

Data Sheet

ICA 3000

Flexible AC Current Probe

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.

PECIFICATIONS :

(23° ±3°, 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	

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
Probe Length:	24 in / 610 mm
Cable Length:	1700mm from Probe to Box; 1700mm from Box to Output
Operating Environment:	-10 to 50°C, 15% to 85% RH
Storage Environment:	-20 to 60°C, 15% to 85% RH
Dimension (Box):	130 x 80 x 43mm
Weight:	430g



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