

i310s AC / DC 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.

- Current Ranges: 30 A and 300 A AC_{RMS} or ±45 A and 450 A DC
- Measuring Ranges: ±45 A and 450 A
- Output Sensitivity: 10 mV/A (40 A) to 1 mV/A (400 A)
- Resolution: ±50 mA (40 A) to ±100 mA (400 A)
- Load Impedance: > 10 k Ohms and ≤ 100 pF
- Frequency Range (small signal): DC to 20 kHz (- 3 dB)
- Phase Shift below 1 kHz, < 2 degrees
- Temperature Coefficient: ±0.1% of reading /°C
- Power Supply: 9 V Alkaline

General Characteristics	
Maximum Conductor Size	19 mm diameter
Output Connection	Safety BNC connector Supplied with safety 4mm adaptor
Output Zero	Manual adjust via thumbwheel
Cable Length	2 metres
Operating Temperature Range	-10 to +50 °C
Storage Temperature Range (with battery removed)	-20 to +85 °C
Operating Humidity	15% to 85% (non-condensing)
Weight	250 g