

All available individual components for the PPC-04 /2, PPC-06-plus, PPC-08-plus and PPC-12 hydraulic testers, with their exact ordering codes, are listed below. They can be configured by the customer individually using this form. In this list, the components are sorted according to application areas/tasks to provide a better overview. In the event of individual requirements or configurations, please contact your nearest STAUFF representative. The table below can also be used as a fax ordering form.

Description	Ordering Code	Catalog Page	Quantity Required
<b>1. Hydraulic Tester PPC-04 /2</b>			
Hydraulic Tester PPC-04-B /2 with 2 sensor inputs, without data memory, with battery	Hydraulic Tester PPC-04-B /2	D37	
Hydraulic Tester PPC-04-A /2 with 2 sensor inputs, without data memory, including rechargeable battery and power supply unit (110/230 V)	Hydraulic Tester PPC-04-A /2	D37	
Hydraulic Tester PPC-04-A /2 with 2 sensor inputs, without data memory, including rechargeable battery and power supply unit (110/230 V) and data output (without PC set)	Hydraulic Tester PPC-04-AP /2	D37	
<b>2. Hydraulic Tester PPC-06/08-plus , PPC-12</b>			
Hydraulic Tester with 3 sensor inputs, including PC software and PC connecting cable, including power supply unit	Hydraulic Tester PPC-06-plus	D39	
Hydraulic Tester with 4 sensor inputs, including PC software and PC connecting cable, including power supply unit	Hydraulic Tester PPC-08-plus	D39	
Hydraulic Tester with 6 sensor inputs, including PC software and PC connecting cable, including power supply unit	Hydraulic Tester PPC-12	D41	
<b>3. Pressure Measurement (for connecting and extension cables for measuring transmitters, see item 8)</b>			
<b>Pressure transmitter G 1/2 A (without connecting cable)</b>			
Pressure range from -1 ... 15 bar (-15 ... 210 PSI) relative pressure*	Sensor PPC-04/12-PT-015 /2	D44	
Pressure range from 0 ... 60 bar (0 ... 870 PSI) absolute pressure	Sensor PPC-04/12-PT-060 /2	D44	
Pressure range from 0 ... 150 bar (0 ... 2.175 PSI) absolute pressure	Sensor PPC-04/12-PT-150 /2	D44	
Pressure range from 0 ... 400 bar (0 ... 5.800 PSI) absolute pressure	Sensor PPC-04/12-PT-400 /2	D44	
Pressure range from 0 ... 600 bar (0 ... 8.700 PSI) absolute pressure	Sensor PPC-04/12-PT-600 /2	D44	
Pressure range from 0 ... 600 bar (0 ... 8.700 PSI) absolute pressure **	Sensor PPC-04/12-PT-601 /2	D44	
<b>Connection Adaptors</b>			
Adaptor G 1/2 A to M 16 x 2 (STAUFF Test 20)	SDA20-G1/2	D45	
Adaptor M 16 x 2 to M 16 x 1,5 (STAUFF Test 20 to STAUFF Test 15)	SAD20/15-P	D45	
Adaptor M 16 x 2 to S 12,65 x 1,5 (STAUFF Test 20 to STAUFF Test 12)	SAD20/12-P	D45	
Adaptor M 16 x 2 to plug-in (STAUFF Test 20 to STAUFF Test 10)	SAD20/10-P	D45	
<b>4. Temperature Measurement (for connecting and extension cables for measuring transmitters, see item 8)</b>			
Temperature sensor -25°C ... 125°C (-13°F ... 257°F) for pipeline installation	Sensor PPC-04/12-TS	D45	
Rod-type temperature sensor -25°C ... 125°C (-13°F ... 257°F) for tank/container measurements	Sensor PPC-04/12-TSH	D45	
Straight threaded adaptor with M 10 x 1 connection (for the PPC-04/12-TS sensor)	SGV-16S-G	D45	
<b>5. Flow Measurement (for connecting and extension cables for measuring transmitters, see item 8)</b>			
<b>SFM flow meters with integrated signal converter</b>			
Measuring range from 1 ... 15 l/min (0,3 ... 3,9 US GPM)	Flow meter PPC-04/12-SFM-015	D47	
Measuring range from 4 ... 60 l/min (1,0 ... 15,9 US GPM)	Flow meter PPC-04/12-SFM-060	D47	
Measuring range from 6 ... 150 l/min (1,6 ... 39,6 US GPM)	Flow meter PPC-04/12-SFM-150	D47	
Measuring range from 10 ... 300 l/min (2,7 ... 79,0 US GPM)	Flow meter PPC-04/12-SFM-300	D47	
Measuring range from 20 ... 600 l/min (5,3 ... 158,0 US GPM)	Flow meter PPC-04/12-SFM-600	D47	
Measuring range from 25 ... 750 l/min (6,6 ... 198,0 US GPM)	Flow meter PPC-04/12-SFM-750	D47	
<b>6. Rotational Speed Measurement</b>			
Rotational speed sensor with integrated connecting cable 2 m / 6,5 ft.	Sensor PPC-04/12-SDS-CAB	D46	
Contact adaptor	Adaptor PPC-04/12-SKA-Contact	D46	
Focusing adaptor	Adaptor PPC-04/12-SFA-Focus	D46	
<b>7. Miscellaneous Measurements (PPC-06/08-plus, PPC-12 only)</b>			
External trigger adaptor	Adaptor PPC-06/12-TR-A	D49	
Current/voltage/Third-party sensor adaptor (up to 4 A DC / 48 V DC)	Adaptor PPC-06/12-A/V-A	D49	
<b>8. Connecting Cables for Measuring Transmitters without Integrated Cable, Extension Cable or Adaptor</b>			
Connecting cable 3 m / 10 ft. (5-pin connection on both ends)	Cable PPC-04/12-CAB3	D50	
Extension cable 5 m / 16 ft. (6-pin connection on both ends)	Cable PPC-04/12-CAB5-EXT	D50	
Adaptor cable from old (4-pin) sensors to current (5-pin) hydraulic testers	Adaptor PPC-04/12-U5P-S4P	D50	
Adaptor cable from current (5-pin) sensors to older (4-pin) hydraulic testers	Cable PPC-04/12-CAB2-U4P-S5P	D50	
<b>9. PC-Anschluss und -Software</b>			
PC software and PC adaptor for PPC-04 /2 (RS-232 connection)	PC-SET PPC-04-SW-CAB	D50	
PC software and PC adaptor for PPC-12 (Anschluss RS-232)	PC-SET PPC-06/12-SW-CAB	D50	
PC-Software and USB connection lead for PPC-06/08-plus	PC-SET PPC-06/08-PLUS-SW-CAB	D50	
Adaptor cable RS-232 to USB for PPC	Adaptor PPC-04/12-RS232-to-USB-CAB	D50	
<b>10. Accessories and Spare Parts</b>			
Power supply unit (110 / 230 V AC) for PPC-04 /2, PPC-06/08-plus and PPC-12	Power supply unit PPC-04/12-110V/230V	D43	
Automobile cable (12 V / 24 V) for PPC-04 /2, PPC-06/08-plus and PPC-12	Cable PPC-04/12-CAB-MOB	D60	
PPC-04 case (plastic, with foam insert)	Case PPC-04	D51	
PPC-06/08/12 case (plastic, with foam insert)	Case PPC-06/12	D52	

\* 0 ... 15 bar (0 ... 210 PSI) relative pressure at PPC-04 /2

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

As an additional option, all hydraulic testers and sensors of the PPC series are available with a specially designated calibration (with calibration certificate). In addition, a corresponding calibration can be performed subsequently for all hydraulic testers and sensors. These extra calibrated units must be requested with a separate ordering code (see the table below).

Description	Ordering Code	Catalog Page	Quantity Required
<b>1K. PPC-04 /2 Hydraulic Tester, Calibrated</b>			
Hydraulic Tester PPC-04-B /2 calibrated with 2 sensor inputs, without data memory, with battery	Hydraulic Tester PPC-04-B-CAL /2	D37	
Hydraulic Tester PPC-04-A /2 calibrated with 2 sensor inputs, without data memory, including rechargeable battery and power supply unit (110/230 V)	Hydraulic Tester PPC-04-A-CAL /2	D37	
Hydraulic Tester PPC-04-A /2 calibrated with 2 sensor inputs, without data memory, including rechargeable battery and power supply unit (110/230 V) and data output (without PC set)	Hydraulic Tester PPC-04-AP-CAL /2	D37	
<b>2K. PPC-06/08/12 Hydraulic Tester, Calibrated</b>			
Hydraulic Tester calibrated with 3 sensor inputs including PC software and PC connecting cable, including power supply unit	Hydraulic Tester PPC-06-plus-CAL	D39	
Hydraulic Tester calibrated with numeral for sensor inputs, including PC software and PC connecting cable, including power supply unit	Hydraulic Tester PPC-08-plus-CAL	D39	
Hydraulic Tester calibrated with 6 sensor inputs, including PC software and PC connecting cable, including power supply unit	Hydraulic Tester PPC-12-CAL	D41	
<b>3K. Pressure Measurement, Calibrated (for connecting and extension cables for measuring transmitters, see item 8)</b>			
Pressure transmitter G 1/2 A (without connecting cable, calibrated)			
Pressure range from -1 ... 15 bar (-15 ... 210 PSI) relative pressure*	Sensor PPC-04/12-PT-015 /2	D44	
Pressure range from 0 ... 60 bar (0 ... 870 PSI) absolute pressure	Sensor PPC-04/12-PT-060 /2	D45	
Pressure range from 0 ... 150 bar (0 ... 2.175 PSI) absolute pressure	Sensor PPC-04/12-PT-150 /2	D46	
Pressure range from 0 ... 400 bar (0 ... 5.800 PSI) absolute pressure	Sensor PPC-04/12-PT-400 /2	D47	
Pressure range from 0 ... 600 bar (0 ... 8.700 PSI) absolute pressure	Sensor PPC-04/12-PT-600 /2	D48	
Pressure range from 0 ... 600 bar (0 ... 8.700 PSI) absolute pressure **	Sensor PPC-04/12-PT-601 /2	D49	
Subsequent calibration of a pressure sensor	CAL-PPC-04/12-PT	D50	
<b>4. Temperature Measurement (for connecting and extension cables for measuring transmitters, see item 8)</b>			
Temperature sensor -25°C ... 125°C (-13°F ... 257°F) for pipeline installation	Sensor PPC-04/12-TS-CAL	D45	
Rod-type temperature sensor -25°C ... 125°C (-13°F ... 257°F) for tank/container measurements	Sensor PPC-04/12-TSH-CAL	D45	
Straight threaded adaptor with M 10 x 1 connection (for the PPC-04/12-TS sensor)	SGV-16S-G	D45	
<b>5. Flow Measurement (for connecting and extension cables for measuring transmitters, see item 8)</b>			
SFM flow meters with integrated signal converter			
Measuring range from 1 ... 15 l/min (0,3 ... 3,9 US GPM)	Flow meter PPC-04/12-SFM-015-CAL	D47	
Measuring range from 4 ... 60 l/min (1,0 ... 15,9 US GPM)	Flow meter PPC-04/12-SFM-060-CAL	D47	
Measuring range from 6 ... 150 l/min (1,6 ... 39,6 US GPM)	Flow meter PPC-04/12-SFM-150-CAL	D47	
Measuring range from 10 ... 300 l/min (2,7 ... 79,0 US GPM)	Flow meter PPC-04/12-SFM-300-CAL	D47	
Measuring range from 20 ... 600 l/min (5,3 ... 158,0 US GPM)	Flow meter PPC-04/12-SFM-600-CAL	D47	
Measuring range from 25 ... 750 l/min (6,6 ... 198,0 US GPM)	Flow meter PPC-04/12-SFM-750	D47	
<b>6. Rotational Speed Measurement</b>			
Rotational speed sensor with integrated connecting cable 2 m / 6,5 ft.	Sensor PPC-04/12-SDS-CAB-CAL	D46	
Contact adaptor	Adaptor PPC-04/12-SKA-Contact	D46	
Focusing adaptor	Adaptor PPC-04/12-SFA-Focus	D46	

## Calibration Certificate

Walter Stauffenberg GmbH & Co. KG

In Ehrenfeld 4 D-48791 Wertholz Telefon (0 23 93) 9 16-0

**Kalibrier-Zertifikat / Calibration Certificate**

Zertifikat-Nr.: 123456789  
 Beschreibung: PPC-04-AP /2  
 Serien-Nr.: 123456  
 Auftrags-Nr.: 123456  
 Auftraggeber ID-Nr.: 987654321 v. 01.01.2000  
 Auftrags-Nr.: 2145678  
 Order-Nr.: 2145678

Hiermit bestätigen wir, daß das oben genannte Meßsystem unter Beachtung eines zertifizierten Qualitätssicherungssystems nach DIN ISO 9001:2000 kalibriert wurde.

Die für die Kalibrierung verwendeten Meßanordnungen werden regelmäßig kalibriert und sind rückführbar auf die nationalen Normale der Physikalisch-Technischen Bundesanstalt (PTB). Desweiterens oder auf andere nationale Normale. Wo keine nationalen Normale existieren, entspricht das Meßverfahren den derzeit gültigen technischen Regeln und Normen.

Die für diesen Vorgang angelegte Dokumentation kann bei Bedarf eingesehen werden. Alle erforderlichen Meßdaten sind auf den nachfolgenden Seiten(dieses Kalibrier-Zertifikats) aufgeführt.

We hereby confirm that the above mentioned measuring system was calibrated according to DIN ISO 9001:2000, under the observation of a certified quality assurance system. The measuring installations used for calibration are regularly calibrated and are based on the national standards of the German Federal Physical and Technical Institute (PTB) or on other national standards. Should no national standards exist, the measuring procedure corresponds with the technical regulations and norms valid at the time of the measurement.

The documents established for this procedure are available for viewing. All the necessary measured data can be found on the following page(s) of this calibration certificate.

Besondere Bemerkungen: / Special remarks

Kalibrierdatum / Date of calibration: 01.01.2000  
 Bearbeiter / Processed by:

Anzahl der Seiten dieses Kalibrier-Zertifikats/dieses Kalibrier-Zertifikats: 2

Walter Stauffenberg GmbH & Co. KG

In Ehrenfeld 4 D-48791 Wertholz Telefon (0 23 93) 9 16-0

**Kalibrier-Zertifikat Nr./Calibration certificate no. 123456789**

Bezeichnung: PPC-04-AP/2  
 Serien-Nr.: 9933  
 Serial no.: 123456  
 Value of source at: 21.5 °C  
 Humidity: 37 %rel

Reference 1: AB 3405 A Ser.No. 123456789

**Range 600 bar**

INPUT 1	Nominal	Actual	Deviation
0,3 V	0 bar	0,00 bar	0,00 bar
0,33 V	10 bar	9,00 bar	-0,40 bar
1,2 V	300 bar	300,20 bar	+0,20 bar
2,1 V	600 bar	600,00 bar	0,00 bar

**Range 600 bar**

INPUT 2	Nominal	Actual	Deviation
0,3 V	0 bar	0,00 bar	0,00 bar
0,33 V	10 bar	9,00 bar	-0,40 bar
1,2 V	300 bar	300,20 bar	+0,20 bar
2,1 V	600 bar	600,00 bar	0,00 bar

Check according to test programme XXXXXXXXXX:Platzverbleib: No complaints  
 Check according to test programme XXXXXXXXXX:Endtest: No complaints

Date: 01.06.2005  
 Processed by:

Anzahl der Seiten dieses Kalibrier-Zertifikats/dieses Kalibrier-Zertifikats: 2