

AC Current Probe Model MD305



The Model MD305 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 MD305 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.

The Model MD305 uses Hall effect technology and measure to 1000Aac and 700Aac. The electronics and batteries are self-contained in the handles. The output of AC probes 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
- Double Insulation
- CE Mark

Applications

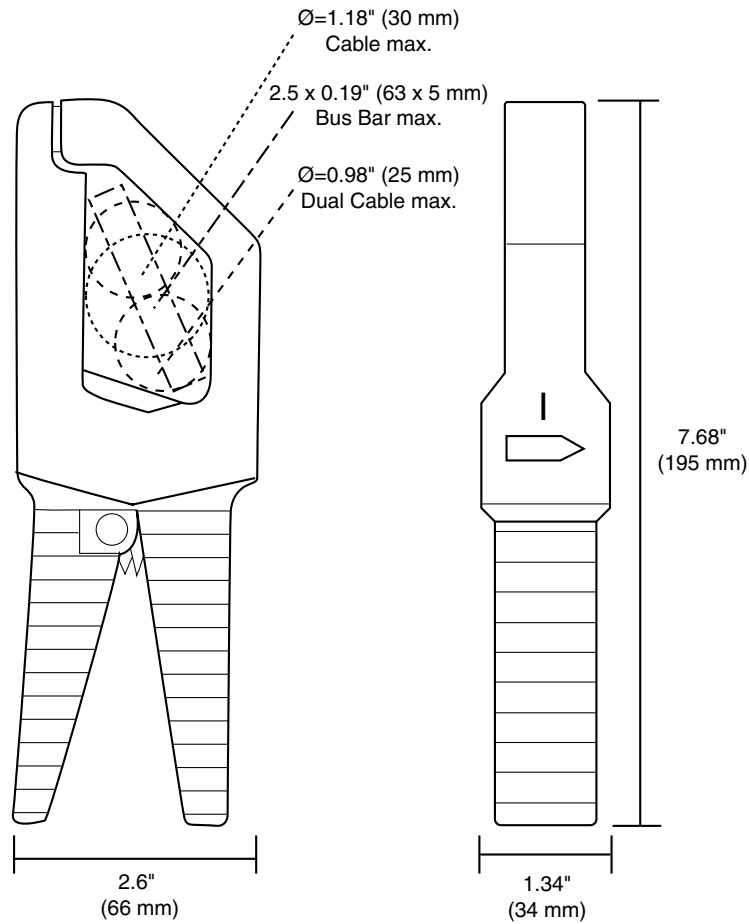
- Electric utility
- Field testing
- HVAC
- Industrial maintenance
- Laboratory
- Plant maintenance

Specifications

MODEL	MD305
ELECTRICAL	
Nominal Range	600A
Measurement Range	1 to 700A
Transformation Ratio	1000:1
Output Signal	1mA/AAC/AAC
Accuracy (600A Range)	
25A	3% of Reading
100A	1.5% of Reading
250A & 500A	1% of Reading
600A	2% of Reading
48 to 440 Hz	-
440 to 1000Hz	-
Phase Shift (600A Range)	
25A	3°
100A	1.5°
250A & 500A	1°
600A	1°
45 to 1000Hz	-
Overload	700A for 10 min
Frequency Range	48 to 1000Hz (error: add 2% to ref.)
Load Impedance	5Ω max noninductive
Working/Common Mode Voltage	600Vrms
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	10% fiberglass charged polycarbonate UL94 V0
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:

Model MD305: 23°C ± 5°K, 20 to 75% RH, external magnetic field <40A/m, no DC component, no external current carrying conductor, test sample centered, 5Ω load.



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

ORDERING INFORMATION

CATALOG NO.

AC Current Probe Model MD305 (Lead – 1mA/A – 600A max) **Cat. #1201.36**

Includes a user manual

Accessories (Optional)

Banana plug adaptor (to nonrecessed plug)Cat. #1017.45

Contact Us

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