

## Current Probe SC.3C 200A-2000A/ 2V

The SC.3C 200A-2000A/ 2V current probe is based on Hall Effect technology for use in measurement of both DC and AC current. The SC.3C 200A-2000A/ 2V may be used in conjunction with multimeters, recorders and other suitable equipment for accurate non intrusive current measurement.



### Electrical Characteristics

Current Range .....	: 200A and 2000 A AC <sub>RMS</sub> or DC
Measuring Range.....	: 1 A to 2000 A
Output Sensitivity.....	: 10mV /A & 1 mV/A
Resolution .....	: ± 200 mA
Load Impedance .....	: ≥ 1MΩ and ≤ 100 pF
Bandwidth .....	: DC to 10 kHz (-3dB)
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 <sub>RMS</sub> or DC

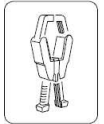
### Accuracy

200A

Primary Current	1 to 10A	10 to 50 A	50 to 100 A	100 to 240A
Accuracy (of rdg)	2.5%+ 5mV	2%+2mV	1.5% +2 mV	1%+2 mV
Phase Error	not specified	<1°	<1°	<1°

2000A

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	<1°	<1°	<1°



## General Characteristics

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:  $\geq 1M\Omega$ , <100pF for voltage output.

## Safety Standards

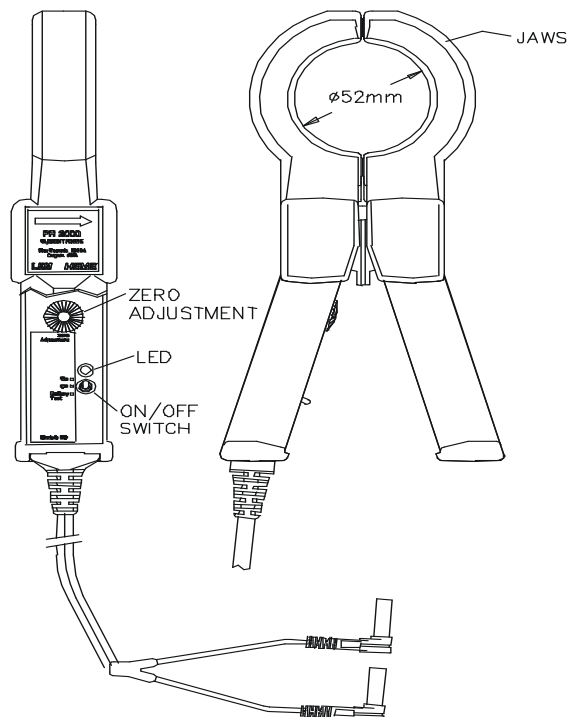
IEC61010-1: 2010  
IEC61010-2-032: 2012  
IEC61010-2-031: 2008

600 V<sub>RMS</sub>, Catégorie III, Degré de Pollution 2

L'utilisation de la pince avec un conducteur nu est limitée à 600 V AC<sub>RMS</sub> ou DC pour des fréquences inférieure à 1 kHz.

## Dimensions

in mm



Note : version shown with cable output

Specifications subject to change without notice