

# Flexible current sensors

AmpFLEX™

Flexibility and easy handling for clamping any conductor

The range is composed of 9 standard models\* dedicated to the measurement of AC currents from 0.5 A to 10 kA, at industrial frequencies. Each flexible core (48, 80 or 120 cm long depending on the model) is connected by a shielded cable to a small box containing the

processing electronics and a standard 9 V battery. The distance between the sockets (19 mm) facilitates direct connection to any type of multimeter, tester or recorder equipped with an AC voltage input (impedance  $Z > 1 M\Omega$ ). The quick and simple system for opening/

closing the core makes it easy to handle even with safety gloves.

Other strong points: very lightweight (no magnetic circuit), no saturation effect, highly accurate and very little phase shift (for wattmeter measurements).

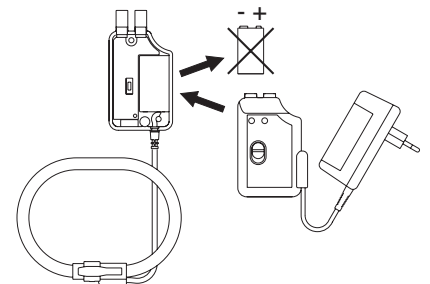
9 standard models	20-200 A		2 kA		0.2 - 2 kA		0.3 - 3 kA			1-10 kA
	Sensor length		45 cm	80 cm	45 cm	80 cm	45 cm	80 cm	1.2 m	1.2 m
Single or two-calibre	20 A 200 A		2000 A		200 A 2000 A		300 A 3000 A			1000 A 10000 A
Input / output ratio (in mV~/ A~)	100 mV/A 10 mV/A		1 m V/A		10 mV/A 1 mV/A		10 mV/A 1 mV/A			1 mV/A 0.1 mV/A
Measurement range	0.5 A to 200 A ac		0.5 A to 2 kA ac		0.5 A to 2 kA ac		0.5 A to 3 kA ac			0.5 A to 10 kA ac
Typical accuracy	1%									
Bandwidth	10 Hz to 20 kHz									
Typical phase Shift at 50Hz	≤ 1.3°		≤ 0.7°						≤ 0.5°	
Dimensions / weight	Housing: 140 x 64 x 28 mm - 200 g - Built-in lead: 2 m									
Weight of flexible sensor	< 120 g		< 240 g	< 120 g	< 240 g	< 120 g	< 240 g	< 240 g	< 240 g	< 360 g
Electrical safety	IEC 61010-2-032 1000 V Cat III									



Standard AmpFLEX™ model\*:

2 kA (45 cm)	> Poi.1205.01	300 A / 3 kA (45 cm)	> Poi.1205.06
2 kA (80 cm)	> Poi.1205.02	300 A / 3 kA (80 cm)	> Poi.1205.07
20 A / 200 A (45 cm)	> Poi.1205.03	300 A / 3 kA (1.2 m)	> Poi.1205.08
200 A / 2 kA (45 cm)	> Poi.1205.04	1 kA / 10 kA (1.2 m)	> Poi.1205.09
200 A / 2 kA (80 cm)	> Poi.1205.05	Adapter socket Ø 4 mm/BNC	> Poi.1018.46

Also see AmpFLEX™ Logger C.A 605 and C.A 607 page 49



\* Specific models on request: consult us concerning the possible sensitivities (mV/A) and lengths. We can also supply bare sensors for incorporation in assemblies including the signal processing electronics.

Bring unlimited autonomy to your AmpFLEX™: replace the battery with the mains adapted plug

■ Adapter for AmpFLEX™ > P01.1019.68