



Optional Accessory: Fluke 80i-2010s AC/DC Current Clamp

Product Feature

The Fluke 80i-2010s AC/DC Current Clamp is a clamp-on current probe with 2000A range and 0.8 % accuracy.

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)
Altitude Operating	2,000 m (6560 ft)
Storage	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

Electrical Specifications

Current Range	2000 A ac rms, $\pm$ 2000 A dc
Output Sensitivity	1 mV/A
Accuracy	$\pm$ 0.8 % of reading $\pm$ 0.2 % of range
Bandwidth for Accuracy Specification	DC to 400 Hz
Load impedance	>1 M Ω 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