

FLUKE

Fluke

i30 AC /DC Currnet Clamp

The i30 current clamp is based on Hall Effect technology for use in measurement of both DC and AC current. The i30 may be used in conjunction with multimeters, recorders and other suitable recording instruments for accurate non-intrusive current measurement.

Electrical specifications

Specified current range	30 mA to 30A dc, 30 mA to 20 A ac rms
Usable current range	5 mA to 30 A dc, 30 mA to 20 A ac rms
Crest Factor	1.4"
Output sensitivity	100 mV/A
Accuracy (at +25 °C)	± 1 % of reading ± 2 mA
Resolution	± 1 mA
Load impedance	> 10 k Ohms and ≤ 100pF
Conductor position sensitivity	± 1 % relative to center reading
Frequency range	DC to 20 kHz (– 0.5 dB)
Temperature coefficient	± 0.01 % of reading/°C
Power supply	9 V Alkaline, MN1604/PP3, 30 hours, low battery indicator
Working voltage (see Safety Standards section)	300 V ac rms or dc

General Specifications

Maximum conductor size	19 mm diameter
Output connection	4 mm safety connector
Output zero	Manual adjust via thumbwheel
Cable length	1.5 meters
Operating temperature range	0 °C to +50 °C
Storage temperature range (with battery removed)	–20 °C to +85 °C
Operating humidity	15 % to 85 % (non-condensing)
Weight	250 g
Safety standards	BS EN 61010-1:2001 BS EN 61010-2-032:2002 BS EN 61010-031:2002 300 Vrms, Category III, Pollution Degree 2 Use of the probe on uninsulated conductors is limited to 300 V ac rms or dc and frequencies below 1 kHz.
EMC Standards	EN 61326: 1998 +A1, A2, & A3

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