




AC/DC Current Probe Model MR527

Cat. #1200.85

0.5 to 100AAC, 150ADC & 0.5 to 1000AAC, 6150ADC

Hall effect current probe with 2 ranges designed for oscilloscopes, waveform displaying instruments, and other frequency sensitive displaying instruments with BNC inputs.

Maximum Conductor Size	Cables: One 1.5" (39mm) or two 1" (25.4mm) Bus Bar: One 1.97 x .49" (50 x 12.5mm) or two 0.98 x 0.2" (25 x 5mm); 1.24" x .30" (31.5 x 10mm) or three 0.98" x 0.31" (25 x 8mm)
Current Range	0.5 to 100AAC, 150ADC & 0.5 to 1000AAC, 1400ADC
Output Signal	10mV/A & 1mV/A via a 6.5ft (2m) lead BNC cable
Accuracy 50/60Hz	≤1.5% @ 100A & ≤2.5% @ 800A
Frequency Range	DC to 30kHz (-3dB) (depending of current value)
Phase Shift At 50Hz	≤2° @ 100A & ≤1.5° @ 800A
Load Impedance	>1MΩ and ≤100pF
Overload	3000ADC or 1000AAC continuous for < 1kHz
Zero Adjust	Automatic on both ranges
Power Supply	9V alkaline Battery (NEDA 1060A, 6LR61) or 5V DC Micro-USB type B
Battery Life	50H typical
Low Battery Indication	Green LED blinking
Overload Indication	Red LED on when measurement > than selected range
Dimensions (H x W x D)	9.31 x 3.82 x 1.73" (236.5 x 97 x 44mm)
Weight (with Battery)	1.15lbs (520g)
Operating Temperature	14° to +131°F (-10 to +55°C)
Storage Temperature	-40° to +176°F (-40 to +80°C)
Relative Humidity	Up to 85% @ 35°C
Ingress Protection (Ip)	IP 40
EMC	EN 61326-1
Safety Compliance	IEC 61010-1, EN 61010-2-32, Pollution Degree 2, 600V CAT III 

For more details, download the datasheet or user manual at www.aemc.com