

TECHNICAL DATA

# Fluke i400s AC Current Clamp



## Key features

- Companion to your scope or power quality meter to measure up to 400 A AC
- Only current clamp available with a CAT IV 600 V / CAT III 1000 V safety rating
- Specially designed to offer maximum utility in a compact shape
- Take accurate current readings without breaking the circuit
- Soft non-slippery overmold handle
- Optional PM9081/001 BNC/Banana adapter for DMM's
- Two ranges: 40 A and 400 A, 10 and 1 mV/Amp output
- Max. conductor  $\varnothing$  32 mm

## Product overview: Fluke i400s AC Current Clamp

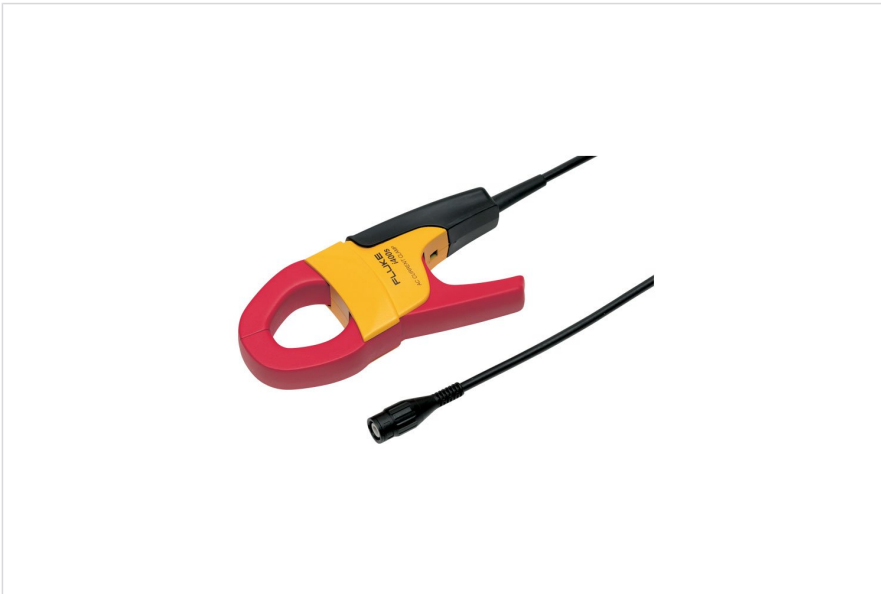
Fluke current clamps extend the current ranges of digital multimeters, power quality analyzers, and portable oscilloscopes and are available for both AC and AC/DC environments. The Fluke i400s is specially designed to offer maximum utility in a compact shape and is the only current clamp available with a CAT IV 600 V / CAT III 1000 V safety rating.

## Specifications: Fluke i400s AC Current Clamp

Specifications		
Nominal current range	<b>40 A Range</b>	0.5 A to 40 A
	400 A Range	5 A to 400 A

Basic accuracy	<b>40 A Range</b>	2% + 0.015 A (45-400 Hz)
	400 A Range	2% + 0.04 A (45-400 Hz)
Phase shift	<b>40 A Range</b>	
	0.5 to 1 A	Unspecified
	1 A to 5 A	4°
	5 A to 10 A	3°
	10 A to 20 A	3°
	20 A to 40 A	2°
	40 A to 400 A	NA
	<b>400 A Range</b>	
	0.5 to 1 A	NA
	1 A to 5 A	NA
	5 A to 10 A	Unspecified
	10 A to 20 A	2°
	20 A to 40 A	2°
	40 A to 400 A	1.5°
Typical bandwidth	<b>40 A Range</b>	5 Hz - 10 kHz
	400 A Range	5 Hz - 10 kHz
Output level(s)	<b>40 A Range</b>	10 mV/A
	400 A Range	1 mV/A
Crest factor	<b>40 A Range</b>	≤ 3
	400 A Range	≤ 3 to 300 A
		≤ 2.5 to 400 A
<b>Safety Specifications</b>		
Safety	CAT IV, 600 V, CAT III, 1000 V	
Maximum non-destructive current	1000 V AC	
<b>Mechanical and General Specifications</b>		
Warranty	1 year	
Maximum conductor size	32 mm (1.25 inches)	
Output cable length	2.5 m (8.2 ft)	
BNC adapter	Yes	
Dimensions	150 x 70 x 30 mm	
Weight	114 g	

## Ordering information



**Fluke i400s**

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**Fluke Europe B.V.**

P.O. Box 1186

5602 BD Eindhoven

The Netherlands

[www.fluke.com/en](http://www.fluke.com/en)

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07/2023

**For more information call:**

In Middle East/Africa

+31 (0)40 267 5100

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