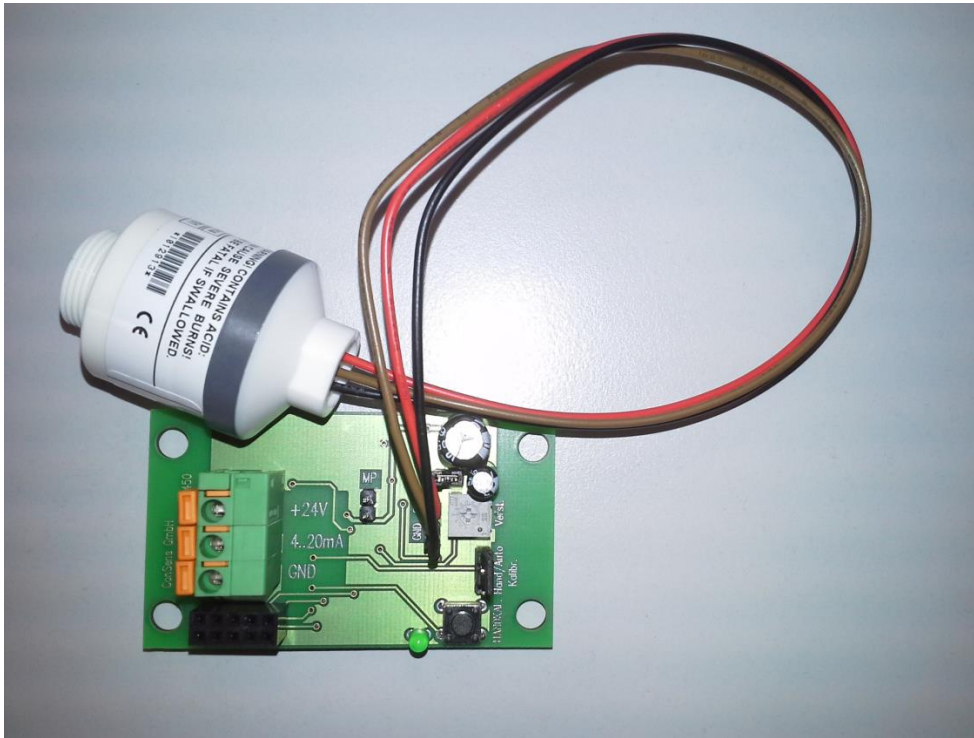


Connect Interface PO2ES-103P Sensor 0...25 %VolO₂ and 0...100 %VolO₂



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.

We are here for you. Addresses and Contacts.

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