

i310s Current Probe



The i310s current probe is based on Hall Effect technology for use in measurement of both DC and AC current. The i310s may be used in conjunction with oscilloscopes and other suitable recording instruments for accurate non-intrusive current measurement.

Electrical specifications

- i310s connects to oscilloscopes via safety BNC, to multimeters via BNC-4MM adapter supplied
- Dual range 30/300 A
- Wide Bandwidth – 20kHz (-3dB)
- Output Sensitivity of 10/1 mV / A
- 10 k Ω Load Impedance
- Accuracy of +/- 1% of reading $\pm$ 50/300 mA
- Maximum Jaw Conductor 19mm (0.75 in)
- Battery Life – 30 hours with low battery indicator
- Superior noise rejection for power electronics applications
- Typical applications include invertors, switch mode power supplies, industrial controllers requiring current measurement and/or waveform analysis, automobile diagnostics.

Safety standards

- BS EN 61010-1: 2001
- BS EN 61010-2-032: 2002
- BS EN 61010-031: 2002
- 300 V_{RMS}, Category III, Pollution Degree 2
- Use of the probe on **uninsulated conductors** is limited to 300 V AC_{RMS} or DC and frequencies below 1 kHz.

EMC Standards

- BS EN 61326 : 1998 +A1, A2, & A3