

AC Current Probe Model MN106



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

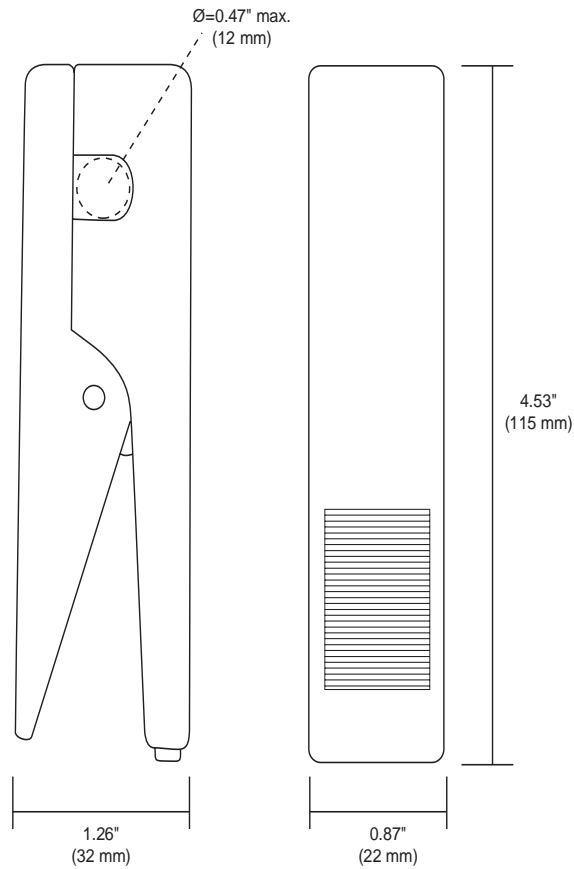
- Electrical utility
- HVAC
- Industrial maintenance
- Laboratory
- Plant maintenance

Specifications

MODELS	MN106
ELECTRICAL	
Nominal Range	150A
Measurement Range	2 to 170A
Transformation Ratio	1000:1
Output Signal	1mA _{AAC} /A _{AAC} (150mA @ 150A)
Accuracy (150A Range)	
45 to 65Hz	±2.5% of Reading ± 0.15A
65 to 1000Hz	±4.5% of Reading ± 0.15A
Phase Shift (150A Range)	
2 to 120A/ 50 to 6Hz	≤10°
Overload	170A continuous
Frequency Range	–
Load Impedance	5Ω 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 V0
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 1MΩ.



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

United States and Canada:

Chauvin Arnoux[®], Inc.
d.b.a. AEMC[®] Instruments
200 Foxborough Blvd.
Foxborough, MA 02035 USA
(508) 698-2115 • Fax (508) 698-2118
www.aemc.com

Customer Support – for placing an order, obtaining price and delivery:
customerservice@aemc.com

Sales Department – for general sales information:
sales@aemc.com

Repair and Calibration Service – for information on repair and calibration, obtaining a user manual:
repair@aemc.com

Technical and Product Application Support – for technical and application support:
techinfo@aemc.com

Webmaster – for information regarding www.aemc.com:
webmaster@aemc.com

South America, Central America, Mexico, Caribbean, Australia and New Zealand:

Chauvin Arnoux[®], Inc.
d.b.a. AEMC[®] Instruments
15 Faraday Drive
Dover, NH 03820 USA
(978) 526-7667 • Fax (978) 526-7605
export@aemc.com
www.aemc.com

All other countries:

Chauvin Arnoux SCA
190, rue Championnet
75876 Paris Cedex 18, France
33 1 44 85 45 28 • Fax 33 1 46 27 73 89
info@chauvin-arnoux.com
www.chauvin-arnoux.com