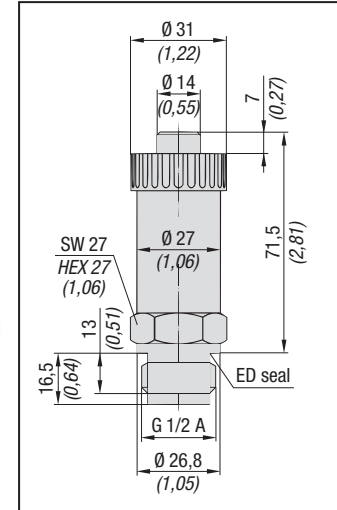


## Product Description

The PPC-04/12-PT /2 pressure sensors can be used with all hydraulic testers of the PPC series, due to their 5-pin connection. As an additional feature, the new generation of PPC-04/12-PT sensors (identified with “/2” in the name) can now also measure and display temperature (only with the PPC-06/08/12 hydraulic testers). The STAUFF pressure sensors are a reliable and flexible solution for the PPC series because of their sturdy stainless-steel design, the quick response times (< 1 ms) and the high accuracy ( $\pm 0,25\%$  FS\* typ.) with automatic sensor recognition.

## Specifications

- Sturdy stainless-steel housing (1.4301)
- FKM gasket (Viton)
- Weight: 200 g (0,44 lbs.)
- Suitable for gases and liquids (in the case of aggressive media, only after consultation)
- 5-pin connection
- Pressure connection G 1/2 BSP (without adaptor), with STAUFF Test 20 (M 16 x 2) adaptor, for additional adaptors, see the STAUFF Test catalogue



**Note:** The temperature measurement data from the PPC-04/12-PT /2 sensors can only be displayed using the PPC-12 hydraulic testers. The units PPC-06/08-plus allow the evaluation and further processing of the measured values obtained.

## Technical Data

### Ambient Conditions

- Media temperature: max. 105°C (221°F)
- Ambient temperature: -25°C ... 80°C (-13°F ... 176°F)
- Storage temperature: -20°C ... 80°C (-4°F ... 176°F)
- Compensated range: 0°C ... 85°C (32°F ... 285°F)
- Load cycles (10<sup>6</sup>): 100

### Electrical Data and Output

- Input voltage: 7 V ... 12 V DC
- Current consumption:  $\leq 5$  mA
- Output signal: 0 V ... 3 V DC
- Response time:  $\leq 1$  ms
- Long-term stability: < 0,2 % FS\*/a
- Vibration loading: IEC 68-2-6/10 ... 500 Hz
- Shock loading: IEC 68-2-29

## Pressure Ranges and Accuracies

Ordering Code Sensor PPC-04/12-PT-	015 /2	060 /2	150 /2	400 /2	600 /2	601 /2
<b>Pressure Measuring Range</b> (bar) (PSI)	-1 ... 15** (-15 ... 210)	0 ... 60 (0 ... 870)	0 ... 150 (0 ... 2.175)	0 ... 400 (0 ... 5.800)	0 ... 600 (0 ... 8.700)	0 ... 600*** (0 ... 8.700)
<b>Type of Measurement</b>	Relative pressure	Absolute pressure	Absolute pressure	Absolute pressure	Absolute pressure	Absolute pressure
<b>Maximum Pressure</b> (bar) (PSI)	30 (435)	120 (1.740)	300 (4.350)	800 (11.600)	1.200 (17.400)	1.200 (17.400)
<b>Burst Pressure</b> (bar) (PSI)	150 (2.175)	500 (7.250)	900 (13.000)	1.200 (17.400)	1.800 (26.100)	2.500 (36.250)
<b>Accuracy (<math>\pm\%</math> FS*)</b> typ.	0,25	0,25	0,25	0,25	0,25	0,25
<b>Accuracy (<math>\pm\%</math> FS*)</b> max.	0,5	0,5	0,5	0,5	0,5	0,5
<b>Temperature Measuring Range</b> (°C) (°F)	-25 ... 105 (-13 ... 221)	-25 ... 105 (-13 ... 221)	-25 ... 105 (-13 ... 221)	-25 ... 105 (-13 ... 221)	-25 ... 105 (-13 ... 221)	-25 ... 105 (-13 ... 221)
<b>Accuracy</b> ( $\pm\%$ FS*)	1,5	1,5	1,5	1,5	1,5	1,5

\* FS = Full Scale

\*\* 0 ... 15 bar (0 ... 210 PSI) in conjunction with hydraulic testers of the PPC-04 /2 series

\*\*\* Pressure peaks up to 1.000 bar (14.500 PSI)

**Note:** A PPC-04/12-CAB3 (3 m / 10 ft.) cable is needed to connect the PPC-04/12-PT /2 pressure sensors to the current PPC-04 /2 or PPC-06/08/12 hydraulic testers. A PPC-04/12-CAB5-EXT (5 m / 16 ft.) extension cable is also available as an option!

All dimensions in mm (inch)