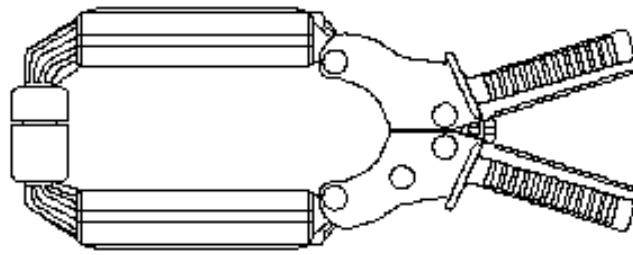


AC Current Probe Model JM813



Current	3000 A AC
Ratio:	3000:3
Output:	1 mA/A

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ELECTRICAL SPECIFICATIONS

Current Range: 1 to 2400 AAC, continuous cycle for the full temperature range. 3000A if ambient temperature < 35° Cor 95° F

Transformation Ratio: 3000 : 3

Output Signal: 1 mA AC/A AC (3A at 3000A) **Accuracy and Phase Shift*:**

Primary Current	150 A	600 A	3000 A
Accuracy % of Reading	0.5%	0.75%	0.5%
Phase Shift	15°	0.75°	0.5°

Overload: 3600 A during 5 mn
Accuracy: Per IEC 185-26-27 Class 0.5 from 48 to 1000Hz
Ampere Second Product: 90 A.s
Frequency Range: 30Hz to 5 kHz; current derating above 1 kHz for continuous use

(*Reference conditions: 23°C±3°K, 20 to 85% RH, 48 to 65Hz, external magnetic field <40 A/m, no DC component, no external current carrying conductor, test sample centered, load impedance 0.55 Ω.)

Load Impedance: < 0.6Ω
Working Voltage: 600 V AC
Common Mode Voltage: 600 V
AC Influence of Adjacent Conductor: 0.005 A per A AC
Influence of Conductor in Jaw Opening: 1%± 0.1 A of reading

MECHANICAL SPECIFICATIONS

Operating Temperature: 14° to 122°F (-10° to 50°C)
Storage Temperature: -13° to 176°F (-25° to 80°C)
Temperature Influence: <0.1% per 10°K
Jaw Opening: 3.54" (90mm)
Maximum Conductor Size: Cable: 2.52"Ø max. (64mm) Bus bar: 1.97x 5.31" (50x 135mm) 2.52x 3.94" (64x 100mm)
Envelope Protection: IP 20 (IEC529) **Drop Test:** 500 mm (IEC68-2-32)
Mechanical Shock: 100 G (IEC68-2-27)
Vibration: 10/55/10 Hz, 0.15mm (IEC68-2-6)

Polycarbonate Material: Handles: 10% fiberglass charged polycarbonate UL 94 V0
Jaws: ABS UL 94 V2
Dimensions : 4.72x 12.40x 1.89" (120x 315x 48 mm) **Weight:** 2.65lbs (1200g)
Colors: Dark gray handles with red jaws **Output:** 5 ft (1.5m) lead with safety 4 mm banana plug

SAFETY SPECIFICATIONS

Electrical : Double insulation or reinforced insulation between primary or secondary and outer case of handle up on IEC 1010
Common mode voltage: -600V Category III, Pollution: 2
 --300V Category IV, Pollution: 2
Electromagnetic Compatibility (CE mark): EN50081-1 Class B
 EN50082-2
 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 JM813 includes instruction manual **Cat. #211093**

Accessories

Leads, set of 2, 5-ft safety (1000 V) Cat. #211129
 Lead No. 211 for probe 5 A series (5-ft, rated 250 V) Cat. #295006

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