

Fluke i400E

AC Current Clamp

(Digital Multimeter Accessory)

Technical Data

Expand the use of your digital multimeter.

The Fluke i400E AC Current Clamp is an ideal tool to extend current measurement. It is designed to work with the new Fluke 101, 106 and 107 palm sized digital multimeters, as well as most Fluke multimeters or other voltage measurement tools that accepts 19.05 mm shrouded banana plugs and has mV ac measurement functionality.

Product highlights

- Compatible with most Fluke multimeters or mV ac measurement tools with these features:
 - 400 mV ac range
 - 19.05 mm banana jack inputs
 - Input accuracy of 2 % or greater to take full advantage of the accuracy of the product
 - Input impedance of $>1\text{ M}\Omega$
- 1 mV/A ac output guarantees easy current readings on you meter
- CAT III 600 V safety rating
- Specially designed to offer maximum utility in a very compact shape
- Take accurate current readings without breaking the circuit
- One-year warranty



Electrical specifications	
AC current range	1 A to 400 A
Output signal	1 mV/A ac
Accuracy	2.0 % $\pm$ 5 digits (45 Hz to 65 Hz) 2.5 % $\pm$ 5 digits (65 Hz to 400 Hz)
Typical bandwidth	5 Hz to 20 kHz
Working voltage	600 V ac rms, in compliance with IEC 61010-1 and IEC 61010-2-030
Load impedance	>1 M Ω
Maximum non-destructive current	600 A
Jaw inner diameter	30 mm
Maximum wire size	600 MCM
Standard plugs	19.04 mm dual banana plugs

Safety specifications	
Category rating	IEC 61010-1 and IEC 61010-2-030/IEC 61010-2-031 and IEC 61010-2-032: 600 V CAT III Pollution Degree 2
Electromagnetic environment	IEC 61326-1: Portable

General specifications	
Output cable length	1 m
Operating temperature	-10 °C to +50 °C
Storage temperature	-30 °C to +60 °C
Relative humidity	$\leq$ 90 % at 10 °C to 530 °C; $\leq$ 75 % at 30 °C to 540 °C; $\leq$ 45 % at 40 °C to 50 °C
IP rating	IEC 60529: IP30 when jaw closed
Temperature coefficients	Add 0.1 x specified accuracy for each °C above 28°C or below 18 °C.
Operating altitude	2,000 meters
Storage altitude	12,000 meters
Vibration requirements	MIL-PRF-28800F, Class 2
Drop test requirements	-10 °C, 1m, 6 sides, oak wood
Jaw impact test requirements	Follow EN/IEC 61010-2-032:2012
EMI, RFI, EMC	IEC/EN 61326-1
Dimensions (HxWxD)	146 mm x 62 mm x 34 mm
Weight	150 g

Ordering information

FLUKE-i400E AC Current Clamp

Included with product:

AC current clamp accessory with attached output cable, registration card and user instructions

Fluke. *The Most Trusted Tools in the World.*

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Printed in U.S.A. 8/2013 6000787A_EN

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