

CAT IV 600V Flexible Current Probes

The **CAT IV 600V flexible current probes** are high performance current sensors specifically designed as an accessory for CHK Power Quality instruments used on energised circuits and in CAT IV environments.



Figure 1: CAT IV 600V flexible current probe

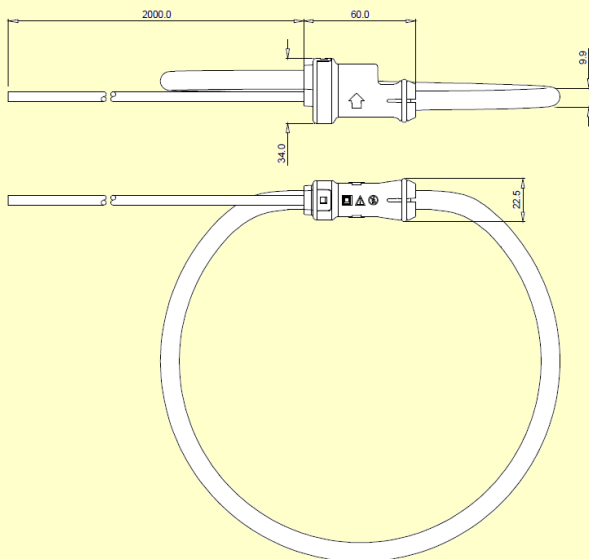


Figure 2: Dimensions

Part number	To be used with
1AF3000-6-G	MIRO PQ45 Power Quality Logger and Analyser
1AFF3000-6-G	MIRO PQ35 Power Quality Logger and Analyser
	MIRIN load logger

Table1: Instrument accessories

Specifications

Rated input current	3000A
Output signal	78mV/kA @ 50Hz
Accuracy	± 0.5% of reading
Linearity (10%-100% of range)	± 0.2% of reading
Phase error (45Hz-65Hz)	± 1°C
Position error	± 2% of reading
External field	± 0.25% of range
Temperature coefficient	± 0.05% of reading /°C
Load resistance	4.5kΩ
Frequency range	10Hz - 20kHz
Working voltage	1000V AC RMS or DC
Probe cable diameter	9.9mm (nominal)
Probe cable length	610mm
Probe cable conductor diameter	194mm
Output cable length	Length 2m, terminated with: (PQ35) Brad Harrison 8A4000-315; (PQ45) UL.M12 4P F ST 2M PUR-0.34
Probe and cable material	Alcryn 2070 NC double insulated, UL94 V-0
Coupling material	Ultradid A3U Q720, UL94 V-0
Colour	Probe: Green RAL6018
Weight	300 grams
Safety class	CAT IV 600V as per IEC 61010-1-2003
Operating temperature	-20°C to 65°C
Storage temperature	-40°C to 75°C
Operating humidity	15% to 85% non-condensing
Pollution degree	2
Degree of Protection	IP65
Maximum altitude	2000m