


## AC/DC Current Probe Model MR417



Cat. #1200.84

**0.5 to 40AAC, 60ADC & 0.5 to 400AAC, 600ADC, 10mV/A & 1mV/A via a 6.5ft (2m) lead BNC cable**  
Hall effect current probe with 2 ranges designed for oscilloscopes, waveform displaying instruments, and other frequency sensitive displaying instruments with BNC inputs.

<b>Maximum Conductor Size</b>	Cables: One 1.18" (30mm) or two .94" (24mm) Bus Bar: One 1.97 x .39" (50 x 10mm) or two 1.23 x .39" (31.5 x 10mm) or three 0.98" x 0.31" (25 x 8mm)
<b>Current Range</b>	0.5 to 40AAC, 60ADC & 0.5 to 400AAC, 600ADC
<b>Output Signal</b>	10mV/A & 1mV/A via a 6.5ft (2m) lead BNC cable
<b>Accuracy 50/60Hz</b>	≤1.5% @ 40A & ≤2% @ 400A
<b>Frequency Range</b>	DC to 30kHz (-3dB) (depending of current value)
<b>Phase Shift At 50Hz</b>	≤2° @ 40A & ≤1.5° @ 400A
<b>Load Impedance</b>	>1MΩ and ≤100pF
<b>Overload</b>	3000ADC or 1000AAC continuous for < 1kHz
<b>Zero Adjust</b>	Automatic on both ranges
<b>Power Supply</b>	9V alkaline Battery (NEDA 1060A, 6LR61) or 5V DC Micro-USB type B
<b>Battery Life</b>	50H typical
<b>Low Battery Indication</b>	Green LED blinking
<b>Overload Indication</b>	Red LED on when measurement > than selected range
<b>Dimensions (H x W x D)</b>	8.82 x 3.82 x 1.73" (224 x 97 x 44mm)
<b>Weight (with Battery)</b>	0.98lbs (440g)
<b>Operating Temperature</b>	14° to +131°F (-10 to +55°C)
<b>Storage Temperature</b>	-40° to +176°F (-40 to +80°C)
<b>Relative Humidity</b>	Up to 85% @ 35°C
<b>Ingress Protection (Ip)</b>	IP 40
<b>EMC</b>	EN 61326-1
<b>Safety Compliance</b>	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](http://www.aemc.com)