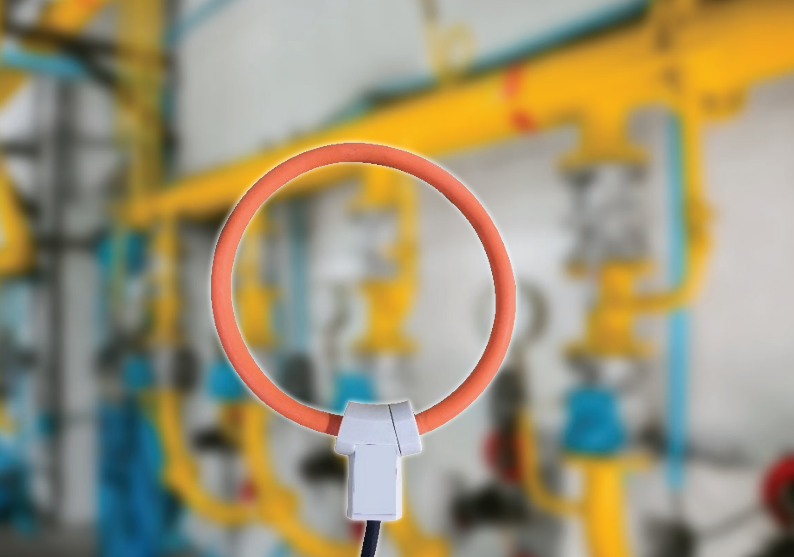


S030

Electrical Current Transmitter





Benefits

- ✓ Easy installation
- ✓ Wide measuring range
- ✓ Accurate current sensing
- ✓ 4 ... 20 mA output signal
- ✓ IP67 casing provides robust protection in the industrial environment

Accurate current measurement

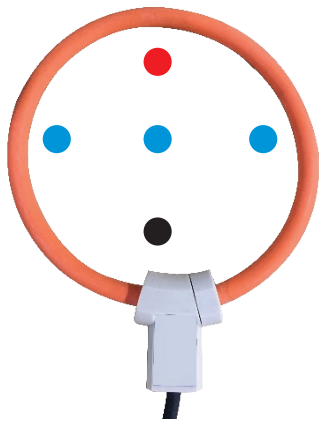
SUTO current sensor is an AC RMS current sensor composed of a flexible active part (Rogowski coil model) connected to a compact digital converter, capable of measuring the current carried on a power conductor up to a value of 3000 A AC.




The digital converter supplies an output of 4 ... 20 mA DC in linear proportion to the measured current.

Current Transmitter Application

- Current sensing at compressors for load / unload analysis
- Current sensing for power / energy measurement
- Evaluation of machine operation hours

Position Sensitivity

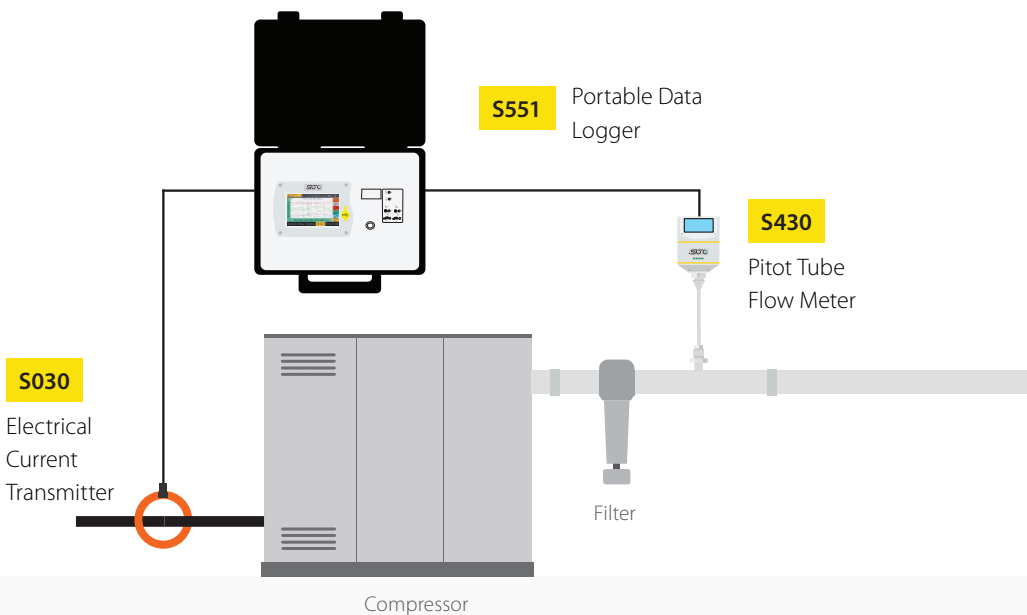


Conductor Position	Typical Error(%)
	< 0.5 %
	< 0.8 %
	< 1 %

Single Phase Power Measurements

By measuring the current of a symmetric power consumer on one phase, compressed air experts are able to calculate the power consumption of the compressors without the need of measuring voltage additionally.

This offers an analysis of the compressor and allows to judge the efficiency of the system.



Technical Data

Measurement

Current

Accuracy 0,5 % of reading + 0,2 % of range

Signal / Interface & Supply

Analog output

Signal 4 ... 20 mA 3-wire

Scaling 4 mA = 0A AC,
20 mA = 1000A / 3000 A AC

Load Max. 300 Ohm

Supply

Voltage supply 10 – 32 VDC

Current consumption Max. 30 mA

Data interface

Connection Open wire ends / ODU connector

General data

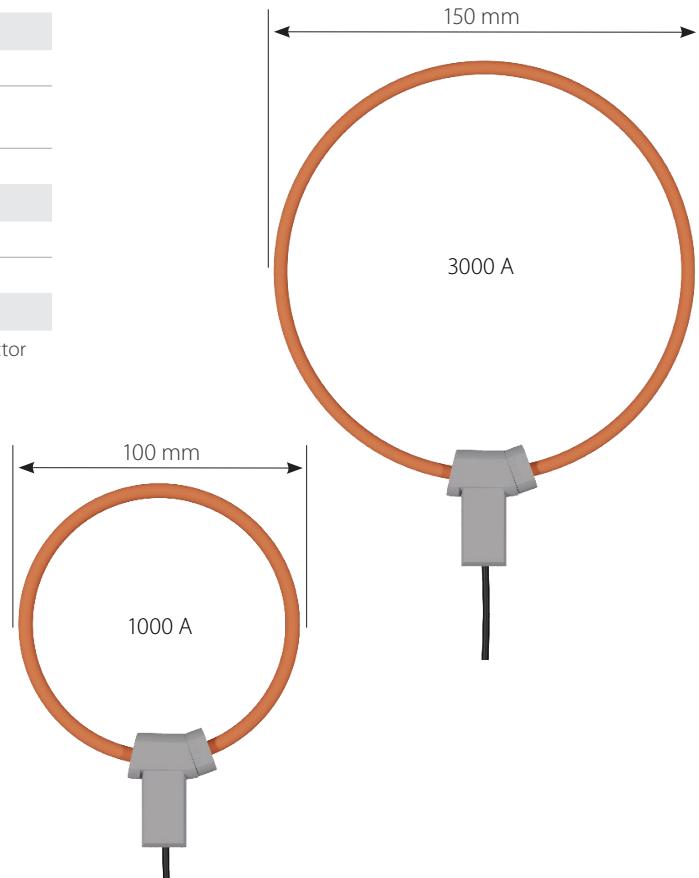
Miscellaneous

Protection class IP67

Approvals CE

Operating conditions

Ambient temperature 0 ... +80 °C



Ordering

Please use the following table to assist in placing your order with our sales staff.

S030 Electrical Current Transmitter

Order No.	Description
S554 0155	Electrical Current Transmitter, 1000 A, 100 mm diameter, open wire ends
S554 0156	Electrical Current Transmitter, 1000 A, 100 mm diameter, including connector to S551
S554 0157	Electrical Current Transmitter, 3000 A, 150 mm diameter, including connector to S551
S554 0158	Electrical Current Transmitter, 3000 A, 150 mm diameter, open wire ends



www.suto-itec.com



sales@suto-itec.com