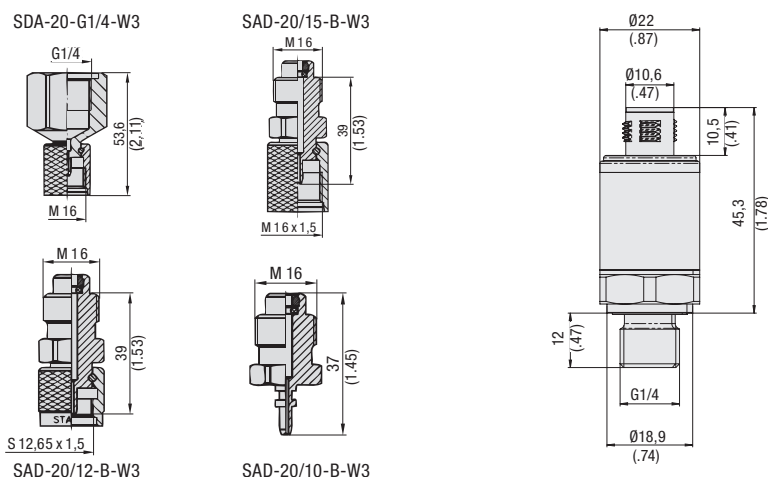


CAN Pressure Sensor ■ Type Sensor-PPC-CAN-P

B



Order Codes

Sensor-PPC-CAN-P - 016 - CAL

①

②

③

① Series and Type

CAN Pressure Sensor

Sensor-PPC-CAN-P

② Version

See table

③ Calibration

Without calibration certificate

(none)

With calibration certificate (factory calibration)

CAL

Pressure Range and Accuracies

| Version | Pressure Range and Accuracies | | | | | |
|-------------------|---|---------------------|---|---|---------------------------|---------------------------|
| Sensor-PPC-CAN-P- | Pressure Measuring Range (^{bar} / _{PSI}) | Type of Measurement | Maximum Pressure (^{bar} / _{PSI}) | Burst Pressure (^{bar} / _{PSI}) | Accuracy (±% FS*) typ. | Accuracy (±% FS*) max. |
| 016 | -1 ... 16 | Relative pressure | 32 | 150 | 0,25 | 0,5 |
| | -14,5 ... 232 | | 464 | 2175 | | |
| 060 | 0 ... 60 | Absolute pressure | 120 | 500 | 0,25 | 0,5 |
| | 0 ... 870 | | 1740 | 7251 | | |
| 160 | 0 ... 160 | Absolute pressure | 320 | 900 | 0,25 | 0,5 |
| | 0 ... 2320 | | 4641 | 13053 | | |
| 400 | 0 ... 400 | Absolute pressure | 800 | 1200 | 0,25 | 0,5 |
| | 0 ... 5801 | | 11603 | 17404 | | |
| 600 | 0 ... 600 | Absolute pressure | 1200 | 1800 | 0,25 | 0,5 |
| | 0 ... 8702 | | 17404 | 26106 | | |
| 601 | 0 ... 600 ** | Absolute pressure | 1200 | 2500 | 0,25 | 0,5 |
| | 0 ... 8702 | | 17404 | 36259 | | |

* FS = Full Scale

**Pressure peaks up to 1000 bar / 14503 PSI

Connection Adaptors for PPC Sensors

In addition to the CAN Pressure Sensors, different adaptors and adaptor sets are available that not only connect to the STAUFF Test 20 (SDA-20-G1/4-W3), but also to the Test

Couplings of the STAUFF Test 15/12/10 series (SAD-20/15-B-W3, SAD-20/12-B-W3, SAD-20/10-B-W3). For further information please see Catalogue 7 - STAUFF Test.

Product Description

The CAN Pressure Sensor-PPC-CAN-P are specially designed for use with the CAN Hydraulic Testers. These sensors are using the CANopen protocol to transfer the measurement values to the CAN Hydraulic Testers. Most technical details are the same as with the Pressure Sensors.

Due to their sturdy Stainless Steel design, the quick response times (< 1 ms) and the high accuracy (±0,25% FS* typ.) with automatic sensor recognition, the CAN Pressure Sensors are a reliable and flexible solution for the CAN Hydraulic Tester. The status of the sensor is indicated via LED.

Connecting the CAN Pressure Sensor to the CAN Hydraulic Tester a CAN Connection Cable and a CAN Terminating Resistor is needed. See page 47 for further information.

| Sensor-PPC-CAN-P | |
|-------------------------|-----------------------------|
| Pressure Measurement | yes |
| Temperature Measurement | no |
| Process Connection | G1/4 |
| Type | CAN connection 5-pin, M12x1 |

Technical Data

- Sturdy Stainless Steel housing (1.4301)
- FKM (Viton®) gasket
- Sensor identification LED
- Weight: 85 g / .19 lbs
- Suitable for gases and liquids (in the case of aggressive media, please contact STAUFF)
- 5-pin connection plug
- Pressure connection G1/4 (without adaptor)

Ambient Conditions

- Media temperature: -25 °C ... +105 °C / -13 °F ... +221 °F
- Ambient temperature: -25 °C ... +85 °C / -13 °F ... +185 °F
- Rel. humidity: < 80%
- Storage temperature: -25 °C ... +85 °C / -13 °F ... +185 °F
- Load cycles (10⁶): 100

CANopen Interface

- CANopen protocol profile DS406 v3.2 with manufacturer-specific additions
- LSS service DS305 v2.0

Electrical Data

- Response time: 1 ms
- Long-term stability: < 0,2 % FS* /a
- Vibration loading: acc. to IEC 60068-2-6 (20 g)
- Shock loading: acc. to IEC 60068-2-27 (50 g)

Protection Rating

- IP 67 protection rating: Dust tight and protected against splashing water