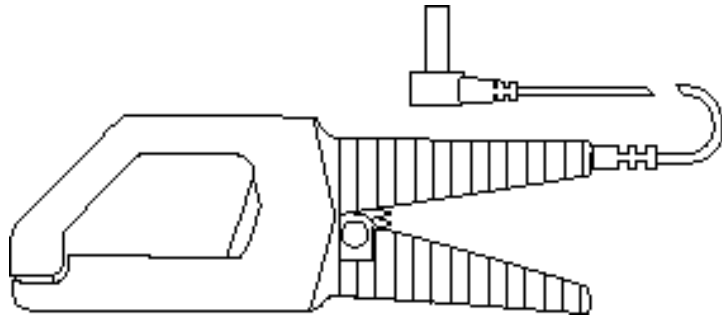


AC Current Probe MD Series Probes

Model MD301

Current:	500 A AC
Ratio:	1000:1
Output:	1 mV DC/A AC



ELECTRICAL SPECIFICATIONS

Current Range: 2 to 500 A AC
 Transformation Ratio: 1000:1
 Output Signal: 1 mV DC/ A AC
 Overload: 700 A for 10 mn
 Accuracy:

Primary Current	25 A	100 A	250 A	500 A
Accuracy % of Reading	5%	2%	1%	1%

Frequency Range:
 48 to 1000 Hz (error: add 2% to the ref.)
 Load Impedance:
 100 k
 Working Voltage:
 600 Vrms
 Common Mode Voltage:
 600 Vrms

(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, 10 M load.)

Influence of Adjacent Parallel Conductor: < 30 mA/ A at 50 Hz
 Influence of Conductor in Jaw Opening: < 1%

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 (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 MD301 includes instruction manualCat. #1201.07
 Accessories
 Banana plug adaptor (to nonrecessed plug)Cat. #1017.45



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