

Data teknis

Fluke i2000 Flex AC Current Clamp



Fitur utama

- Three ranges: 20A, 200 A & 2000 A, 100 mV/A, 10 mV/A & 1 mV/A output
- Ideal for current measurement on thick and hard to reach conductors without breaking the circuit
- Maximum conductor diameter 178 mm
- CAT III 600 V safety rating

Ikhtisar Produk: Fluke i2000 Flex AC Current Clamp

The i2000 is an AC current probe utilizing the Rogowski principle. It can be used to measure currents up to 2000 A when used in conjunction with multimeters, recorders or data loggers. The flexible and lightweight measuring head allows quick and easy installation in hard to reach areas.

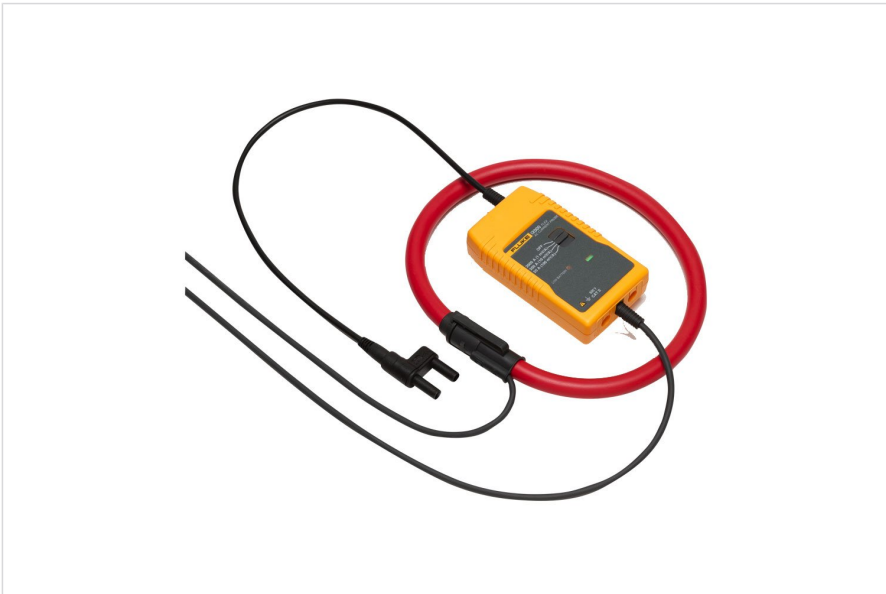
Spesifikasi: Fluke i2000 Flex AC Current Clamp

Electrical specifications

Current ranges	20 A 200 A 2000 A AC rms
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Output sensitivity (AC-coupled)	1 mV 10 mV 100 mV 1 mV per A
Load impedance	100 kΩ minimum
Accuracy	at +25°C ±1% of range (45 Hz to 65 Hz)
Linearity	10% to 100% of range ±0.2% of reading
Noise	8 mV AC rms (30 A) 2 mV AC rms (300 A, 3000 A)
Frequency range	10 Hz to 20 kHz (-3 dB)
Phase error	< ±1° (45 Hz to 65 Hz) ±10° (at 20 kHz)
Position sensitivity	with cable > 25 mm from the coupling ±2% of range
External field	with cable > 200 mm from the head ±1% of range
Power supply	2 x AA/MN 1500/LR6 Alkaline, 200 hours, low battery indicator
Temperature Coefficient	±0.08% of reading per °C
Working voltage	see Safety standards section 600 V AC rms or DC
General Specifications	
Head Circumference	610 mm (24 in)
Head cable diameter	14.3 mm (0.56 in)
Head bend radius	38.1 mm (1.5 in)
Cable length (head to electronics)	2 m (6.56 ft)
Output connection	Molded 4 mm safety plugs (not integrated)
Operating temperature range	0°C to +70°C (32°F to 158°F) (head and electronics)
Storage temperature range	-40°C to +105°C (-40°F to 221°F) (head) -20°C to +85°C (-4°F to 185°F) (electronics)
Operating humidity	15% to 85% (non-condensing)
Weight	180 g (6.34 oz) (head) 190 g (6.70 oz) (electronics)
Safety standards	EN 61010-031: 2002 EN 61010-2-032: 2002 EN 61010-1: 2001 600 V rms, Category III, Pollution Degree 2 Use of the probe on uninsulated conductors is limited to 600 V ac rms or dc and frequencies below 1 kHz.
EMC standards	EN 61326: 1998 +A1, A2, and A3
Dimensions (H x W x D)	116 x 68.5 x 30 mm (4.56 x 2.69 x 1.18 in)

Model



Fluke i2000 Flex

Fluke. Memastikan aktivitas Anda terus berjalan dan beroperasi.

Fluke Corporation

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12/2021

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