

## TECHNICAL DATA

# Fluke i2500-18 iFlex® Flexible Current Probes



## Key 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
- 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

## Safety Conformance

IEC 61010-2-032 CAT III 1000 V / CAT IV 600 V

## Product overview: Fluke i2500-18 iFlex® Flexible Current Probes

### Be Ready for Anything

The 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 wire access in crowded spaces. Available in 25 cm (10 in) and 45

cm (18 in) sizes.

## Specifications: Fluke i2500-18 iFlex® Flexible Current Probes

Specifications			
	Range	Resolution	Accuracy
AC Current <sup>1</sup>	2500 A	0.1 A	3% ± 5 digits <sup>2</sup>
Frequency <sup>1</sup>	500 Hz	0.1 Hz	0.5% ± 5 digits
External magnetic field rejection (with cable >10 cm from the coupling)	40 dB		
Inrush <sup>1</sup>	•		
Safety rating	CAT III 1000 V, CAT IV 600 V		
1. When used with compatible Fluke meter. Accuracy stated includes probe and meter accuracy. 2. For position accuracy at non-optimum positions, see Position sensitivity specifications table "A"			
Position Sensitivity Specifications			
Distance from Optimum	i2500-18	Additional iFlex® Error	
A	1.4 in (35.6 mm)	±0.5%	
B	2.0 in (50.8 mm)	±1.0%	
C	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.			

## Ordering information



**Fluke i2500-18**

---

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

**Fluke Corporation**

PO Box 9090, Everett, WA 98206 U.S.A.

**For more information call:**

In the U.S.A. (800) 443-5853

In Europe/M-East/Africa

+31 (0)40 267 5100

In Canada (905) 890-7600

From other countries +1 (425) 446-5500

**Representative office of Fluke South East Asia Pte Ltd**

C/O Danaher Vietnam

Green Power Tower, 11th Floor Unit 2

35 Ton Duch Thang Street, District 1

Ho Chi Minh City

Vietnam

Tel: +84-8-2220-5371 (ext 103)

Email: [info.asean@fluke.com](mailto:info.asean@fluke.com)

[www.fluke.com/vn-vi](http://www.fluke.com/vn-vi)

©2024 Fluke Corporation. Specifications subject to change without notice.

01/2024

**Modification of this document is not permitted without written permission from Fluke Corporation.**