

SR600 SERIES SPECIFICATIONS

The SR661 is a range selectable probe that offers 3 switch selectable ranges of 20, 200 or 2000Apk (Peak). This probe has a voltage output proportional at the current measured in the jaw of the probe.

The SR661 has an integral 6.5 ft. (1.98m) lead terminated by BNC connector. The high accuracy and wide frequency response makes this probe an excellent choice for use with oscilloscopes.

ELECTRICAL SPECIFICATIONS				
SR661				
Nominal Range:	20Apk, 200Apk, 2000Apk			
Measurement Range:	0.1 to 2000Apk			
Output Signal:	mV output signal (2V Peak max); 4 range switch selectable on handle 100mV/A: 10mA to 20A Peak; 10mV/A: 0.1mA to 200A Peak; 1mV/A: 1mA to 2000A Peak			
Range: 1mV/A, (1V at 1000A)	Current*:	1 to 50A	50A to 200A	200 to 1000A
	Accuracy*:	1% ±1mV	1% ±1mV	1% ±1mV
	Phase Shift*:	N/A	1.5°	0.5°
Overload:	1200A for 40 min ON, 20 min OFF			
Range: 10mV/A, (1V at 100A)	Current*:	0.1 to 5A	5A to 20A	20 to 100A
	Accuracy*:	2% ±5mV	2% ±5mV	2% ±5mV
	Phase Shift*:	N/A	3°	2°
Overload:	120A continuous			
Range: 100mV/A, (1V at 10Arms)	Current*:	0.1 to 0.5A	0.5A to 20A	2 to 10A
	Accuracy*:	3% ±10mV	3% ±10mV	3% ±10mV
	Phase Shift*:	20°	15°	15°
Overload:	12A continuous			
Frequency Range (with current derating):	1Hz to 100kHz (@ -3dB) See typical response curves			
Crest Factor:	6			
Working/Common Mode Voltage:	600V Category III			
Output Termination:	6.5 ft. BNC			

*Note: Reference conditions: 23°C ±3°K, 20 to 75% RH, 48 to 65Hz, external magnetic field <40A/m, no DC component, no external current carrying conductor, test sample centered. Load impedance 1M @ 47pf.

MECHANICAL SPECIFICATIONS	
Operating Temperature:	14° to 122°F (-10° to +50°C)
Storage Temperature:	-4° to 158°F (-20° to +70°C)
Operating Relative Humidity:	0 to 85% @ 35°C
Jaw Opening:	2.25" (57mm) max
Maximum Conductor Size:	2.05" (52mm)
Maximum Bus Bar Size:	One 1.95 x 0.19 (50 x 5mm)
Vibration:	5 to 15Hz, 0.15mm(IEC 68-2-6); 15 to 25Hz, 1mm; 25 to 55Hz, 0.25mm
Dimensions:	4.37 x 8.50 x 1.77" (111 x 216 x 45mm)
Weight:	1.21 lbs. (550g)
Polycarbonate Material:	Handles: Polycarbonate +ABS, Gray, UL94V0. Jaws: Polycarbonate, Red, UL94V0

SAFETY SPECIFICATIONS	
Electrical:	IEC 1010-2-32; 600V, Category III, Pollution Degree 2; CE Marked
Electromagnetic Compatibility:	CE Marked

ORDERING INFORMATION	CATALOG NO.
SR661 AC Current Probe SR661 (BNC - 100mV/A- 10A; 10mV/A- 100A; 1mV/A - 1000Amax)	Cat. # 2113.49
These probes are shipped with an instruction manual and a product warranty and registration card.	
Accessories: Banana (Male) - BNC (Female) Adaptor	Cat. # 2111.32

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