ACP 300.
SPECIFICATIONS

The ACP 300 current probe can be used in conjunction with the EPPE Power Quality Analyser to measure alternating currents up to 300 A. A choice of three measuring ranges makes for accurate measurement of high and low currents alike.
The probe can be used for current measurements on conductors such as cables or busbars. The flexible measuring head makes it ideally suitable for use in awkward places which are difficult to access. The probe can be powered by the connected analyser device and delivers a voltage output of up to 3 V.

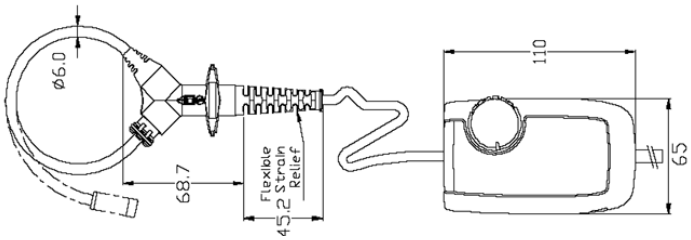
Electrical Characteristics

Current ranges selectable via rotary switch		3 A / 30 A / 300 AAC
Output sensitivity (AC coupled)		1000 mV / 100 mV / 10 mV/A
Accuracy (at 25°C)	(3 A/30 A range)	±1% of reading ±0.1 A
	(300 A range)	±1% of reading ±0.5 A
Load impedance		100 kΩ min
Linearity	(3 A range)	±0.2% of reading (20% - 100% range)
	(30 A/300 A range)	±0.2% of reading (10% - 100% range)
Noise		40 mA (3 A) / 80 mA (30 A) / 400 mA (300 A)
Bandwidth (-1 dB)		25 Hz…50 kHz
Phase error (45…65 Hz)		±<1°
Temperature coefficient		±0.15% of reading / °C
Position sensitivity		±2.5% of reading
External field (with cable >200 mm from the head)		±0.5% of reading
Power supply		Powered by EPPE Power Quality Analyser
Overload indication		Red LED ON indicates the range overload
Working voltage (see Safety Standards section)		1000 VAC/DC (probe and integrator)

General Characteristics

Probe and cable material	Alcryn, ARNITE , SANTOPRENE
Probe diameter	50 mm
Probe cable diameter	6 mm (nominal)
Cable length (probe to integrator box)	2 m
Output	0.5 m long with 5-pole plug to fit EPPE
Operating temperature range	-20…+65°C
Storage temperature range	-40...+75°C
Operating humidity	15…85% (non-condensing)
Degree of protection	IP50 probe, IP40 integrator module
Head colour	Blue

ROHS and WEEE compliant



Safety Standards

EMC standards EN 61326-1:2013
EN 61010-1:2010
EN 61010-2-032:2012

1000 V, category III, 600 V, category IV, pollution degree 2 (probe and integrator)
Use of the probe on uninsulated conductors is limited to 1000 VAC or DC and frequencies below 1 kHz