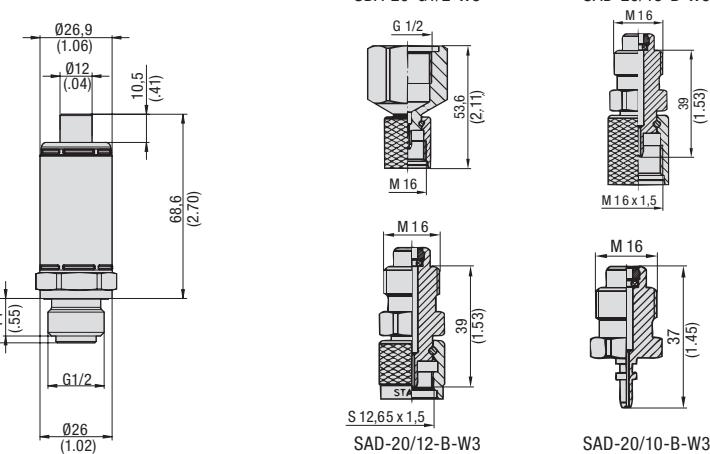


Pressure / Temperature Sensor ▪ Type Sensor-PPC-04/12-PT



Product Description

The Pressure / Temperature Sensor-PPC-04/12-PT can be used with all Hydraulic Testers of the PPC series, due to the 5-pin connection. This sensor is able to measure and display temperatures on the Hydraulic Testers.

Due to their sturdy Stainless Steel design, the quick response time (< 1 ms) and the high accuracy ($\pm 0,25\% \text{ FS}^*$ typ.) with automatic sensor recognition, the Pressure / Temperature Sensor is 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 / Temperature Sensor 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 46 for further information.

Sensor-PPC-04/12-PT-	
Pressure Measurement	yes
Temperature Measurement	yes
Process Connection	G1/2
Type	analogue 5-pin connection

Technical Data

- Sturdy Stainless Steel housing (1.4301)
- FKM (Viton®) gasket
- Weight: 200 g / .44 lbs
- Suitable for gases and liquids (in the case of aggressive media, please contact STAUFF)
- 5-Pin connection
- Pressure connection G1/2 (without adaptor)

Order Codes

Sensor-PPC-04/12-PT - 015/2 - CAL

①

②

③

① Series and Type

Pressure / Temperature Sensor **Sensor-PPC-04/12-PT**

③ Calibration

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

② Version

See table

Pressure Range and Accuracies

Version	Pressure Range and Accuracies							
	Pressure Measuring Range (bar/psi)	Type of Measurement	Maximum Pressure (bar/psi)	Burst Pressure (bar/psi)	Accuracy ($\pm \text{FS}^*$ typ.)	Accuracy ($\pm \text{FS}^*$ max.)	Temperature Measuring Range (°C/°F)	Accuracy ($\pm \text{FS}^*$)
015/2	-1 ... 15	Relative pressure	30	150	0,25	0,5	-25 ... 105	1,5
	-14,5 ... 217	Relative pressure	435	2175			-13 ... 221	
060/2	0 ... 60	Absolute pressure	120	500	0,25	0,5	-25 ... 105	1,5
	0 ... 870	Absolute pressure	1740	7251			-13 ... 221	
150/2	0 ... 150	Absolute pressure	300	900	0,25	0,5	-25 ... 105	1,5
	0 ... 2175	Absolute pressure	4351	13053			-13 ... 221	
400/2	0 ... 400	Absolute pressure	800	1200	0,25	0,5	-25 ... 105	1,5
	0 ... 5801	Absolute pressure	11603	17404			-13 ... 221	
600/2	0 ... 600	Absolute pressure	1200	1800	0,25	0,5	-25 ... 105	1,5
	0 ... 8702	Absolute pressure	17404	26106			-13 ... 221	
601/2	0 ... 600 **	Absolute pressure	1200	2500	0,25	0,5	-25 ... 105	1,5
	0 ... 8702	Absolute pressure	17404	36259			-13 ... 221	

* FS = Full Scale

** Pressure peaks up to 1000 bar / 14503 PSI

Connection Adaptors for PPC Sensors

In addition to the 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 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.

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
- Compensated range: 0 °C ... +85 °C / +32 °F ... +285 °F
- Load cycles (10⁶): 100

Electrical Data

- Input voltage: 7 ... 12 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 (20g)
- Shock loading: acc. to IEC 60068-2-27 (50g)

Protection Rating

- IP 54 protection rating: Dust protected and protected against splashing water

Dimensional drawings: All dimensions in mm (in).