

TECHNICAL DATA

# Fluke 80i-2010s AC/DC Current Clamps



## Key features

- Conveniently measure current without having to disconnect the load
- 2,000A AC and DC current clamp
- Maximum conductor size – 52mm (2.05in)
- Maximum opening – 81.5mm (3.2in)

## Product overview: Fluke 80i-2010s AC/DC Current Clamps

Available in packs of one, or as a three pack the Fluke 80i-2010s allows you to measure up to 2,000A AC and/or DC on large conductors with 0.8% accuracy. The 80i-2010S provides a convenient way to measure current without having to disconnect the load.

## Specifications: Fluke 80i-2010s AC/DC Current Clamps

General Specifications	
Modules	80i-2010s
Dimensions	110 mm x 270 mm x 46mm
Weight	0.710 kg (1.6 lbs), including battery
Output Cable	1.5 m (60 in) Shielded Coaxial cable with BNC plug

Maximum Conductor Size	52.0 mm (2.05 in)
Maximum Jaw Opening	81.5 mm
Output to Zero	Auto adjustment with Zero button
Temperature Operating	-10 °C to 50 °C (14 °F to 122 °F)
Storage (battery removed)	-30 °C to +60 °C (-22 °F to +140 °F)
Operating Humidity	≤ 90 % RH (at 10 °C to 30 °C) ≤ 75 % RH (at 30 °C to 40 °C) ≤ 45 % RH (at 40 °C to 50 °C)
Operating Altitude	2,000 m (6560 ft)
Storage Altitude	12,000 m (40,000 ft)
Demagnetize Clamp	Open and close the Clamp jaws several times with soft click, use of the clamp on uninsulated conductors is limited to 1000 Vac rms or DC and frequencies 1 kHz or less.
Safety	IEC 61010-1, Pollution Degree 2, IEC 61010-2-032: CAT III 1000 V /CAT IV 600 V
Ingress Protection	IEC 60529, IP40
Power Supply Type	2 x AA alkaline battery, IEC LR6
Battery Life	150 hours (typically)
Low battery indicator	Yes
<b>Electrical Specifications</b>	
Current Range	2000 A ac rms, ± 2000 A dc
Output Sensitivity	01 mV/A
Accuracy	± 0.8 % of reading ± 0.2 % of range
Bandwidth for Accuracy Specification	DC to 400 Hz
Load impedance	>1 MΩ and <10 pF
Frequency Response (small signal)	DC to 20 kHz (-3 dB)
Temperature Coefficient	0.1 x specified accuracy for each degree C above 28 °C or below 18 °C
Working Voltage	1000 V AC RMS or DC

## Ordering information



### **80i-2010s**

Fluke 80i-2010s AC/DC Current Clamp

---

Includes:

- One Fluke 80i-2010s AC/DC Current Clamp
- 

### **80i-2010s/3PK**

Fluke 80i-2010s AC/DC Current Clamp Three Pack

---

Includes:

- Three Fluke 80i-2010s AC/DC Current Clamps
-



**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](http://www.fluke.com)

©2023 Fluke Corporation.  
Specifications subject to change without notice.  
08/2023

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