

AC Current Probe Model JM815A



The Model JM815A is a high performance AC current probe for higher currents. Excellent transformation and low phase shift, plus a broad frequency response, permit accurate measurements of current and power. The high quality magnetic cores and uniform windings provide for accurate measurements up to 1200Aac. The "squared" jaw permits multiple conductor or bus bar positioning. The Model JM815A provides excellent True RMS capabilities and reliable signal reproduction.

The Model JM815A first works as a traditional current transformer providing current outputs (mA) over a broad range of transformation ratios. The Model JM815A is designed for use on DMMs, power and harmonic meters, recorders or instruments with AC current ranges.

Features

- Nominal range: up to 1000Aac (continuous cycle for the full temperature range)
- Transformation ratio: 1000:5
- Output: 5mA/A
- Designed for use on DMMs, power and harmonic meters, recorders or instruments with AC current ranges

Applications

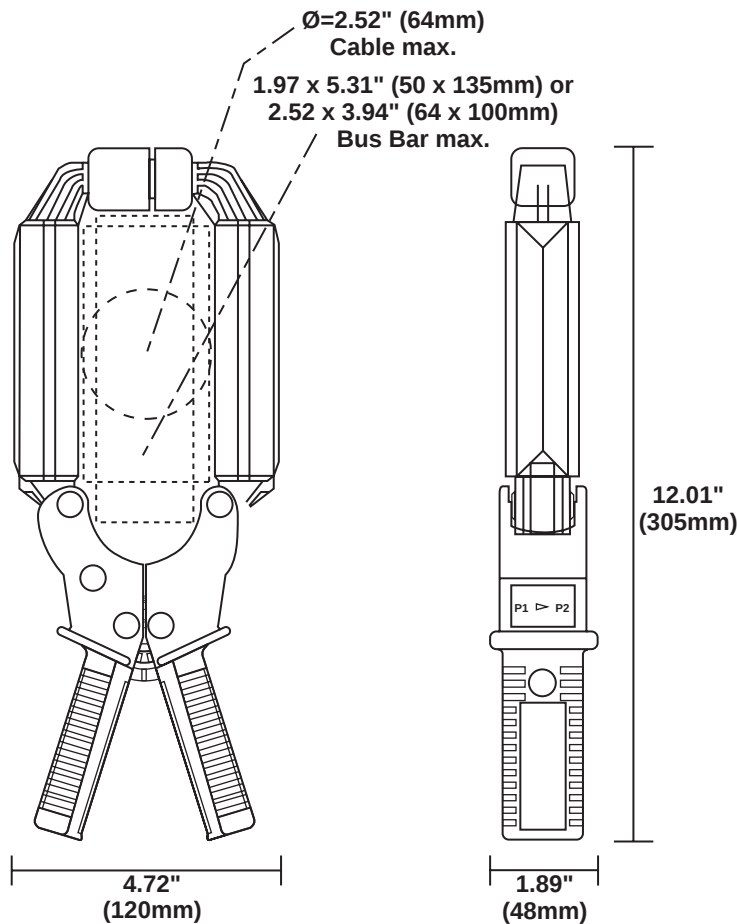
- Field testing
- Electrical utility
- HVAC
- Industrial maintenance
- Laboratory
- Plant maintenance

Specifications

MODEL	JM815A
ELECTRICAL	
Nominal Range	1000A
Measurement Range	1 to 1200A
Transformation Ratio	1000:5
Output Signal	5mA _{AC} /A _{AC} (5A @ 1000A)
Accuracy (1000A Range) 50A 200A 1000A	3% of Reading
	1.5% of Reading
	0.5% of Reading
Phase Shift (1000A Range) 50A 200A 1000A	1.5°
	0.75°
	0.5°
Overload	1200A continuous
Frequency Range	30Hz to 5kHz; current derating above 1kHz for continuous use
Load Impedance	≤5Ω
Working/Common Mode Voltage	600V _{AC}
Output Termination	5 ft Lead
MECHANICAL	
Operating Temperature	14° to 122°F (-10° to 50°C)
Storage Temperature	-13° to 176°F (-25° to 80°C)
Jaw Opening	3.54" (90mm)
Maximum Conductor Size	Cable: 2.52" Ø max (64mm); Bus bar: 1.97 x 5.31" (50 x 135mm); 2.52 x 3.94" (64 x 100mm)
Dimensions	4.72 x 12.40 x 1.89" (120 x 315 x 48mm)
Weight	2.65 lbs (1200g)
Polycarbonate Material	Handles: 10% fiberglass charged polycarbonate UL94 V0; Jaws: ABS UL V2
SAFETY	
Electrical	EN 61010-2-32
CE Mark	Yes

Note: Reference conditions:

23°C ± 3°K, 20 to 85% RH, 48 to 65Hz, external magnetic field <40A/m, no DC component, no external current carrying conductor, test sample centered. Load impedance 0.2Ω.



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

ORDERING INFORMATION

CATALOG NO.

AC Current Probe Model JM815A (Lead – 5mA/A – 1000A max).	Cat. #2110.81
Includes a user manual	
Accessories (Optional)	
Pair, safety current leads (5 ft retractable, rated 250V).	Cat. #100.319
Banana plug adaptor (to nonrecessed plug)	Cat. #1017.45
Leads, set of 2, 5 ft safety (1000V)	Cat. #2111.29
Banana/BNC Connector XF-SS (4mm banana plug)	Cat. #2111.32
Leads No. 211 for probe 5 A series (5 ft, rated 250V)	Cat. #2950.06

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