

# Fluke i400E AC Current Clamp



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 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

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

<b>Load impedance</b>	1 A to 400 A
<b>Maximum non-destructive current</b>	600 A
<b>Jaw inner diameter</b>	30 mm
<b>Maximum wire size</b>	600 MCM
<b>Standard plugs</b>	19.04 mm dual banana plugs

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

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

<b>Dimensions (hxwxd)</b>	146 mm x 62 mm x 34 mm
<b>Weight</b>	150 g