



OVERVIEW

PRODUCT HIGHLIGHTS: The RC-MN106 is a small, compact, and rugged current probe designed for AC current measurements up to 150 Amps. The “clothes-pin” shape makes the RC-MN106 ideal for working in extremely tight environments. The RC-MN106 works as a traditional current transformer with a transformation ratio of 1000:1. Radian Research has terminated the RC-MN106 with a seven-pin Redel connector to allow for direct connection to a Radian Research RD reference standard. The RC-MN106 provides for true RMS measurements when used in conjunction with a Radian Research RD reference standard with RMS measurement capability.

SPECIFICATIONS

MODEL RC-MN106		
Electrical		
Measurement Range		0.2A to 150A
Transformation Ratio		1000:1
Output Signal		1mA/A (150mA @ 150A)
Accuracy	0.2A to 1A	≤ 1.0%
	1A to 150A	± 0.2%
Phase Shift	0.2A to 150A @ 45 to 65Hz	< 1°
Frequency Range		-
Load Impedance		5 ohms max noninductive
Working/Common Mode Voltage		250V
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		- 40° F to 176° F (- 40° C to 80° C)
Operating Relative Humidity		0% to 85% @ 10 to 35° C
Jaw Opening		0.78" (20mm) Max
Maximum Conductor Size		0.47" (12mm) max
Dimensions		1.26" x 4.53" x 0.87" (32mm x 115mm x 22mm)
Weight		0.40 lbs (181g)
Body Material		Polycarbonate, UL94 V0

The RC-MN106 is a MN106 AC current probe manufactured by AEMC® Instruments then modified by Radian Research, Inc.

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