%\pm 30\text{mA})$ 100mA - 10A (2KHz - 10KHz) $\pm(6\%\pm 30\text{mA})$ 100mA - 10A (10KHz - 20KHz) $\pm(8\%\pm 30\text{mA})$ 10A - 15A (40Hz - 20KHz)
Captured Conductor Size	Max. 9mm	
Cable Length	98cm	
Loads Impedance	10 k Ω typical	
Low Battery Indicator	Red LED lighting	
Operating Temperature	0°C to 50°C, 70% R.H.	
Storage Temperature	-20°C to +70°C, 80% R.H.	
Battery Type	9V DC, NEDA 1604, 6F22, 0006P	
Battery Life	100 hours typical with alkaline	
Weight	185g typical	
Dimensions	195mm (H) × 95mm (W) × 33mm (D)	
Output	Supplied with coil cable with BNC plug	

Part Number Table

Description	Part Number
AC / DC Current Clamp with BNC Connector	MP701072

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