

Fluke i400s AC Current Clamp

This AC current clamp with BNC output extends the functionality of portable oscilloscopes or power quality meters to measure up to 400 A AC.



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.

High safety AC Current Clamp with BNC output

- 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

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	1000 V AC	

current	
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

Compatible Products

[Fluke 114](#)

Fluke 114 Digital Multimeter

[Fluke 117](#)

Fluke 117 Electrician's Digital Multimeter with Non-Contact Voltage

[Fluke 123](#)

Fluke 123 Industrial ScopeMeter® Hand Held Oscilloscope

[Fluke 123/S](#)

Fluke 123/S Industrial ScopeMeter® Hand Held Oscilloscope

[Fluke 124](#)

Fluke 124 Industrial ScopeMeter® Hand Held Oscilloscope

[Fluke 124/S](#)

Fluke 124/S Industrial ScopeMeter® Hand Held Oscilloscopes with SCC120 kit

[Fluke 434 II Basic](#)

Fluke 434 Series II Basic Energy Analyzer

[Fluke 434 Series II](#)

Fluke 434 Series II Energy Analyzer

[Fluke 435 Series II Basic](#)

Fluke 435 Series II Basic Power Quality and Energy Analyzer

[Fluke 435 Series II](#)

Fluke 435 Series II Power Quality and Energy Analyzer