

RC-MN106

AC Current Probe

Overview

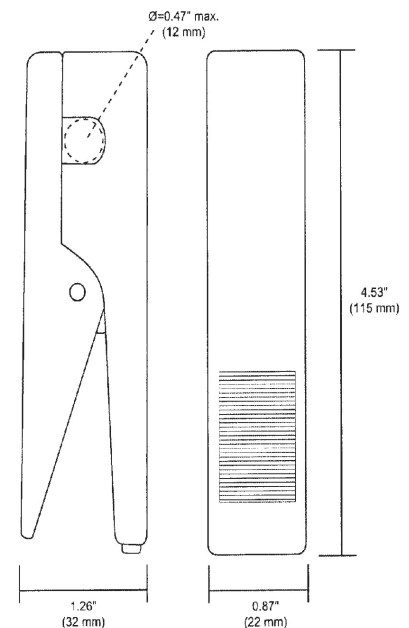
PRODUCT HIGHLIGHTS: The RC-MN106 is a small, compact, and rugged current probe designed for AC current measurements up to 150 Amps. The “clothes-pin” shape makes the RC-MN106 ideal for working in extremely tight environments.

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.



Technical 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%	
	@45-65Hz	1A to 150A	± 0.2%
Phase Shift	0.2A to 150A	< 1°	
	@ 45 to 65Hz		
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^R Instruments then modified by Radian Research, Inc.

Radian Research, Inc.
www.radianresearch.com

3852 Fortune Drive
Lafayette, Indiana 47905

phone 765-449-5500
fax 765-448-4614

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Power and Energy Measurement Specialists