

CURRENT MEASUREMENT PROBES

SL SERIES AC/DC CURRENT PROBES

SL SERIES



Compact, long nose probes designed for accurate measurements of low currents with 10mA dc 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
Nominal Range	2A; 80A	10A; 100AAC/DC peak
Measurement Range	10mA to 80ADC; 10mA to 60AAC	100 mA to 100AAC/DC peak
Transformation Ratio	Voltage output	
Output Signal	2A: 1mV/mA (2V @ 2A) 80A: 10mV/A (0.8V @ 80A)	10A: 100mV/A (1V @ 10A) 100A: 10mV/A (1V @100A)
Accuracy		-
(1mV/mA Range) 10mA to 2ADC/10mA to 1.5AAC	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
Phase Shift (DC to 65 Hz)		
(1mV/mA Range)	1°	-
(10mV/mA Range)	1°	<1°
(100mV/mA Range)	-	<1.5°
Overload	120A continuous	Red LED indicator
Frequency Range	DC to 8kHz	DC to 100kHz (-3dB with current derating)
Load Impedance	100kΩ (1mV/mA); 10kΩ (1V/A)	>1MΩ/100pF
Working/Common Mode Voltage	600Vrms	
Output Termination	5ft (1.5m) lead with double insulated 4mm safety banana plugs	6.5 ft (2 m) coaxial cable with insulated BNC terminal
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	
Material	Polycarbonate UL 94	
SAFETY		
Electrical	EN 61010-2-32, 600V CAT III	
CE Mark	Yes	

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