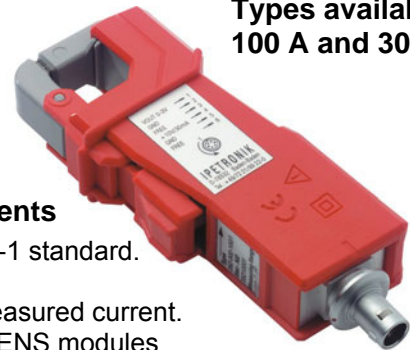


Safety Warning



- For applications with isolated wires only.
- Measurement in systems with up to +/- 100 VDC resp. 70 VAC (RMS) voltages.
- Do not use current clamps in AC circuits of inverter systems of e.g. electric cars and hybrid vehicles!
- All relevant safety standards and legal regulations must be followed!

**Types available
100 A and 300 A**



Current Clamp for Measurement of Alternating and Direct Currents

- Mobile high RMS current measurement in accordance with IEC 1010-1 standard.
- The current clamp requires an excitation voltage source to operate.
- The output voltage (U2) of the current clamp is proportional to the measured current.
- Direct connection (single cable with Signal & PWR) to IPETRONIK SENS modules
- A ZERO balance potentiometer is provided to adjust the zero point to compensate for varying cable lengths (4).
- Status LED indicates power to the current clamp (6)
- Manufactured out of a RED reinforced thermoplastic material

General		
Voltage supply	VDC	10 to 15 (max. 18)
Current consumption, typical	mA	6.0
Operating temperature range	°C (°F)	-10 ... +50 (+14 ... +122) permanent
Storage temperature range	°C (°F)	-20 ... +60 (-4 ... +140)
Relative humidity	%	5 ... 80 without condensation
Enclosure		Red reinforced thermoplastic material
Dimensions (L*W*D)	mm (in)	116 * 43 * 23 (4.57 * 1.69 * 0.91)
Weight	g (lb)	165 (0.36), without cable
Test cable diameter, max.	mm (in)	15 x 17 (0.59 x 0.67)
Electrical Data		100 A 300 A
Current input using a hall effect cell		Version 100 A / Version 300 A
Rated current	A / A	100 A rms 300 A rms
Measuring range	A / A	1 ... 100 1 ... 300
Voltage output		Version 100 A / Version 300 A
Ratio		100 : 3 100 : 1
Voltage output range	V	0 ... 3 0 ... 3
Accuracy	%	2 %, for 10 to 120 A resp. 30 to 360 A)
Accuracy @ 400 Hz	%	3 %
Frequency range	Hz	DC to 1000 Hz
Zero balance		Potentiometer
Power indication		Status LED
Minimum external load	kΩ	30
Protection class		III according to IEC 1010-1
Dielectric strength	kV	3 kV @ 50 Hz, 1 min. duration