

# CURRENT MEASUREMENT PROBES

## SL SERIES AC/DC CURRENT PROBES

### SL SERIES



Model SL206

Compact, long nose probes designed for accurate measurements of low currents with 10mA<sub>dc</sub> sensitivity, capable of measuring both AC and DC current



Only SL261

## FEATURES

### SL SERIES AC/DC CURRENT PROBES

- Low AC and DC measurements
- Measures from 10mA to 100A
- Dual range selection
- Unique design for probing in crowded wiring areas
- Hall effect sensor technology
- UL approved for the US and Canada
- Flame retardant UL94 V2 rated
- Use with DMMs, voltmeters and other voltage measuring instruments

## SPECIFICATIONS

MODELS	SL206	SL261
<b>Nominal Range</b>	2A; 80A	10A; 100A <sub>AC/DC</sub> peak
<b>Measurement Range</b>	10mA to 80A <sub>ac</sub> ; 10mA to 60A <sub>ac</sub>	100 mA to 100A <sub>AC/DC</sub> peak
<b>Transformation Ratio</b>	Voltage output	
<b>Output Signal</b>	2A: 1mV/mA (2V @ 2A) 80A: 10mV/A (0.8V @ 80A)	10A: 100mV/A (1V @ 10A) 100A: 10mV/A (1V @ 100A)
<b>Accuracy</b>		
(1mV/mA Range) 10mA to 2ADC/10mA to 1.5A <sub>AC</sub>	2% of Reading ± 5mA	-
(10mV/A Range) 50mA to 50ADC 50mA to 40AAC 50 to 80ADC 40 to 60AAC	4% of Reading ± 20mA 4% of Reading ± 20mA 12% of Reading 12% of Reading	-
(10mV/A Range) 500mA to 40AAC/DC Peak 40 to 80AAC/DC Peak 80 to 100AAC/DC Peak	-	4% of Reading ± 50mA 12% of Reading ± 50mA 15% of Reading
(100mV/A Range) 50mA to 10AAC/DC Peak	-	3% of Reading ± 50mA
<b>Phase Shift (DC to 65 Hz)</b>		
(1mV/mA Range)	1°	-
(10mV/mA Range)	1°	<1°
(100mV/mA Range)	-	<1.5°
<b>Overload</b>	120A continuous	Red LED indicator
<b>Frequency Range</b>	DC to 8kHz	DC to 100kHz (-3dB with current derating)
<b>Load Impedance</b>	100kΩ (1mV/mA); 10kΩ (1V/A)	>1MΩ/100pF
<b>Working/Common Mode Voltage</b>	600V <sub>rms</sub>	
<b>Output Termination</b>	5ft (1.5m) lead with double insulated 4mm safety banana plugs	6.5 ft (2 m) coaxial cable with insulated BNC terminal
<b>MECHANICAL</b>		
<b>Operating Temperature</b>	32° to 122°F (0° to 50°C)	
<b>Storage Temperature</b>	-22° to 176°F (-30° to 80°C)	
<b>Operating Relative Humidity</b>	10° to 30°C: 85 ± 5% RH (without condensation) 40° to 50°C: 45 ± 5% RH (without condensation)	
<b>Maximum Conductor Size</b>	0.46" (11.8mm)	
<b>Dimensions</b>	9.09 x 1.42 x 2.64" (231 x 36 x 67mm)	
<b>Weight</b>	11.6 oz (330g) with battery	
<b>Material</b>	Polycarbonate UL 94	
<b>SAFETY</b>		
<b>Electrical</b>	EN 61010-2-32, 600V CAT III	
<b>CE Mark</b>	Yes	

CATALOG NO.	DESCRIPTION
1201.45	AC/DC Current Probe Model SL206
1201.51	AC/DC Current Probe Model SL261 (BNC)

