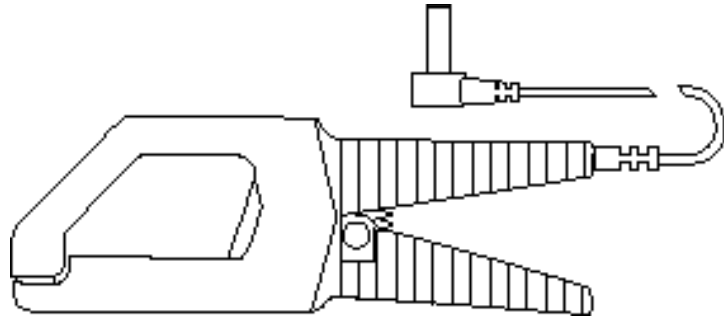


AC Current Probe Model MD303

MD Series Probes

Current:	500 A AC
Ratio:	1000:1
Output:	1 mA/A



ELECTRICAL SPECIFICATIONS

Current Range: 4 to 500 A AC
Transformation Ratio: 1000:1
Output Signal: 1 mA AC/ A AC
Accuracy*:

Primary Current	25 A	100 A	250 A	500 A
Accuracy % of Reading	4.5%	3.5%	3%	3%
Phase Shift	4°	2°	2°	2°

Class 3 at 1.25 VA

Phase Shift:

< 7° from 45 to 1000 Hz

Overload: 700 A for 10 mn

Frequency Range: 48 to 1000 Hz

Load Impedance:

5 max noninductive

Open Secondary Voltage:

Limited to 10 V Peak max

Working Voltage: 600 Vrms

Common Mode Voltage: 600 Vrms

Influence of Adjacent Parallel

Conductor: < 30 mA/ A at 50 Hz

Influence of Conductor in Jaw Opening:
± 1.5%

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

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:

Double insulated 5 ft (1.5 m) lead with safety banana plugs

SAFETY SPECIFICATIONS

Electrical:

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

- 600 V Category III, Pollution: 2

- 300 V Category IV, Pollution: 2

Electromagnetic Compatibility

(CEMark):

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 MD303 includes instruction manual Cat. #1201.21

Accessories

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



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