

## 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 <sub>RMS</sub> or DC    |
| Measuring Range .....                                | : ±2200 A                           |
| Output Sensitivity .....                             | : 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     |

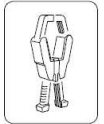
### Accuracy

| 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 (typ) | 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: ≥1MΩ, <100pF for voltage output.



## Safety Standards

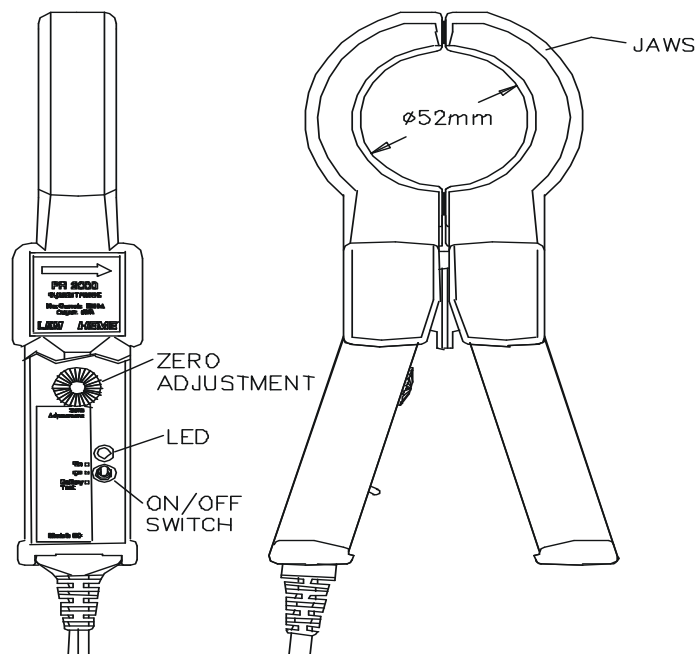
IEC61010-1: 2010  
IEC61010-2-032: 2012  
IEC61010-2-031: 2008

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