

# Current sensors

The VPLog-i measures AC currents up to 3200A (true-RMS on a single phase power cable). The VPLog-i is very easy to use: just wrap around one of the three phases and close the snap fitting. It offers the best solution for your mobile power measurements. The VPLog-i is the only sensor on the market that offers both 4 ... 20mA and pulse outputs.

## Product highlights

- > Very easy and quick installation
- > Plug and play
- > For fixed and mobile measurements
- > Both 4 ... 20mA and pulse output
- > Loop powered

## Usage

Easy does it: Just open the sensor and wrap around the power cable you want to measure. The LED on the device blinks when the VPLog-i is powered. The rate at which it blinks is proportional to the output current. You can use one of the two outputs to get accurate measurement results.

## Outputs

- 4 ... 20mA: The analogue output is proportional to the measured input and ranges from 4 to 20mA.
- Pulse: The pulse output generates a pulse frequency proportional to the current measured. This allows the VPLog-i to be used as a simple power meter.

## Application examples:

- > Power consumption of compressors
- > General purpose power measurement
- > Electricity sub metering

The current sensor measures the input power of your compressor's electric motor. When combined with a flow meter, it can be used to determine the actual efficiency of the compressor.



## Specifications

Accuracy	+/- 1% full scale.
Power supply	6 ... 30 Vdc
Power consumption	4 ... 20mA
Current input	100 ... 3200 A-rms (50Hz current)
Max Voltage	Insulated cables only! On open bus bars max 300 Volt
Pulse rate	0 ... 2.66 Hz
Coil length	170 mm   6.7", 250 mm   9.8", 350 mm   13.8"
Coil diameter	7 mm   0.28"
Coil bend radius	35 mm   1.38"
Housing W x H x D	26.7 x 41.4 x 13.6 mm   1.1 x 1.6 x 0.6 inch
Operation temperature range	-20 ... 70°C   -4 ... 158 °F
Operational relative humidity	Max 95%, non condensing

ORDER CODES	MAX CURRENT - RMS	FREQUENCY	PULSES/AH	COIL LENGTH (MM)	INCH
VPA.8000.2100	100 A	50/60 Hz	10	250	9.84
VPA.8000.2200	200 A		10	250	9.84
VPA.8000.2400	400 A		10	250	9.84
VPA.8000.2800	800 A		10	250	9.84
VPA.8000.21K5	1500 A		1	250	9.84