

FEATURES

- Two current ranges: 300A and 3000A.
- Two output sensitivity (300mV and 1V), versatile for measuring instruments.
- Suitable for any electrical system.
- Low battery indication.
- Wide bandwidth, low phase shift.
- Input protection up to 600V.

RS PRO Current Clamps

RS Stock No.: 123-2199



RS Professionally Approved Products bring to you professional quality parts across all product categories. Our product range has been tested by engineers and provides a comparable quality to the leading brands without paying a premium price.

Product Description

This flexible AC current probe can be used for any electrical system.

It is suitable for the conductors where standard clamp-on probes can not be used. Especially it can be applied in tight or difficult spaces for measuring a group of conductors (e.g. large/wide conductors, cable bundles, cables of irregular shapes).

This flexible probe can be connected to a digital multi-meter, or an oscilloscope, or a power recorder.

General Specifications

DC offset:	< 20mVDC (3000A AC range), < 20mVDC (300A AC range)
Noise:	< 2mVAC _{RMS}
Bandwidth (-3dB):	10 to 10 KHz
Load Impedance:	1KΩ
Battery:	2 x AA 1.5V Alkaline (2000mAHrs)
Battery Life:	300 Hours
Operating Environment:	-10 to 50°C, 15% to 85% RH
Storage Environment:	-20 to 60°C, 15% to 85% RH

Mechanical Specifications

Probe Length:	24 in / 610 mm
Cable Length:	1700mm from Probe to Box; 1700mm from Box to Output
Dimension (Box):	130 x 80 x 43mm
Weight:	430g

Electrical Specifications

(23° ±3°C, 50/60Hz, conductor located at the center of the flexible loop)	300A AC	3000A AC
Range	3 – 300A	30 – 3000A
Output Select	300mV 1V	300mV , 1V
Output Signal	1mV/A , 3.33mV/A	0.1mV/A 0.333mV/A
Accuracy	1% of full scale	1% of full scale
Linearity (10 to 100%)	0.2% of reading	0.2% of reading
Position Sensitivity	2% of range	2% of range
External Field (200 mm from the head, < 40A/m)	1% of range	1% of range
Phase Error	< ± 1°	< ±1°
Temperature Coefficient (0 to 70°C)	0.02% of reading / °C	0.02% of reading / °C

Approvals

Declarations	MFR Declaration of Conformity
Hazardous Area Certification	ATEX / IECEx
Standards Met	VDE

Connection Diagrams / Assembly Diagrams / Illustrations / Accessories