

AC Current Probe Model MN02

Cat. #2129.20

100A, 1mA/A, Lead, 1% Accuracy

Designed for digital multimeters and recorders with mA input to measure AC currents in low-power secondary or industrial applications. When used with an AC ammeter, enables direct reading of current when the probe is clamped around one of the carrying conductors. Measurement range from 0.5 to 100A. Features 1mA_{AC}/A_{AC} output signals with 48Hz to 10kHz response. Jaw opening accommodates conductors up to 0.39" diameter. Conforms to EN 61010, 600V CAT III safety standard.

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Maximum Conductor Size	0.39" (10mm)
Current Range	100Arms AC
Measurement Range	50mA to 100A
Output	5ft (1.5m) lead with 4mm safety banana plug
Transformation Ratio	1000/1
Output Signal	1mA/A AC (100mA @ 100A)
Accuracy 50/60Hz	1% R ± 0.02A with 1Ω load
Frequency Range	48 to 10kHz
Phase Shift At 50Hz	3° with 1Ω load
Open Secondary Voltage	≤30V
Load Impedance	10Ω max
Overload	170A for 10 min ON, 30 min OFF
Dimensions (H x W x D)	4.43 x 1.48 x 1.02" (112.5 x 37.5 x 26mm)
Weight With 24" (610mm) Sensor	6.5 oz (180g)
Operating Temperature	14° to +122°F (-10° to +50°C)
Storage Temperature	-40° to +176°F (-40° to +80°C)
Operating Humidity	90% RH
Pollution Degree	2
Ingress Protection (Ip)	IP40
EMC	EN 61326-1

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

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