

## Current Probe Model PR200

The PR200 current probe is based on Hall Effect technology for use in measurement of both DC and AC current. The PR200 may be used in conjunction with multimeters, recorders and other suitable equipment for accurate non intrusive current measurement.



### Electrical Characteristics

|                                                     |                                          |
|-----------------------------------------------------|------------------------------------------|
| Current Ranges.....                                 | : 20 A and 200 A AC <sub>RMS</sub> or DC |
| Measuring Range.....                                | : $\pm 30$ A and $\pm 300$ A             |
| Output Sensitivity .....                            | : 10 mV/A (20 A)                         |
| .....                                               | : 1 mV/A (200 A)                         |
| Accuracy (at +25°C).....(20A range) .....           | : $\pm 1\%$ of reading $\pm 30$ mA       |
| .....(200A range) .....                             | : $\pm 1\%$ of reading $\pm 300$ mA      |
| Resolution .....                                    | : $\pm 10$ mA (20 A)                     |
| .....                                               | : $\pm 100$ mA (200 A)                   |
| Load Impedance .....                                | : $> 10$ k Ohms and $\leq 100$ pF        |
| Conductor Position Sensitivity .....                | : $\pm 1.5\%$ relative to centre reading |
| Frequency Range (small signal) .....                | : DC to 10 kHz (-1dB)                    |
| Temperature Coefficient.....                        | : $\pm 0.1\%$ of reading / °C            |
| Power Supply .....                                  | : 9 V Alkaline, MN1604/PP3               |
| .....                                               | : 50 Hours, low battery indicator        |
| Working Voltage (see Safety Standards section)..... | : 300 V AC <sub>RMS</sub> or DC          |

### General Characteristics

|                                                       |                                |
|-------------------------------------------------------|--------------------------------|
| Maximum Conductor Size .....                          | : 19 mm diameter               |
| Output Connection .....                               | : 4mm safety plugs             |
| Output Zero.....                                      | : Manual adjust via thumbwheel |
| Cable Length.....                                     | : 1.5 meters                   |
| Operating Temperature Range .....                     | : 0 to +50 °C                  |
| Storage Temperature Range (with battery removed)..... | : -20 to +85 °C                |
| Operating Humidity .....                              | : 15% to 85% (non condensing)  |
| Weight.....                                           | : 250 g                        |

## Safety Standards

BSEN61010-1: 1993 and Amendment A2: July 1995

BSEN61010-2-032: 1995

BSEN61010-2-031: 1995

300 V<sub>RMS</sub>, Category III, Pollution Degree 2

Use of the probe on **uninsulated conductors** is limited to 300 V AC<sub>RMS</sub> or DC and frequencies below 1 kHz.

## EMC Standards

EN61326 :1998

## Dimensions

