



AFLEX 3030 Flexible AC Current Probe

Electrical Specifications:

(23°C ± 3°C, 50/60Hz, conductor located at the center of the flexible loop)

Sliding Switch Position	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 full scale		2% of full scale	
External Field (200 mm from the head, < 40A/m)	1% of full scale		1% of full scale	
Phase Error	< ± 1°		< ± 1°	
Temperature Coefficient (0 to 70°C)	0.02% of reading / °C		0.02% of reading / °C	

Sliding Switch Position	30A AC	
Range	3 – 30A	
Output Select	300mV	1V
Output Signal	10mV/A	33.3mV/A
Accuracy	3% of full scale	
Linearity (10 to 100%)	0.2% of reading	
Position Sensitivity	3% of full scale	
External Field (200 mm from the head, < 40A/m)	1% of full scale	
Phase Error	< ± 2°	
Temperature Coefficient (0 to 70°C)	0.02% of reading / °C	

DC offset: < 20mVDC (300A AC range)
 < 100mVDC (30A AC range)
 < 20mVDC (3000A AC range)

Noise: < 2mACV_{RMS}

Bandwidth (-3dB): 10 to 10 KHz

Load Impedance: 1KΩ

General Specifications:

Probe Length: 3000-24	24 in / 610 mm
Minimum Bending Diameter:	35mm
Connector Diameter:	23mm
Cable Diameter:	14mm
Cable Length from Probe to Box:	1700mm
Cable Length from Box to Output:	1700mm
Dimension (Box):	130mm(L) x 80mm(W)x 43mm(H) 5.1"(L) x 3.1"(W) x 1.7"(H)
Battery Type:	two 1.5V SUM-3 (Alkaline, 2000mAHrs)
Battery Life:	300 Hours
Operating Temperature:	-10°C to 85°C
Operating Humidity:	15% to 85% RH
Altitude:	up to 2000M
Storage Temperature:	-20°C to 85°C
Storage Humidity:	15% to 85% RH
Weight:	430g (battery included)
Accessories:	Carrying case x 1 Users manual x 1 Batteries 1.5V x 2

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