

TECHNICAL DATA

Fluke i310s Current Probe



Key features

- $\bullet\,$ Current Ranges: 30 A and 300 A AC $_{RMS}$ or ±45 A and 450 A DC
- Measuring Ranges: ±45 A and 450 A dc
- $\bullet~$ Output Sensitivity: 10 mV/A (40 A) to 1 mV/A (400 A)
- Resolution: ±50 mA (40 A) to ±100 mA (400 A)
- Load Impedance: > 10 k Ohms and £ 100 pF
- Frequency Range (small signal): DC to 20 kHz (- 3 dB)
- Phase Shift below 1 kHz, < 2 degrees
- Temperature Coefficient: ±0.1% of reading / °C
- Power Supply: 9 V Alkaline

Product overview: Fluke i310s Current Probe

The i310s current probe is based on Hall Effect technology for use in measurement of both DC and AC current. The i310s may be used in conjunction with oscilloscopes and other suitable recording instruments for accurate non-intrusive current measurement.



Specifications: Fluke i310s Current Probe

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30 A and 300 A AC rms or ±45 A and 450 A DC	
±45 A and 450 A DC	
±45 A and 450 A	
600A AC rms MAX	
10 mV/A (30 A)	
1 mV/A (300 A)	
(30 A range)	±1% of reading ±50 mA
(300 A range)	±1% of reading ±300 mA
1 kHz	
< 2 degrees	
±50 mA (30 A)	
±100 mA (300 A)	
> 10 k Ohms and ≤100 pF	=
±1.5% relative to centre reading	
DC to 20 kHz (-3 dB)	
< 2°	
±0.1% of reading / °C	
9 V Alkaline, MN1604/PP3	
30 Hours, low battery indicator	
300 V AC rms or DC	
19 mm diameter	
Safety BNC connector	
Supplied with safety 4mr	n adaptor
Manual adjust via thumbwheel	
2 metres	
-10 to +50°C	
-20 to +85°C	
15% to 85% (non-condensing)	
15% to 85% (non-conden	sing)
	±45 A and 450 A DC ±45 A and 450 A 600A AC rms MAX 10 mV/A (30 A) 1 mV/A (300 A) (30 A range) (300 A range) 1 kHz < 2 degrees ±50 mA (30 A) ±100 mA (300 A) > 10 k Ohms and ≤100 pF ±1.5% relative to centre re DC to 20 kHz (-3 dB) < 2° ±0.1% of reading / °C 9 V Alkaline, MN1604/PP 30 Hours, low battery ind 300 V AC rms or DC 19 mm diameter Safety BNC connector Supplied with safety 4mr Manual adjust via thumb 2 metres -10 to +50°C -20 to +85°C



Safety	IEC 61010-1, Pollution Degree 2
	IEC 61010-2- 032: CAT III 300V
	Use of the probe on uninsulated conductors is limited to 300 V ac rms or dc and frequencies below 1 kHz.
EMC Compatibility	IEC 61326-1: Portable Electromagnetic Environment



Ordering information



Fluke-i310s

Current Probe



Fluke. Keeping your world up and running.®

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