

## 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 baery
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 buon
Temperature Operating	-10 u00b0C to 50 u00b0C (14 u00b0F to 122 u00b0F)
Storage (baery removed)	-30 u00b0C to +60 u00b0C (-22 u00b0F to +140 u00b0F)
Operating Humidity	u2264 90 % RH (at 10 u00b0C to 30 u00b0C) u2264 75 % RH (at 30 u00b0C to 40 u00b0C) u2264 45 % RH (at 40 u00b0C to 50 u00b0C)
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 baery, IEC LR6
Baery Life	150 hours (typically)
Low baery indicator	Yes
Electrical Specifications	
Current Range	2000 A ac rms, u00b1 2000 A dc
Output Sensitivity	01 mV/A

Accuracy	u00b1 0.8 % of reading u00b1 0.2 % of range
Bandwidth for Accuracy Specification	DC to 400 Hz
Load impedance	>1 Mu03a9 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 u00b0C or below 18 u00b0C
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

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