

AC/DC Current Probe Model SL261



The Model SL261 is designed for AC/DC current measurement capabilities using Hall effect technology. It measures from a few mA to over 100A.

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 SL261 is designed for current measuring and displaying on oscilloscopes. AC + DC output signals proportional to the total current are provided for True RMS measurements.

Features

- Low AC and DC measurements
- 50mA to 120AAC/150ADc
- 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
- UL approved for Canada and United States
- Double Insulation
- CE Mark

Applications

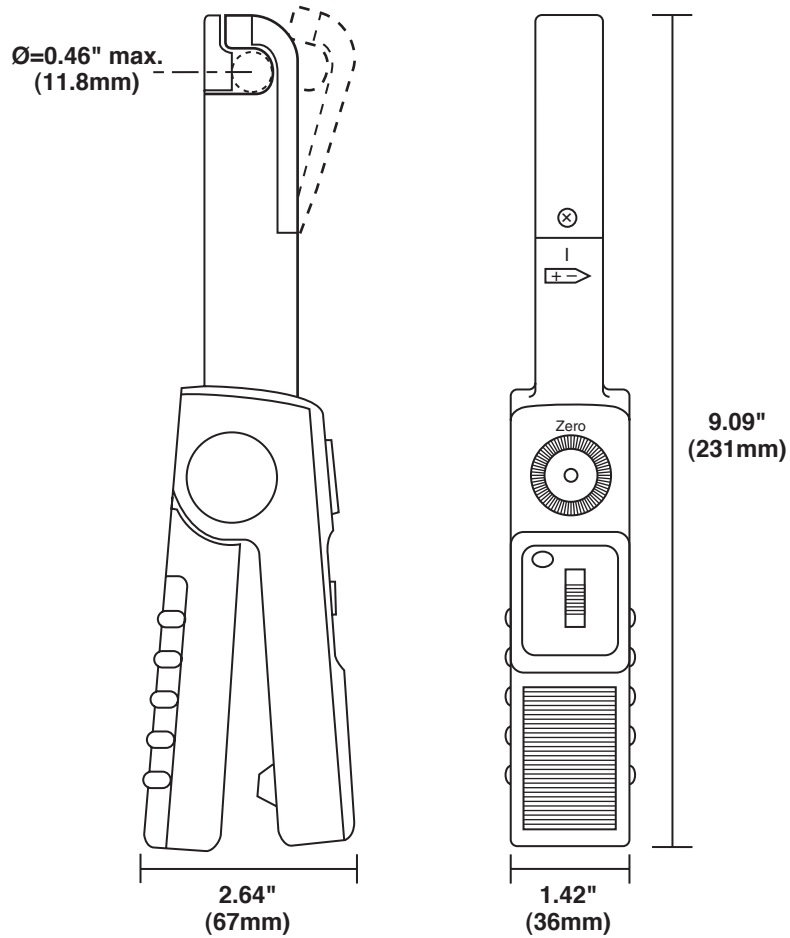
- Circuit board testing
- Motor controllers
- Automotive circuitry

Specifications

MODEL	SL261
ELECTRICAL	
Nominal Range	10A & 100A
Measurement Range	100mA to 100A
Transformation Ratio	Voltage output
Output Signal	10A: 100mV/A 100A: 10mV/A
Accuracy (100mV/A Range) 50mA to 10A Peak 500mA to 40A Peak 40A to 100A Peak	3% of Reading ± 50mA
	±4% of Reading ± 50mA
	±15% max @ 100A
Phase Shift (10mV/A Range) DC	to 65Hz 1.5°
Overload	Red LED indicates input greater than the selected range
Frequency Range	DC to 100kHz (-3dB with current derating)
Load Impedance	>1MΩ/100pF
Working/Common Mode Voltage	600Vrms
Output Termination	6.5 ft coaxial cable
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
UL Approval	Yes – Canada and United States
Double Insulation <input type="checkbox"/>	Yes
CE Mark	Yes

Note: Reference conditions:

Model SL261: 23°C ± 5°K, 20 to 75% RH, DC to 1kHz, probe zeroed, 1 minute warm-up, battery at 9V ± 0.1V, external magnetic field < 40A/m, no DC component, no external current carrying conductor, 1MΩ/100pF load, conductor centered.



Lead with BNC:
 Insulated 6.5 ft
 (2m) coaxial cable
 with insulated BNC
 connector rated
 600Vrms