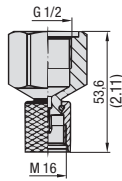


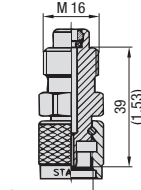
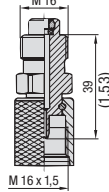
CAN Pressure / Temperature Sensor ■ Typ PPC-CAN-PT

B

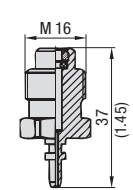
SDA-20-G1/2-W3



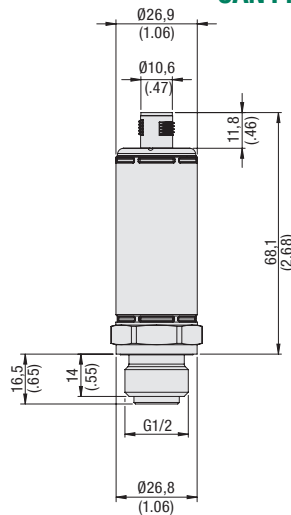
SAD-20/15-B-W3



SAD-20/12-B-W3



SAD-20/10-B-W3



Order Codes

PPC-CAN-PT - 016 - CAL

①

②

③

① Series and Type

CAN Pressure / Temperature Sensor **PPC-CAN-PT**

② Version

See table

③ Calibration

Without calibration certificate **(none)**
With calibration certificate **CAL**

Product Description

The CAN Pressure / Temperature Sensors PPC-CAN-PT are specially designed for use with the CAN Hydraulic Testers. This sensor is using the CANopen protocol to transfer the measurement values to the CAN Hydraulic Testers. Most technical details are the same as with the Pressure / Temperature Sensor PPC-04/12-PT. The CAN sensor is able to measure and display temperatures on the CAN Hydraulic Testers.

Due the sturdy Stainless Steel design, the quick response time (< 1 ms) and the high accuracy ($\pm 0.25\%$ FS* typ.) with automatic sensor recognition, the pressure / temperature sensor is a reliable and flexible solution for the CAN Hydraulic Tester. The status of the sensor is indicated via LED.

Connecting the CAN Pressure / Temperature Sensor to the CAN Hydraulic Tester a CAN Connection Cable and a CAN Terminating Resistor is needed. See page 45 for further information.

PPC-CAN-PT	
Pressure Measurement	yes
Temperature Measurement	yes
Process Connection	G1/2
Type	CAN connection 5-pin, M12x1

Technical Data

- Sturdy Stainless Steel housing (1.4301)
- FKM/FPM (Viton®) gasket
- Sensor identification LED
- Weight: 200 g / .44 lbs
- Suitable for gases and liquids (in the case of aggressive media, only after contactation)
- 5-pin SPEEDCON connection plug
- Pressure connection G1/2 (without adaptor)

Ambient Conditions

- Media temperature: -25 °C ... +105 °C / -13 °F ... +221 °F
- Ambient temperature: -25 °C ... +85 °C / -13 °F ... +185 °F
- Storage temperature: -25 °C ... +85 °C / -13 °F ... +185 °F
- Compensated range: 0 °C ... +85 °C / +32 °F ... +185 °F
- Load cycles (10⁶): 100

CANopen Interfaces

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

Electrical Data

- Response time: 1 ms
- Vibration loading: acc. to IEC 60068-2-6 (20g)
- Shock loading: acc. to IEC 60068-2-27 (50g)

Pressure Range and Accuracies

Version	Pressure Range and Accuracies						
Sensor PPC-CAN-PT-	Pressure Measuring Range (bar/PSI)	Type of Measurement	Maximum Pressure (bar/PSI)	Burst Pressure (bar/PSI)	Accuracy (±% FS*) typ.	Accuracy (±% FS*) max.	Temperature Measuring Range (°C/°F)
016	-1 ... 16	Relative pressure	32	150	0,25	0,5	-25 ... 105
	-14.5 ... 232		464	2175			-13 ... 221
060	0 ... 60	Absolute pressure	120	500	0,25	0,5	-25 ... 105
	0 ... 870		1740	7251			-13 ... 221
160	0 ... 160	Absolute pressure	320	900	0,25	0,5	-25 ... 105
	0 ... 2320		4641	13053			-13 ... 221
400	0 ... 400	Absolute pressure	800	1200	0,25	0,5	-25 ... 105
	0 ... 5801		11603	17404			-13 ... 221
600	0 ... 600	Absolute pressure	1200	1800	0,25	0,5	-25 ... 105
	0 ... 8702		17404	26106			-13 ... 221
601	0 ... 600 **	Absolute pressure	1200	2500	0,25	0,5	-25 ... 105
	0 ... 8702		17404	36259			-13 ... 221

* FS = Full Scale

** Pressure peaks up to 1000 bar / 14503 PSI

Connection Adaptors for PPC Sensors

In addition to the CAN Pressure / Temperature Sensors, different adaptors and adaptor sets are available that not only connect to the STAUFF Test 20 (SDA-20-G1/2-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.

