

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 Ø 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	40 A Range	0.5 A to 40 A
	400 A Range	5 A to 400 A
Basic accuracy	40 A Range	2% + 0.015 A (45-400 Hz)
	400 A Range	2% + 0.04 A (45-400 Hz)
Phase shift	40 A Range	
	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
	400 A Range	
	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	40 A Range	5 Hz - 10 kHz
	400 A Range	5 Hz - 10 kHz
Output level(s)	40 A Range	10 mV/A
	400 A Range	1 mV/A
Crest factor	40 A Range	□ 3
	400 A Range	□ 3 to 300 A
		□ 2.5 to 400 A
Safety Specifications		
Safety	CAT IV, 600 V, CAT III, 1000 V	
Maximum non-destructive current	1000 V AC	
Mechanical and General Specifications		
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



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 Canada (800) 36-FLUKE
From other countries +1 (425) 446-5500
www.fluke.com

©2025 Fluke Corporation.
Specifications subject to change without notice.
03/2025

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