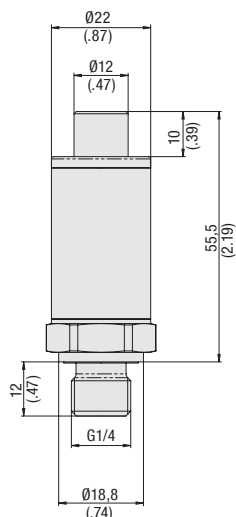
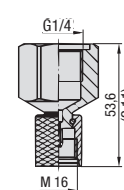


## Pressure Sensor ■ Type Sensor-PPC-04/12-P

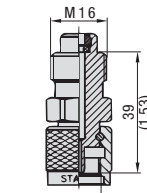
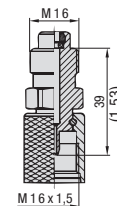
B



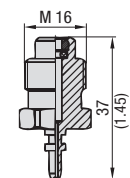
SDA-20-G1/4-W3



SAD-20/15-B-W3



SAD-20/12-B-W3



SAD-20/10-B-W3

### Product Description

The Pressure Sensor-PPC-04/12-P can be used with all analogue Hydraulic Testers of the PPC series, due to their 5-pin connection. Due to their sturdy Stainless Steel design, the quick response times (< 1 ms) and the high accuracy ( $\pm 0,25\%$  FS\* typ.) with automatic sensor recognition, the Pressure Sensors are a reliable and flexible solution for the Hydraulic Testers of the PPC series.

Note: A Connection Cable-PPC-04/12-3 (3 m / 9.84 ft) is needed to connect the Pressure Sensor-PPC-04/12-P to the current Hydraulic Testers. An Extension Cable-PPC-04/12-5-EXT (5 m / 16.40 ft) is also available as an option. See page 44 for further information.

### Order Codes

**Sensor-PPC-04/12-P - 015 - CAL**

①

#### ① Series and Type

Pressure Sensor **Sensor-PPC-04/12-P**

②

#### ② Version

See table

③

#### ③ Calibration

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

Sensor-PPC-04/12-P	
Pressure Measurement	yes
Temperature Measurement	no
Process Connection	G1/4
Type	analogue 5-pin connection

### Technical Data

- Sturdy Stainless Steel housing (1.4301)
- FKM (Viton®) gasket
- Weight: 85 g / .19 lbs
- Suitable for gases and liquids (in the case of aggressive media, only after contactation)
- 5-pin connection
- 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 (10<sup>6</sup>): 100

#### Electrical Data

- Input voltage: 9 ... 36 V DC
- Output signal: 0 ... 3 V DC
- 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)

### Pressure Range and Accuracies

Version	Pressure Range and Accuracies					
Sensor-PPC-04/12-P-	Pressure Measuring Range (bar/PSI)	Type of Measurement	Maximum Pressure (bar/PSI)	Burst Pressure (bar/PSI)	Accuracy (±% FS*) typ.	Accuracy (±% FS*) max.
015	-1 ... 15	Relative pressure	30	150	0,25	0,5
	-14.5 ... 217		435	2175		
060	0 ... 60	Absolute pressure	120	500	0,25	0,5
	0 ... 870		1740	7251		
150	0 ... 150	Absolute pressure	300	900	0,25	0,5
	0 ... 2175		4351	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

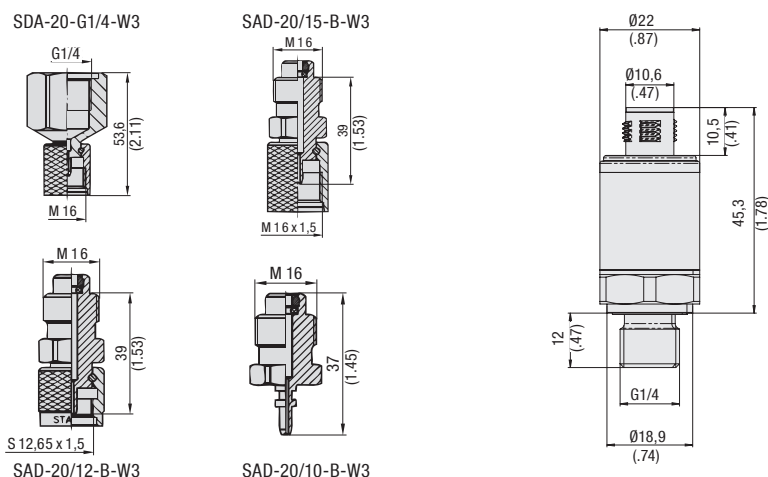
In addition to the Pressure Sensors, different adaptors and adaptor sets are available that not only connect to the STAUFF Test 20 (SDA-20-G1/4-W3), but also to the Test Couplings

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.



## 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

**CAL**

### 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 their sturdy Stainless Steel design, the quick response times (< 1 ms) and the high accuracy ( $\pm 0,25\%$  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.

### Pressure Range and Accuracies

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

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, 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 (10<sup>6</sup>): 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)

### 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.

