

AC Current Probe Model MD304



The Model MD304 is built for ruggedness, versatility and ease of use. It is designed with a unique hook-shaped jaw that enables the user to “pry” into or “hook” onto cables (will accept 2 x 500MCM) or even smaller bus bars.

The Model MD304 measures up to 600A. It works as a traditional current transformer (with ratios of 100:1 or

1000:1) and provides current outputs (mA) for use on DMMs, recorders or instruments with current ranges.

Model MD304 uses Hall effect technology and measures to 1000A_{DC} and 700A_{AC}. The electronics and batteries are self-contained in the handles. The output of Model MD304 is 1mV/A.

Features

- Unique hook-shaped jaws that enable the user to “pry” into or “hook” onto cables
- Maximum conductor size is 2 x 500MCM
- Works as a traditional current transformer with ratio of 1000:1

Applications

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

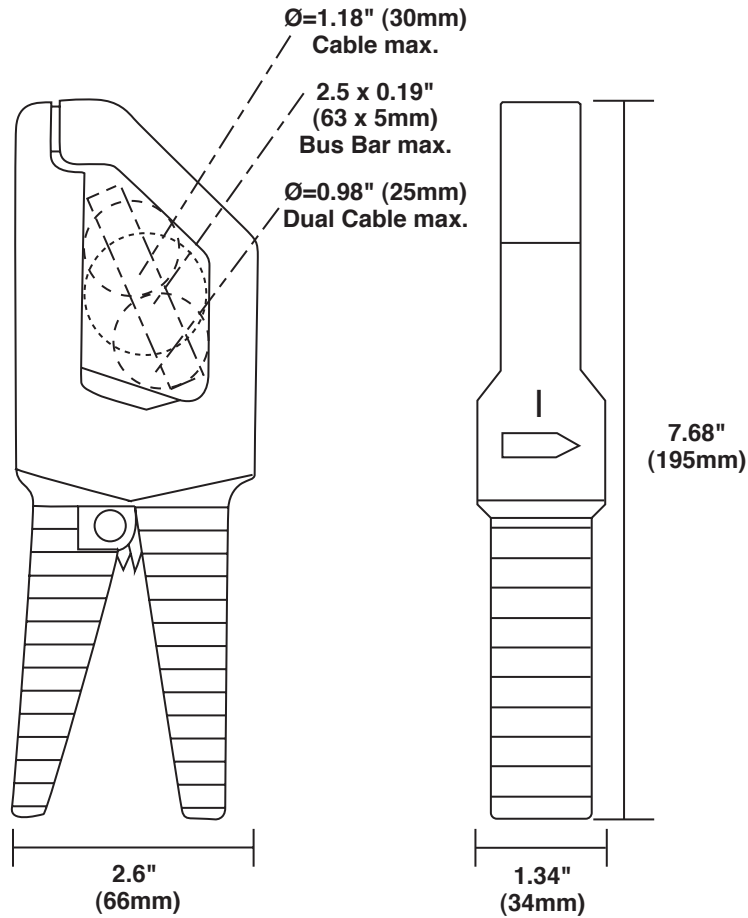
Specifications

MODEL	MD304
ELECTRICAL	
Nominal Range	600A
Measurement Range	1 to 700AAC
Transformation Ratio	100:1
Output Signal	10mA _{AC} /AAC
Accuracy (600A Range)	
25A	5% of Reading
100A	2.5% of Reading
250A	2% of Reading
600A	3% of Reading
Phase Shift (600A Range)	
25A	6°
100A	5°
250A	3°
500A	3°
Overload	700A for 10 min
Frequency Range	48 to 1000Hz (error: add 1% to the ref.)
Load Impedance	0.1Ω max noninductive
Working Voltage	600Vrms
Common Voltage	30Vrms
Output Termination	5 ft Lead
MECHANICAL	
Operating Temperature	-5° to 122°F (-15° to 50°C)
Storage Temperature	-40° to 185°F (-40° to 85°C)
Jaw Opening	1.3" (33mm)
Maximum Conductor Size	1.18" (30mm), Max Bus Bar size: 2.48 x 0.20" (63 x 5mm)
Dimensions	2.6 x 7.68 x 1.34" (66 x 195 x 34mm)
Weight	14.82 oz (420g)
Polycarbonate Material	Handles: 10% fiberglass charged polycarbonate UL94 VO
SAFETY	
Electrical	EN 61010-2-032 600V, Cat. III, Pollution: 2; 300V, Cat. IV, Pollution: 2
Electromagnetic Compatibility	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 50/60Hz IEC 1000-4-8
Double Insulation <input type="checkbox"/>	Yes
CE Mark	Yes

Note: Reference conditions:

23°C ± 5°K, 20 to 75% RH,

45 to 65Hz, external magnetic field <40A/m, no DC component, no external current carrying conductor, test sample centered, 0.1Ω load.



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

ORDERING INFORMATION

CATALOG NO.

AC Current Probe Model MD304 (Lead – 10mA/A – 600A max)	Cat. #1201.37
Includes a user manual	
Accessories (Optional)	
Banana plug adaptor (to nonrecessed plug)	Cat. #1017.45

Contact Us

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