Universal Technic

Current Probe Model SC 2000A/ 2V

The SC 2000A/ 2V current probe is based on Hall Effect technology for use in measurement of both DC and AC current. The SC 2000A/ 2V may be used in conjunction with multimeters, recorders and other suitable equipment for accurate non intrusive current measurement.

Electrical Characteristics

Current Range ..... : 2000 A AC_{RMS} or DC
Measuring Range..... : ±2200 A
Overload Capacity ..... : 5000 A
Output Sensitivity..... : 1 mV/A
Resolution..... : ± 200 mA
Load Impedance ..... : ≥ 1MOhms and ≤ 100 pF
Bandwidth ..... : DC to 10 kHz (-1dB)
Conductor Position Sensitivity..... : ± 1.5% relative to centre reading
Temperature Coefficient ..... : ± 0.1% of reading / °C
Power Supply..... : 9 V Alkaline, MN1604/PP3
..... : 75 Hours, low battery indicator
Working Voltage (see Safety Standards section) ..... : 600 V AC_{RMS} or DC

Accuracy

General Characteristics

Primary Current	10 to 100A	100 to 500 A	500 to 1000A	1000 to 2200 A
Accuracy (of rdg)	±2%±5 mV	±2%	±1%	±1%
Phase Error	not specified	2°	1.5°	1.5°

Maximum Conductor Size..... : 50 mm diameter
Output Connection..... : 4mm sockets
Zero ..... : Manual adjust via thumbwheel
Operating Temperature Range..... : 0 to +50 °C
Storage Temperature Range (with battery removed)..... : -20 to +85 °C
Operating Humidity ..... : 15% to 85% (non condensing)

Reference conditions: Temperature : +18°C to 26 °C, humidity: 20 to 75% RH, sinusoidal current: 48 to 65Hz, distortion factor: < 1%, DC current: none, DC magnetic field: none, alternating magnetic field: none, proximity of external conductor: none, primary conductor: centred in the aperture, load impedance: ≥1MΩ, <100pF for voltage output.

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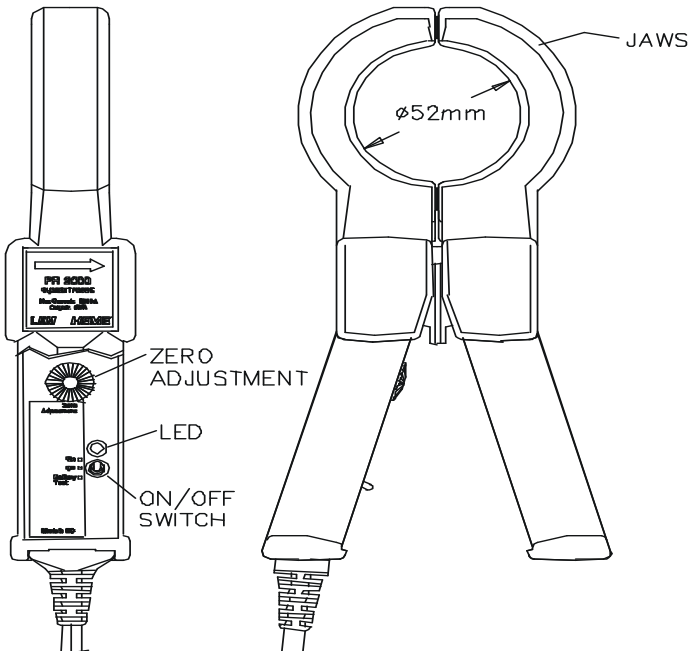
Safety Standards

IEC61010-1: 2010
IEC61010-2-032: 2012
IEC61010-2-031: 2008

600 V_{RMS}, Catégorie III, Degré de Pollution 2
L'utilisation de la pince avec un conducteur nu est limitée à 600 V AC_{RMS} ou DC pour des fréquences inférieur à 1 kHz.

Dimensions

in mm



Note : version shown with cable output

Specifications subject to change without notice

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