



Flexible AC current Probe – 2000A U-Flex micro Series

The U-Flex micro is an AC current clamp utilising the Rogowski principle. It can be used to measure currents up to 2000 Amps from very low frequencies to 1 MHz. The flexible and lightweight measuring head allows quick and easy installation in hard to reach areas and with large conductors.

SPECIFICATION		
MODEL	<i>UFa 20A 200A 2000A / 2V</i>	<i>UFb 20A 200A 2000A / 2V</i>
		
Current Ranges	20 / 200 / 2000A	
Output Sensitivity	100mV / 10mV / 1mV / A	
Noise (AC _{RMS})	0.08A	0.08 / 0.6 / 6A
Linearity	± 0.2% of reading	
Basic Accuracy	± 1% of reading ± 0.2A (20A and 200A ranges) ± 1% of reading ± 1A (2000A range)	
Frequency Range	20Hz to 100kHz (-2dB)	20Hz to 10MHz (-2dB)
Phase Error (45 – 65Hz)	≤ 1°	
Conductor Position Sensitivity	± 2.5% of reading	
Load Impedance	> 100 kOhms	
Conductor Diameter	50mm (2") / 70mm (3") / 100mm (4")	
Working Voltage	1000V AC _{RMS} or DC	
Probe Cable Diameter	6 mm	
Probe to Integrator Cable Length	2 m	
Operating Temperature	-20°C to 65°C	
Temp. Coefficient	± 0.15% of reading per °C	
Storage Temperature	-40°C to 75°C	
Ingress Protection	IP50 Probe Only IP40 Integrator	
Output Connection	0.5m coax terminated with safety male BNC connector	
Battery Type	2x AA MN 1500 LR6 Alkaline	
Battery Life	1000 Hours	100 Hours
External Power Supply	3V / 100mA	

All Accuracies Stated at: 23°C ± 1°C

Safety Standards

EN 61010-1
EN 61010-2-032

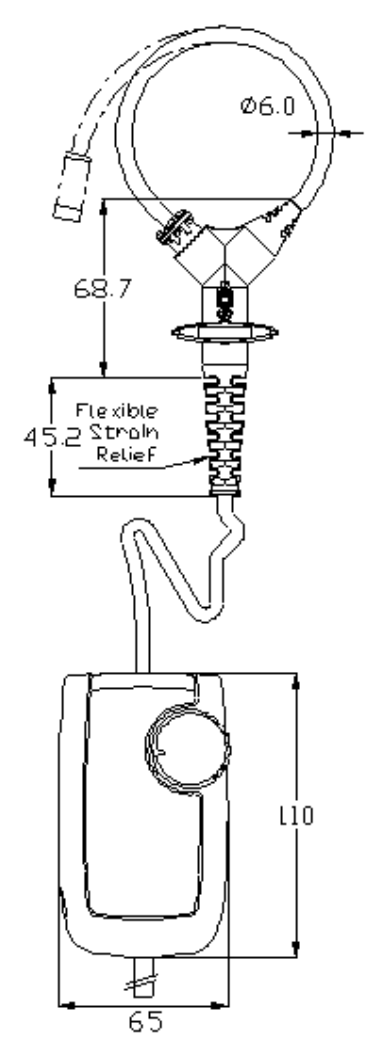
1000V RMS Measurement Category III
600V RMS Measurement Category IV
Pollution Degree 2

EMC Standard

EN 61326-2-2

Dimensions

in mm



Power Supply Connection

Pin	Function
Center	- Terminal
Outside	+ Terminal