



AC Current Probe Model SR759

Cat. #2116.33

1A, 10A, 100A, 1000A, mV/A, Lead

The SR759 probe is a probe that offers four switch selectable ranges: 1, 10, 100 or 1000A. This probe has a voltage output proportional to the current measured in the jaw of the probe. The SR759 has an integral 5 ft (1.5m) lead terminated by shrouded banana plugs compatible with DMMs and other instruments. The high accuracy, high sensitivity and low phase shift makes this probe an excellent choice for use in a wide range of power quality applications, including very low or leakage current measurements.

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Maximum Conductor Size	2.05 in (52 mm)
Current Range	1 A, 10 A, 100 A, 1000 Arms AC
Measurement Range	1 mA to 1.2 A, (0.01 to 12) A, (0.1 to 120) A, (1 to 1200) A
Output	5 ft (1.5 m) lead with safety 4 mm banana plug
Transformation Ratio	1:1, 10:1, 100:1, 1000:1
Output Signal	1000 mV/AAC (1V @ 1A), 100 mV/AAC (1V @ 10A), 10 mV/AAC (1V @ 100A), 1 mV/AAC (1V @ 1000A)
Accuracy 50/60Hz	0.7% ± 1 mV @ 1 A, 0.5 % @ 10 A, 0.2 % @ 100 A, 0.2 % @ 1000 A
Frequency Range	30 Hz to 3k Hz with current derating
Phase Shift at 50Hz	1 ° @ 1000 A
Open Secondary Voltage	8 V peak
Load Impedance	10 MΩ, 100 kΩ min with derating
Overload	1200 A for 15 min ON then 30 min OFF
Dimensions (H x W x D)	(4.37 x 8.50 x 1.77) in (111 x 216 x 45) mm
Weight	1.21 lbs (550 g)
Operating Temperature	(14 to +122) °F (-10 to +50) °C
Storage Temperature	(-4 to +158) °F (-20 to +70°) C
Operating Humidity	90 % RH
Pollution Degree	2
Ingress Protection (Ip)	IP40

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

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EMC	EN 61326-1	
Safety Compliance	EN/IEC 61010-1 600V CAT III, EN/IEC 61010-032	

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