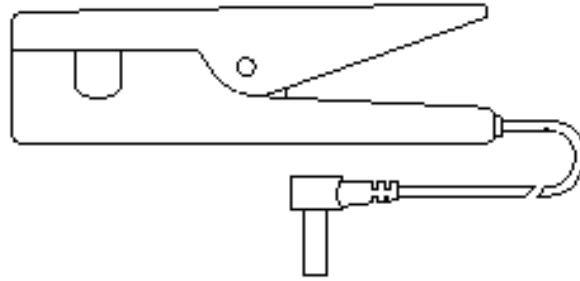


# AC Current Probe **MN Series Probes**

## Model MN106/MN107

<b>Current:</b>	150 A AC
<b>Ratio:</b>	1000:1
<b>Output:</b>	1 mA/A



### **ELECTRICAL SPECIFICATIONS**

Current Range:  
2 to 150 A AC, continuous duty cycle  
Transformation Ratio: 1000:1  
Output Signal:  
1 mA AC/ A AC (150 mA @ 150 A)  
Accuracy and Phase Shift\*:  
Accuracy:  
45 to 65 Hz:  $\pm 2.5\%$  of reading  $\pm 0.15$  A  
65 to 1000 Hz:  $\pm 4.5\%$  of reading  $\pm 0.15$  A  
Phase Shift:  
10° from 2 to 120 A 50 to 60 Hz  
Frequency Range:  
45 to 1000 Hz  
Load Impedance:  
5 max noninductive  
Maximum Open Voltage (MN107 only):  
1.2 V AC by diode protection  
Overload: 170 A continuous  
Working Voltage: 600 V AC  
Common Mode Voltage:  
600 V AC

### **MECHANICAL SPECIFICATIONS**

Operating Temperature:  
14° to 122°F (-10° to 50°C)  
Storage Temperature:  
-40° to 176°F (-40° to 80°C)  
Temperature Influence:  
<0.2% per 10°K  
Maximum Conductor Size:  
0.47" Ø max (12 mm)  
Polycarbonate Material:  
Handles: 10% fiberglass charged polycarbonate UL 94 V0  
Dimensions:  
1.26 x 4.53 x 0.87" (32 x 115 x 22 mm)  
Weight: 5.6 oz (160 g)  
Colors:  
Dark gray handles with red cover  
Output:  
5 ft (1.5 m) lead with safety 4 mm banana plug

### **SAFETY SPECIFICATIONS**

Electrical:  
- 600 V working voltage  
- 600 V max common mode between output and ground  
- 3 kV 50/ 60 Hz dielectric  
Electromagnetic Compatibility (CE Mark):  
EN 50081-1 Class B  
EN 50082-2 Electrostatic discharge IEC 1000-4-2  
Radiated field IEC 1000-4-3  
Fast transients IEC 1000-4-4  
Magnetic field at 50/ 60 Hz IEC 1000-4-8

(\*Reference conditions: 23°C  $\pm 3$ °K, 20 to 85% RH, external magnetic field <40 A/ m, no DC component, no external current carrying conductor, test sample centered, load impedance 1 .)

<b>ORDERING INFORMATION</b>	<b>CATALOG NO.</b>
AC Current Probe Model MN106 includes instruction manual . . . . .	Cat. #1031.17
AC Current Probe Model MN107 includes instruction manual . . . . .	Cat. #1031.18
Accessories	
Banana plug adaptor (to nonrecessed plug). . . . .	Cat. #1017.45



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