

Small, compact and very tough, the Model MN106 is designed for measurements from 2A to 150AAc. The "clothes pin" shape makes it ideal for use in tight areas, such as breaker panels, controller panels or outlets. It is an excellent companion to all DMMs.

Model MN106 works as a traditional current transformer (with a ratio of 1000:1) and provides current outputs (mA) for use with DMMs, recorders or instruments with current ranges. The Model MN106 permits True RMS measurements when used with a True RMS instrument.

### **Features**

- Small, compact and very tough AC probes
- "Clothes pin" shape makes them ideal for use in tight areas, such as breaker panels, controller panels, or outlets
- Measurements from 2A to 150AAC
- Excellent companion to all DMMs.
  Permits very low AC current measurements

## **Applications**

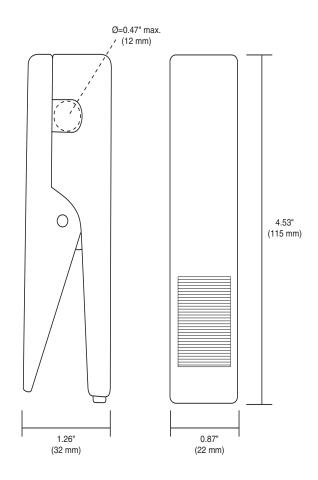
- · Electrical utility
- HVAC
- · Industrial maintenance
- Laboratory
- · Plant maintenance

## **Specifications**

MODELS	MN106	
ELECTRICAL		
Nominal Range	150A	
Measurement Range	2 to 170A	
Transformation Ratio	1000:1	
Output Signal	1mAac/Aac (150mA @ 150A)	
<b>Accuracy</b> (150A Range) 45 to 65Hz 65 to 1000Hz	±2.5% of Reading ± 0.15A ±4.5% of Reading ± 0.15A	
Phase Shift (150A Range)	±4.5% OF Reduilig ± 0.15A	
2 to 120A/ 50 to 6Hz	≤10°	
Overload	170A continuous	
Frequency Range	-	
Load Impedance	$5\Omega$ max noninductive	
Working/Common Mode Voltage	250V	
Output Termination	5 ft Lead	
MECHANICAL		
Operating Temperature	14° to 122°F (-10° to 50°C)	
Storage Temperature	-40° to 176°F (-40° to 80°C)	
Operating Relative Humidity	10 to 35°C 85% RH (without roll-off above 35°C)	
Jaw Opening	0.78" (20mm)	
Maximum Conductor Size	0.47"Ø max (12mm)	
Dimensions	1.26 x 4.53 x 0.87" (32 x 115 x 22mm)	
Weight	5.6 oz (160g)	
Polycarbonate Material	Handles 10% fiberglass charged polycarbonate UL94 VO	
SAFETY		
Electrical	250V working voltage, 250V max common mode between output and ground, 3kV 50/60Hz dielectric for 1mm	

Note: Reference conditions: 23°C ±3K, 20 to 70%RH, external magnetic field <40A/m, no DC component, no external current carrying conductor, test sample centered, load impedance  $1M\Omega$ .







# Leads: Double/reinforced 5 ft (1.5m) lead with safety 4mm banana plug

ORDERING INFORMATION	CATALOG NO.
AC Current Probe Model MN106 (Lead – 1mA/A – 150A max)	Cat. #1031.17
Includes a user manual	
Accessories (Optional)	
Banana plug adaptor (to nonrecessed plug)	Cat. #1017.45





#### Contact Us

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