TECHNICAL DATA

Fluke i430 Flex Current Clamp



Product overview: Fluke i430 Flex Current Clamp

The i430 Flex is an AC current probe utilizing the Rogowski principle. The flexible and lightweight measuring head allows quick and easy installation in hard to reach areas, without batteries or an external power source.

Also available as a pack of 4 pieces of the i430 current clamp, to be used for high current measurements. The Flex clamp fits around bus bars and large or hard-to-reach conductors. This 4-pack is perfect for use with 3-phase tools such as the Fluke 430 series.

Specifications: Fluke i430 Flex Current Clamp

General Specifications	
Probe and cable material	TPE rubber, reinforced insulation
	UL94 V-0, Colour: RED Munsell 7.5
	R 1/14
Couplings material	Polypropylene, UL94 V-0
Probe cable length	610 mm
Probe cable diameter	12.4 mm

Probe cable bend radius	40 mm
Output cable length	2.5 meters RG58
Output connector	Safety BNC Connector
Operating range	-20 to +90°C
Storage temperature	-40 to +105°C
Operating humidity	15% to 85% (non condensing)
Degree of protection (Probe)	IP41
Specifications	
Current range	3000 A AC rms
Voltage output (@ 1000 A rms, 50 Hz)	85 mV
Accuracy	±1% of reading
	(@ 25°C, 50 Hz)
Linearity (10% to 100% of range)	±0.2% of reading
Noise (10 Hz – 7 kHz)	1.0 mV AC rms
Output impedance	82 Ω min
Load impedance	50 kΩ
Internal Resistance per 100 mm probe length	10.5Ω ±5%
Bandwidth (-3dB)	10 Hz to 7 kHz
Phase error (45 – 65 Hz)	±1°
Position sensitivity	±2% of reading max.
Temperature coefficient	±0.08% max of reading per °C
Working voltage (see Safety standards section)	1000 V AC rms or DC (head)
	30 V max. (output)
Safety Specifications	
Safety standards	BS EN 61010-1 2001
	BS EN 61010-2-032 2002
	BS EN 61010-031 2002, 1000 VRMS, Category III, Pollution Degree 2
	Use of the probe on uninsulated conductors is limited to 1000 V AC rms or DC and frequencies below 1 kHz.
	Please note that this probe is designed to work with Fluke 435, if used with other products
	Safety rating for the output to earth is limited to 600 V AC rms or DC.

Ordering information



Fluke I430-FLEX

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

Fluke Europe B.V.
P.O. Box 1186
5602 BD Eindhoven
The Netherlands
www.fluke.com/en
©2026 Fluke Corporation. All rights reserved.
Data subject to alteration without notice.
11/2026

For more information call:
In Middle East/Africa
+31 (0)40 267 5100

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