FLUKE®

i2500-18 and i2500-10 iFlex™ Flexible Current Probes

Unprecedented measurement flexibility

Technical Data

The new Fluke iFlex™ flexible current probes expand the measurement range of the select Fluke meters to 2500 A ac while providing the ultimate measurement flexibility. The iFlex™ probes connect directly to the meter, displaying current measurements without error prone scaling factors. The 1.8 m (6 ft) cord allows separation between the measurement location and the clamp meter making it easier to view the display. The large loop size and thin cross section allow measurement of awkward sized conductors and improved access in crowded spaces. Available in 25 cm (10 in) and 45 cm (18 in) sizes.

Measurement capability

- 2500 A ac current measurement with select Fluke meters
- Works with frequency, inrush, and min/max functions on select Fluke meters

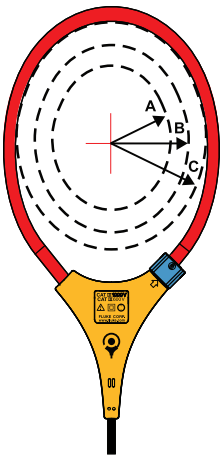
Features

- Expands the measurement range to 2500 A ac while providing increased display flexibility, ability to measure awkward sized conductors and improved wire access
- CAT IV 600 V, CAT III 1000 V safety rating
- 7.5 mm coil diameter allows measurement in tight spaces
- Ergonomic design allows easy operation with one hand
- 1.8 m (6 ft) cable
- Three-year warranty

Specifications

i2500-18 and i2500-10	Range	Resolution	Accuracy
AC current*	2500 A	0.1 A	3 % ± 5 digits**
Frequency*	500 Hz	0.1 Hz	0.5 % ± 5 digits
External magnetic field rejection (with cable >10 cm from the coupling)	40 dB		
Inrush*	•		
Safety rating	CAT III 1000 V, CAT IV 600 V		

*When used with compatible Fluke meter. Accuracy stated includes probe and meter accuracy.
** For position accuracy at non-optimum positions, see Position sensitivity specifications table "A".



Position sensitivity

Position sensitivity specifications

Distance from optimum	i2500-10	i2500-18	Additional iFlex™ Error
A	0.5 in (12.7 mm)	1.4 in (35.6 mm)	± 0.5 %
B	0.8 in (20.3 mm)	2.0 in (50.8 mm)	± 1.0 %
C	1.4 in (35.6 mm)	2.5 in (63.5 mm)	± 2.0 %

Measurement uncertainty assumes centralized primary conductor at optimum position, no external electrical or magnetic field, and within operating temperature range.

Ordering information

i2500-10 iFlex™ Flexible Current Probe, 10-inch
i2500-18 iFlex™ Flexible Current Probe, 18-inch

For use with any Fluke product that accepts the iFlex™ connector.

Fluke. *Keeping your world up and running.®*

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