

i50S, AC SCOPE CURRENT PROBE, 50MHZ



Designed for use with all types of oscilloscopes, the i50s Current Probe offers an ergonomic, robust and high performing solution for the measurement of DC and AC currents up to 50 MHz. With a permanent nominal current of 30 A RMS and a measuring capacity of 50 A for 10 s, as well as exceptional immunity to high common mode voltages ($dv/dt = 5 \text{ kV}/\text{s}$), amplitude = 1,5 kV, error < 0,05 % of IPN), the i50s considerably widens the possibilities of accurate measurement of commutation currents.

Electrical specifications

- Connects to oscilloscopes via safety BNC, to multimeters via BNC-4MM adapter supplied
- Dual range 3/50 A
- Auto Zero Function and Auto Degauss functions for optimal performance
- 30A continuous, 50A for 10 seconds
- Wide Bandwidth – 50MHz (-3dB)
- Output Sensitivity of 1 V/A (3A range) 100 mV/A (50A range)
- Rise Time < 7 ns
- Rejection Rate of fast dv/dt ($5\text{kV}/\mu\text{s}$) < 15 mA t
- External magnetic field rejection rate AC and DC 60 dB
- Typical Accuracy of +/- 0.5% of range
- Maximum Jaw Conductor 5mm
- 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 I, Pollution Degree 1

EMC Standards

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

