

AC/DC Current Probe Model SL206



The Model SL206 is designed for AC/DC current measurement capabilities using Hall effect technology. It measures from a 10mA to over 80A.

The “screw driver” shape, with its narrow elongated prod, was chosen to permit probing in crowded cable bundles, or measuring in tight areas such as on circuit boards, motor controllers and automotive circuitry.

The electronics and batteries are self-contained in the handles. It is an excellent companion to DMMs, recorders and loggers, oscilloscopes and waveform displaying instruments. Low phase shift also insures reliable power and power quality measurements.

The Model SL206 is very familiar with two mV ranges. The SL206 provides higher sensitivity for lower level signal measurements.

Features

- Low AC and DC measurements
- 10mA to 80A – AC/DC in 2 ranges
- Unique design for probing in crowded wiring in industrial and automotive environments
- Hall effect sensor technology
- Use with DMMs, voltmeters and other voltage measuring instruments

Applications

- Circuit board testing
- Motor controllers
- Automotive circuitry

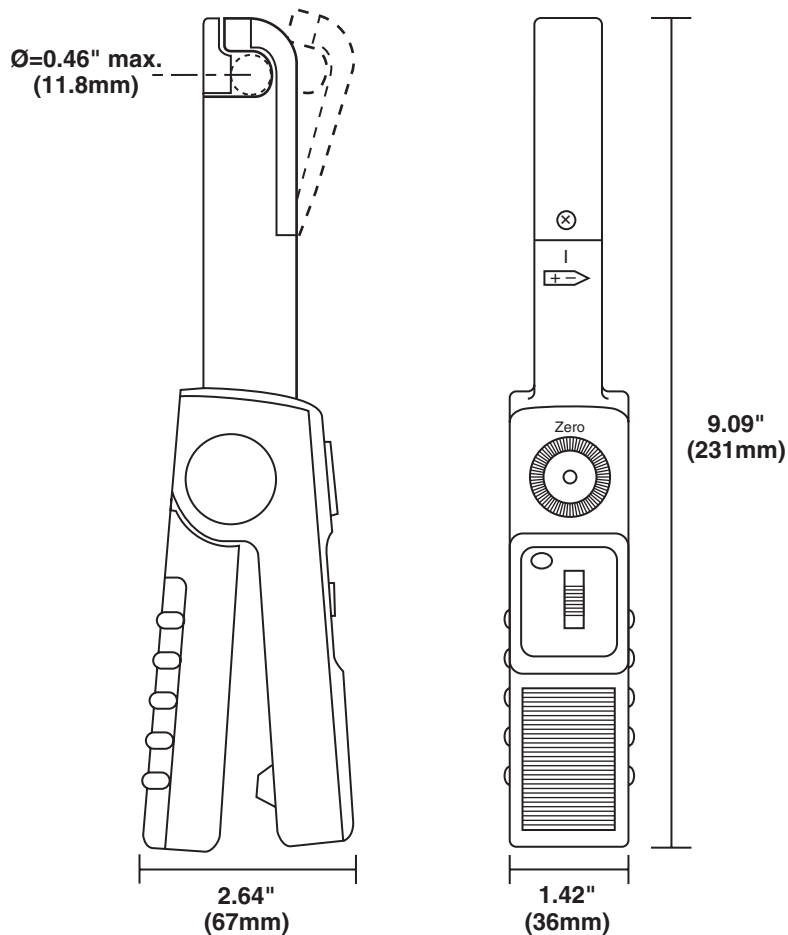
Specifications

MODEL	SL206
ELECTRICAL	
Nominal Range	2A & 80A
Measurement Range	10mA to 80A _{DC} ; 50mA to 60A _{AC}
Transformation Ratio	Voltage output
Output Signal	2A: 1mV/mA 80A: 10mV/A
Accuracy (1mV/mA Range) 10mA to 2A _{AC/DC}	2% of Reading ± 5mA
Phase Shift (1mV/mA Range)	DC to 65Hz 1°
Accuracy (10mV/A Range) 50mA to 50A _{DC}	4% of Reading ± 20mA
50mA to 40A _{AC}	±4% of Reading ± 20mA
50 to 80A _{DC}	±12% of Reading
40 to 60A _{AC}	±12% of Reading
Phase Shift (1mV/mA Range)	DC to 65Hz 1°
Overload	120A continuous
Frequency Range	DC to 8kHz
Load Impedance	100kΩ (1mV/mA); 10kΩ (1V/A)
Working/Common Mode Voltage	600Vrms
Output Termination	5 ft Lead with 4 mm safety banana plug
MECHANICAL	
Operating Temperature	32° to 122°F (0° to 50°C)
Storage Temperature	-22° to 176°F (-30° to 80°C)
Operating Relative Humidity	10° to 30°C: 85 ± 5% RH (without condensation) 40° to 50°C: 45 ± 5% RH (without condensation)
Maximum Conductor Size	0.46" (11.8mm)
Dimensions	9.09 x 1.42 x 2.64" (231 x 36 x 67mm)
Weight	11.6 oz (330g) with battery
Polycarbonate Material	Handle: Lexan® 920A, UL94 V2
SAFETY	
Electrical	EN 61010-2-32
Double Insulation <input type="checkbox"/>	Yes
CE Mark	Yes

Note: Reference conditions:

23°C ± 5°K, 20 to 75% RH, 48 to 65Hz, external magnetic field <40A/m, no external current carrying conductor, test sample centered, load impedance 1Mohm.

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Leads:
 Double/reinforced
 5 ft (1.5m) lead
 with safety 4mm
 banana plug

ORDERING INFORMATION	CATALOG NO.
AC/DC Current Probe Model SL206 (Lead – 1mV/mA – 2A max & 10mV/A – 80A max)	Cat. #1201.45
Includes a 9V battery and user manual	
Accessories (Optional)	
Banana plug adaptor (to nonrecessed plug) (Models SL201 & SL206)	Cat. #1017.45
Banana/BNC connector XF-SS (4mm plug adaptor)	Cat. #2111.32

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