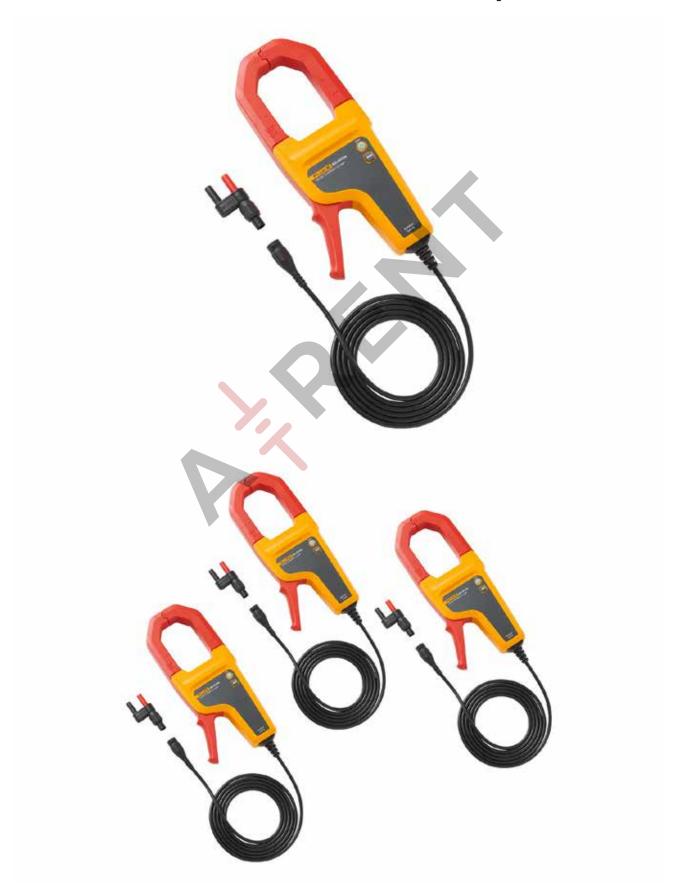


**TECHNICAL DATA** 

# 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 °C to 50 °C (14 °F to 122 °F)		
Storage (baery 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 baery, IEC LR6		
Baery Life	150 hours (typically)		
Low baery indicator	Yes		
Electrical Specifications			
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

