



## AC Current Probe Model MN255

Cat. #2115.81

**20 A, 100 mV/A & 200 A, 10 mV/A, Lead**

Features voltage outputs (100 mV/A and 10 mV/A). Combines two switch-selectable ranges of 20 A and 200 A, enabling accurate measurements at low and high levels. Includes integral 5 ft (1.5 m) leads terminated by shrouded banana plugs.

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Maximum Conductor Size	0.78 in (20 mm), bus bar (20 x 5) mm
Current Range	20 A & 200 Arms AC
Measurement Range	20 A: (0.1 to 24) A 200 A : (0.1 to 240) A
Output	5 ft (1.5 m) lead with 4 mm safety banana plug
Transformation Ratio	Voltage output
Output Signal	20 A: 100 mV/A (2 VAC @ 20 A) 200 A: 10m V/A AC (2 VAC @ 200 A)
Accuracy 50/60Hz	<b>20 A Range Accuracy:</b> % $\pm$ 50 mV <b>200 A Range Accuracy:</b> (0.5 to 10) A: 3.0 % Reading $\pm$ 5 mV (0 to 40) A: 2.5 % Reading $\pm$ 5 mV (40 to 100) A: 2.0% Reading $\pm$ 5 mV (100 to 240) A: 1.0% Reading $\pm$ 5 mV
Frequency Range	40 Hz to 10 kHz
Phase Shift at 50Hz	<b>20 A Range:</b> Not Specified <b>200 A Range:</b> (0.5 to 10) A: Not Specified (10 to 40) A: $\leq$ 5 ° 40 to 100) A: $\leq$ 3 ° (100 to 240) A: $\leq$ 2.5 °
Open Secondary Voltage	N/A
Load Impedance	> 1 M $\Omega$
Overload	(24 and 240) A for 10 min ON, 30 min OFF

For more details, download the datasheet or user manual at [www.aemc.com](http://www.aemc.com)

15 Faraday Drive • Dover, NH 03820 USA • (800) 343-1391 • (603) 749-6434 • [www.aemc.com](http://www.aemc.com)

[customerservice@aemc.com](mailto:customerservice@aemc.com) • [techsupport@aemc.com](mailto:techsupport@aemc.com)

Dimensions (H x W x D)	(5.47 x 2.00 x 1.18) in (139 x 51 x 30) mm
Weight With 24" (610mm) Sensor	6.3 oz (180 g)
Operating Temperature	(14 to 131) °F (-10 to 55) °C
Storage Temperature	(-40 to 158) °F (-40 to 70) °C
Operating Humidity	(10 to 90) % RH
Pollution Degree	2
Ingress Protection (Ip)	IP40
EMC	EN 61326-1
Safety Compliance	EN/IEC 61010-1 600 V CAT III, EN/IEC 61010-032
	
<b>20 A Range Accuracy:</b>	

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[customerservice@aemc.com](mailto:customerservice@aemc.com) • [techsupport@aemc.com](mailto:techsupport@aemc.com)

