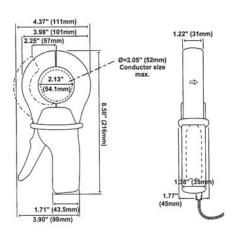
RC-SR704 AC Current Probe





OVERVIEW

PRODUCT HIGHLIGHTS: The RC-SR704 is a robust current probe designed for AC current measurements up to 800 Amps. The unique ergonomic design of the RC-SR704 makes it an ideal current probe to easily clamp onto cables or small bus bars. The RC-SR704, with its excellent transformation, low phase shift, and broad frequency response characteristics provides for accurate measurements of current for power and power quality testing applications. The RC-SR704 works as a traditional current transformer with a transformation ratio of 1000:1. Radian Research has terminated the RC-SR704 with a seven-pin Redel connector to provide for direct connection to Radian Research RD reference standards.

SPECIFICATIONS

MODEL RC-SR704		
Electrical		
Measurement Range		10mA to 800A
Transformation Ratio		1000:1
Output Signal		1mA/A (800mA @ 800A)
Accuracy @45 to 65Hz	10mA to 800A	< 0.05%
Phase Shift @45 to 65Hz	10mA to 800A	< 0.01°
Frequency Range		30 Hz to 5 kHz
Load Impedance		5 ohms max
Working/Common Mode Volta	age	600Vrms, Cat. III
Output Termination		5 ft. Lead w/7 pin Redel Connector
Mechanical		
Operating Temperature		14° F to 122° F (- 10° C to 50° C)
Storage Temperature		- 4º F to 158º F (- 20º C to 70º C)
Operating Relative Humidity		0% to 85% @ 35° C
Jaw Opening		2.25" (57mm) max
Maximum Conductor Size		2.05" (52mm) max
Dimensions		4.37" x 8.50" x 1.77" (111mm x 216mm x 45mm)
Weight		1.475 lbs (669g)
Body Material		Polycarbonate, UL94 V0

The RC-SR704 is a SR704 AC current probe manufactured by AEMC[®] Instruments then modified by Radian Research, Inc.

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Radian Research reserves the right to change any information without notice.