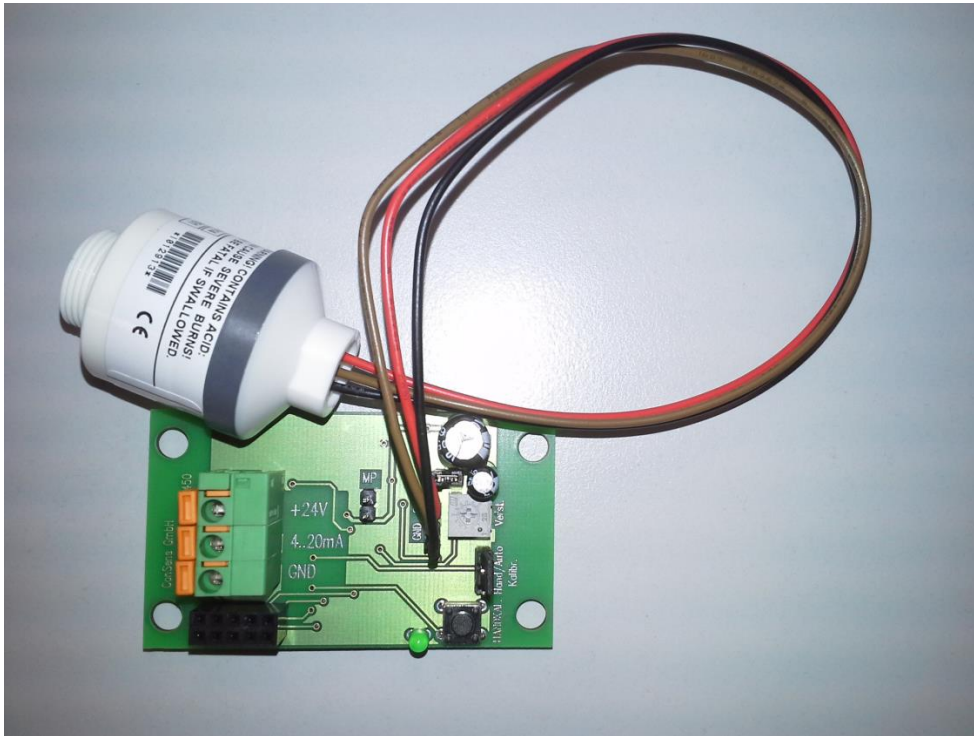


Connect Interface PO2ES-103P Sensor 0...25 %VolO₂ and 0...100 %VolO₂



Measurement range: 0...25 %VolO₂ or 0...100 %VolO₂

Supply voltage: 18-36V DC

Analog output signal: 4-20mA (max. Shunt: 10 Ohm @ 18V; ~500 Ohm @ 36V)

- Measurement of sensor voltage (0...50 mV) with 15 bit resolution
- If the LED light flickers, the sensor voltage is outside of the measurement range
- **Manuel calibration via button (jumper setting "Hand") :**
 - a. Press the button HANDKAL for minimum 5 seconds => LED flashes
 - b. After 1 minute of stabilization time the sensor voltage are set to be equal to 20,95 %VolO₂
 - c. A manual correction of the output signal can be made using the Potentiometer ("Verst.").
It is possible to adjust the output signal +/- ~2 mA @ 20 mA.
- **Auto-calibration (jumper setting "Auto"):**
 - a. The sensor voltage is measured continuously over a time period of 7 days, and the maximum sensor voltage are stored. The stored value is after 7 days set to be equal to 20,95 %VolO₂, after which a new 7 day period start. In this way sensor drift is corrected.

At "Messpunkt (MP)" the output signal in voltage (0,4 V to 2,0 V) can be measured.

Headquarter Switzerland:
Angst+Pfister Sensors and Power AG

Thurgauerstrasse 66
CH-8050 Zurich
Phone +41 44 877 35 00
sensorsandpower@angst-pfister.com

Office Germany:
Angst+Pfister Sensors and Power
Deutschland GmbH
Edisonstraße 16
D-85716 Unterschleißheim
Phone +49 89 374 288 87 0
sensorsandpower.de@angst-pfister.com



We are here for you. Addresses and Contacts.

Sales Germany & Austria

Geometrical sensors
Other products

Kurt Stritzelberger
Phone +49 89 374 288 87 22
kurt.stritzelberger@angst-pfister.com

Pressure sensors
Other products

Gerhard Vetter
Phone +49 89 374 288 87 26
gerhard.vetter@angst-pfister.com

Gas sensors and modules

Peter Felder
Phone +41 44 877 35 05
peter.felder@angst-pfister.com

Sales Switzerland & Liechtenstein

Postcode 3000 – 9999

Basil Frei
Phone +41 44 877 35 18
basil.frei@angst-pfister.com

Postcode 1000 – 2999

Christian Mohrenstecher
Phone +41 76 444 57 93
christian.mohrenstecher@angst-pfister.com

Sales International Key Accounts

Peter Felder
Phone +41 44 877 35 05
peter.felder@angst-pfister.com

Sales Other Countries / Product Management

Pressure Sensors
Load Cells

Philipp Kistler
Phone +41 44 877 35 03
philipp.kistler@angst-pfister.com

Gas sensors
Gas sensor modules

Dr. Thomas Clausen
Phone +49 89 374 288 87 24
thomas.clausen@angst-pfister.com

Flow / Level / Medical products

Dr. Adriano Pittarelli
Phone +49 89 374 288 87 67
adriano.pittarelli@angst-pfister.com

Power supplies

Sebastiano Leggio
Phone +41 44 877 35 06
sebastiano.leggio@angst-pfister.com

Linear position sensors
Angle sensors

Eric Letsch
Phone +41 44 877 35 14
eric.letsch@angst-pfister.com

Accelerometers
Sensor elements

Christoph Kleye
Phone +49 89 374 288 87 61
christoph.kleye@angst-pfister.com

Drive technology
CH Postcode 5000 – 9999 / DE

Roman Homa
Phone +41 76 444 00 86
roman.homa@angst-pfister.com

Drive technology
CH Postcode 1000 – 4999 / AT / IT / FR

Christian Mohrenstecher
Phone +41 76 444 57 93
christian.mohrenstecher@angst-pfister.com

Harald Thomas
Phone +49 89 374 288 87 23
harald.thomas@angst-pfister.com