



Flexible AC current Probe – Three Phase U-Flex Series

The U-Flex is a three phase AC current clamp utilising the Rogowski principle. It can be used to measure currents up to 6000 Amps from very low frequencies to 20kHz. The flexible and lightweight measuring head allows quick and easy installation in hard to reach areas and with large conductors.



SPECIFICATION		
MODEL	<i>UF3 30A 300A 3000A/3V</i>	<i>UF3 60A 600A 6000A/3V</i>
Current Ranges	<i>30 / 300 / 3000A</i>	<i>60 / 600 / 6000A</i>
Output Sensitivity	<i>100mV / 10mV / 1mV / A</i>	<i>50mV / 5mV / 0.5mV / A</i>
Linearity	<i>± 0.2% of reading</i>	
Basic Accuracy	<i>± 1% of reading ± 0.1A (30A and 60A ranges) ± 1% of reading ± 1A (300 / 3000 / 600 / 6000A range)</i>	
Frequency Range	<i>10Hz to 20kHz (-1dB)</i>	
Phase Error (45 – 65Hz)	<i>≤ 1°</i>	
Conductor Position Sensitivity	<i>± 2% of reading</i>	
Load Impedance	<i>> 100 kOhms</i>	
Probe Length	<i>450mm (18"), 610mm (24"), 915mm (36"), 1220mm (48")</i>	
Working Voltage	<i>1000V AC_{RMS} or DC</i>	
Probe Cable Diameter	<i>9.9 mm</i>	
Probe to Integrator Cable Length	<i>2 m</i>	
Operating Temperature	<i>-20°C to 65°C</i>	
Temp. Coefficient	<i>± 0.1% of reading per °C</i>	
Storage Temperature	<i>-40°C to 75°C</i>	
Ingress Protection	<i>IP65 Probe Only, IP40 Integrator</i>	
Output Connection	<i>3x 0.5m coax terminated with safety male BNC connector</i>	
Battery Type	<i>2x AA MN 1500 LR6 Alkaline</i>	
Battery Life	<i>1000 Hours</i>	
External Power Supply	<i>3V / 100mA</i>	

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

