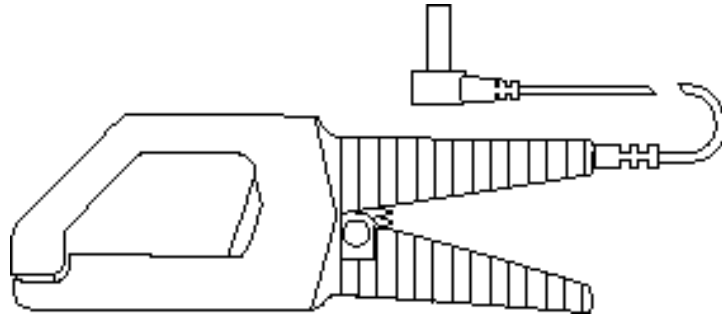


AC Current Probe Model MD304

MD Series Probes

Current:	600 A AC
Ratio:	100:1
Output:	10 mA/A



ELECTRICAL SPECIFICATIONS

Current Range: 1 to 600 A AC

Transformation Ratio: 100:1

Output Signal: 10 mA AC/ A AC

Accuracy*:

Primary Current	25 A	100 A	250 A; 500 A	600 A*
Accuracy % of Reading	5%	2.5%	2%	3%
Phase Shift	6°	5°	3°	3°

* 600 A for 20 mm max

Overload:

700 A for 10 mn

Frequency Range:

48 to 1000 Hz (error: add 1% to ref.)

Load Impedance:

0.1 max noninductive

Working Voltage:

600 Vrms

Common Mode Voltage:

30 Vrms

Influence of Adjacent Parallel

Conductor: < 30 mA/ A at 50 Hz

Influence of Conductor in Jaw Opening:

< 1%

(*Reference conditions: 23°C ±5°K, 20 to 75% RH, 45 to 65 Hz, external magnetic field < 40 A/m, no DC component, no external current carrying conductor, test sample centered, 0.1 load.)

MECHANICAL SPECIFICATIONS

Operating Temperature:

-5° to 122°F (-15° to 50°C)

Storage Temperature:

-40° to 185°F (-40° to 85°C)

Temperature Influence:

<0.1% per 10°K

Altitude:

Operating: 0 to 2000 m

Non-operating: 0 to 12,000 m

Jaw Opening: 1.3" (33 mm)

Maximum Conductor Size:

1.18" (30 mm)

Maximum Bus Bar Size:

2.48 x 0.20" (63 x 5 mm)

Envelope Protection: IP 20 (IEC 529)

Drop Test: 1.5 m (IEC 68-2-32)

Mechanical Shock:

100 G (IEC 68-2-27)

Vibration:

10/ 55/ 10 Hz, 0.15 mm (IEC 68-2-6)

Polycarbonate Material:

Handles: 10% fiberglass charged polycarbonate UL 94 V0

Dimensions:

2.6 x 7.68 x 1.34" (66 x 195 x 34 mm)

Weight: 14.82 oz (420 g)

Colors: Dark gray handles

Output: Insulated 5 ft (1.5 m) lead with safety 4mm banana plugs

SAFETY SPECIFICATIONS

Electrical:

Double insulation or reinforced insulation between primary and outer case of handle per IEC 1010-2-032

- 600 V Category III, Pollution: 2

- 300 V Category IV, Pollution: 2

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

ORDERING INFORMATION

CATALOG NO.

AC Current Probe Model MD304 includes instruction manual Cat. #1201.37

Accessories

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



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