



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.

Maximum Conductor Size	2.05" (52mm)
Current Range	1A, 10A, 100A, 1000Arms AC
Measurement Range	1mA to 1.2A, 0.01 to 12A, 0.1 to 120A, 1 to 1200A
Output	5 ft (1.5m) lead with safety 4mm banana plug
Transformation Ratio	1:1, 10:1, 100:1, 1000:1
Output Signal	1000mV/AAC (1V @ 1A), 100mV/AAC (1V @ 10A), 10mV/AAC (1V @ 100A), 1 mV/AAC (1V @ 1000A)
Accuracy 50/60Hz	0.7% ± 1mV @ 1A, 0.5% @ 10A, 0.2% @100A, 0.2% @ 1000A
Frequency Range	30Hz to 3kHz with current derating
Phase Shift at 50Hz	1° @ 1000A
Open Secondary Voltage	8V peak
Load Impedance	10MΩ, 100kΩ min with derating
Overload	1200A for 40 mn ON then 20 mn OFF
Dimensions (H x W x D)	4.37 x 8.50 x 1.77" (111 x 216 x 45mm)
Weight	1.21 lbs (550g)
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
EMC	EN 61326-1
Safety Compliance	EN/IEC 61010-1 600V CAT III, EN/IEC 61010-032



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