

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_{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; 100A _{ac/dc} peak
Measurement Range	10mA to 80A _{dc} ; 10mA to 60A _{ac}	100 mA to 100A _{ac/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 2A _{dc} /10mA to 1.5A _{ac}	2% of Reading ± 5mA	-
(10mV/A Range) 50mA to 50A _{dc} 50mA to 40A _{ac} 50 to 80A _{dc} 40 to 60A _{ac}	4% of Reading ± 20mA 4% of Reading ± 20mA 12% of Reading 12% of Reading	-
(10mV/A Range) 500mA to 40A _{ac/dc} Peak 40 to 80A _{ac/dc} Peak 80 to 100A _{ac/dc} Peak	-	4% of Reading ± 50mA 12% of Reading ± 50mA 15% of Reading
(100mV/A Range) 50mA to 10A _{ac/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)