



Flexible AC current Probe – 1000A U-Flex micro Series

The U-Flex micro has options of a single or a 3 Phase AC current clamp utilising the Rogowski principle. It can be used to measure currents up to 1000 Amps from very low frequencies to 100kHz. The flexible and lightweight measuring head allows quick and easy installation in hard to reach areas and with large conductors.

SPECIFICATION		
MODEL	UF 10A 100A 1000A / 1V	UF3 10A 100A 1000A / 1V
		
Current Ranges	10 / 100 / 1000A	
Output Sensitivity	100mV / 10mV / 1mV / A	
Noise (AC _{RMS})	0.1A (10A/100A range), 1A (1000A range)	
Linearity	± 0.2% of reading	
Basic Accuracy	± 1% of reading ± 0.1A (10A and 100A ranges) ± 1% of reading ± 1A (1000A range)	
Frequency Range	20Hz to 10kHz (-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	300 Hours
External Power Supply	3V / 100mA	

All Accuracies Stated at: 23°C ± 1°C

Safety Standards

EN 61010-1
EN 61010-2-032

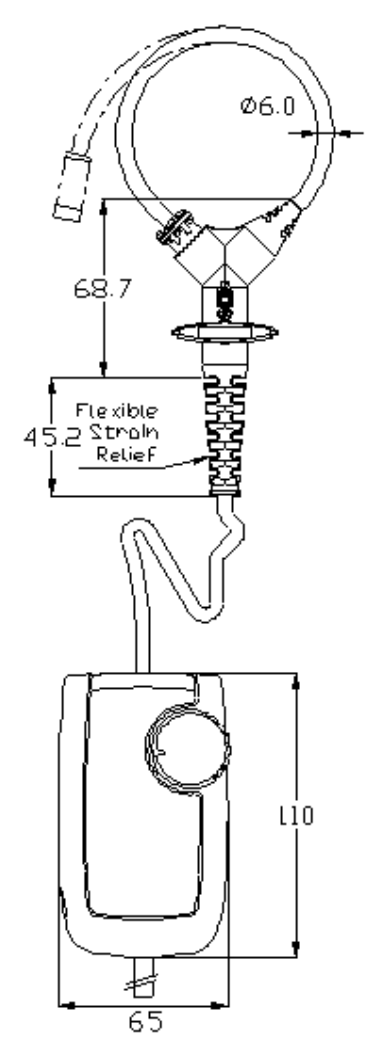
1000V RMS Measurement Category III
600V RMS Measurement Category IV
Pollution Degree 2

EMC Standard

EN 61326-2-2

Dimensions

in mm



Power Supply Connection

Pin	Function
Center	- Terminal
Outside	+ Terminal