CAN Pressure Sensor ▪ Type PPC-CAN-P

SDA-20-G1/4-W3

SAD-20/15-B-W3

SAD-20/12-B-W3

SAD-20/10-B-W3
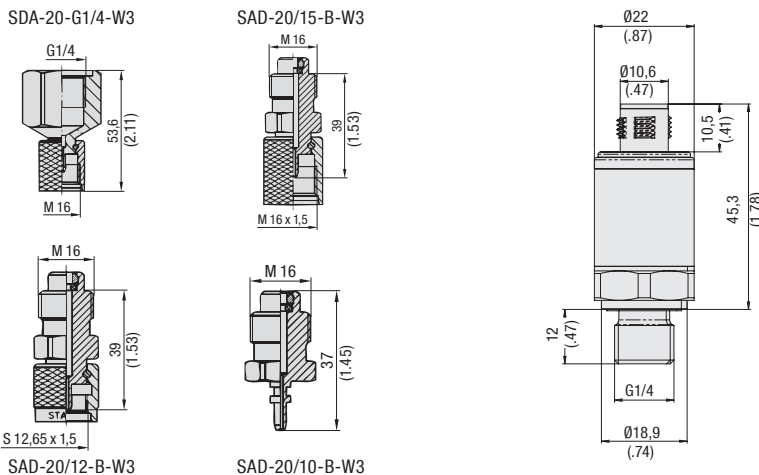
Order Codes

PPC-CAN-P	-	016	-	CAL
①		②		③

① **Series and Type**

CAN Pressure Sensor **PPC-CAN-P**

② **Version**

See table

③ **Calibration**

Without calibration certificate **(none)**

With calibration certificate **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 Sensors PPC-CAN-P are specially designed for use with the CAN Hydraulic Testers. These sensors are us-ing 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 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 45 for further information.

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/FPM (Viton®) gasket
- Sensor identification LED
- Weight: 85 g / .19 lbs
- Suitable for gases and liquids (in the case of aggressive media, only after contactation)
- 5-pin SPEEDCON 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
- 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)

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Dimensional drawings: All dimensions in mm (in).