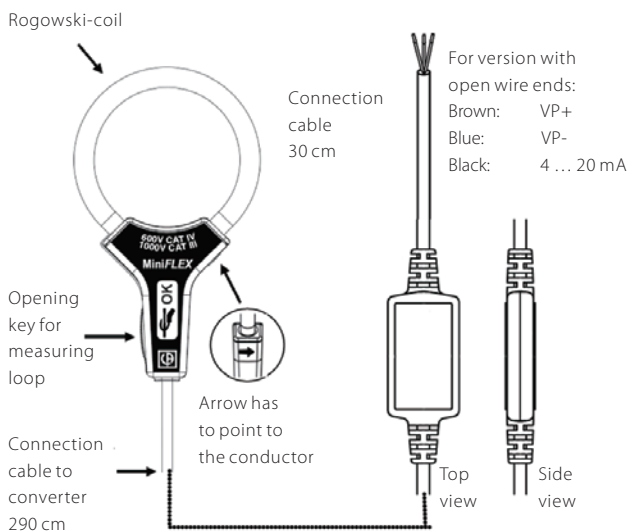




CS-iTEC Miniflex 1000 current clamp sensor is an AC RMS current sensor composed of a flexible active part (Rogowski coil model) connected to a compact digital converter, capable of measuring the current carried on a power conductor up to a value of 1000 Aac.

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



Features

- Easy installation
- Wide measuring range
- Accurate current sensing
- 4-20 mA output signal

Applications

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

Technical data

Measuring range	10 ... 1000 A AC
Fundamental frequency	45 ... 65 Hz
Output signal	4 ... 20 mA DC - 0 A AC measured = 4 mA DC output - 1000 A AC measured = 20 mA DC output
Maximum output	21,6 mA DC
Load impedance	≤ 300 Ω
Accuracy	≤ 1 % of reading, from 10... 1000 A AC (1)
Power supply	10VDC to 30VDC
Current consumption	≤ 50 mA

CS-iTEC MiniFLEX 1000 sensor characteristics

Sensor length	210 mm ± 5 mm
Max. Clamp capacity	70 mm ± 2 mm
Length of cable for connection to digital converter	290 cm ± 5 cm
Cable-Ø of sensor	ca. 5,5 mm
Cable-Ø	ca. 3 mm
Maximum temperature of clamped cable	≤ +80 °C
Protection rating	IP65
Self-extinguishing	UL94-V0
Service voltage	≤ 600 Vrms (CAT IV)/1000 Vrms (CAT III)

Order no.	Description
0554 0508	CS-iTEC MiniFLEX 1000, 1000A, 70 mm diameter, including connector to S 551
0554 0047	CS-iTEC MiniFLEX 1000, 1000A, 70 mm diameter, open wire ends