

Hand-held measuring unit ideal for maintenance, service and commissioning of hydraulic systems.

Today's hydraulic systems require a precise, quick and uncomplicated way of measuring important hydraulic parameters. For this purpose STAUFF offers the ideal solution: The PPC-04 /2.

New revised model:

- Two-line display
- 5-pin-sensor input
(now compatible with sensors of the PPC-06/08/12 series)
- "ZERO"-function



The portable measuring device PPC-04 /2 is controlled by 8 buttons enabling the user to easily obtain data on working pressure, peak pressure, differential pressure, temperature, flow and rotational speed.

The PPC-04 /2 provides two separate sensor inputs which automatically identify the sensor connected to it. The new two-line display now shows the values of both sensor inputs at one time. The unit and scale can be changed during use.

The PPC-04 /2 is insensitive to dirt and is designed to be used wherever hydraulic control and components are in use. The heavy duty rubber cover protects the unit from damage during use in extreme conditions. The PPC-04 /2 is powered either by a standard 9V battery (PPC-04-B /2), or by an integrated rechargeable battery (PPC-04-A/-AP /2).

Operation for an extended period of time is supported with the use of an AC power adaptor, which also charges the rechargeable-battery. With the RS-232 port (not for PPC-04-A /2 and PPC-04-B

/2) the PPC-04 /2 can be directly connected to the serial port of a PC or notebook. The PPC-04 /2-software is compatible with all Windows 3.1®, Windows 95®, Windows 98®, Windows NT® and Windows XP® operating systems.

PPC-04 /2-Kits are supplied complete with adapters to connect the unit to STAUFF Test 20/15/12 and STAUFF Test 10 test points, even under pressure. Temperature and Flow measurements are possible using Temperature Sensor PPC-04/12-TS or SFM flow turbines mounted in the hydraulic line. Rotational speed can be measured using the STAUFF PPC-04/12-SDS rotational speed sensor.

In order to measure differential pressure two transducers of the same pressure range must be used.

Note ! This unit does not have internal data collection and logging capability.

Hydraulic Tester PPC-04-B /2, PPC-04-A /2 and PPC-04-AP /2

PPC-04-B /2	Unit with replaceable battery
PPC-04-A /2	Unit with rechargeable battery
PPC-04-AP /2	Unit with rechargeable battery and data output

Measurements:

- Pressure in bar and *PSI*
 - Temperature in °C and °F
 - Flow in l/min and *GPM (US)*
 - Rotational speed U/min and *RPM*
- Two-line LCD-Display (4-digit)
Text height 8 mm (0.32 inch)
 - Automatic recognition and identification of sensors connected
 - Data output to transfer data to PC (PPC-04-AP /2 only)
 - Plastic ABS housing with protective rubber cover integrated with stand and carrying straps
 - Auto power off after 15 minutes

* FS = Full Scale

Power supply:

- External power supply 110/230 VAC (PPC-04-A/-AP /2 only)
- 9V / 110mA/h block battery IEC 6F 22
- PPC-04-B /2 operating time with rechargeable batteries 5 hours
- CAR-adaptor 24VDC (PPC-04-A/-AP /2) (optional)

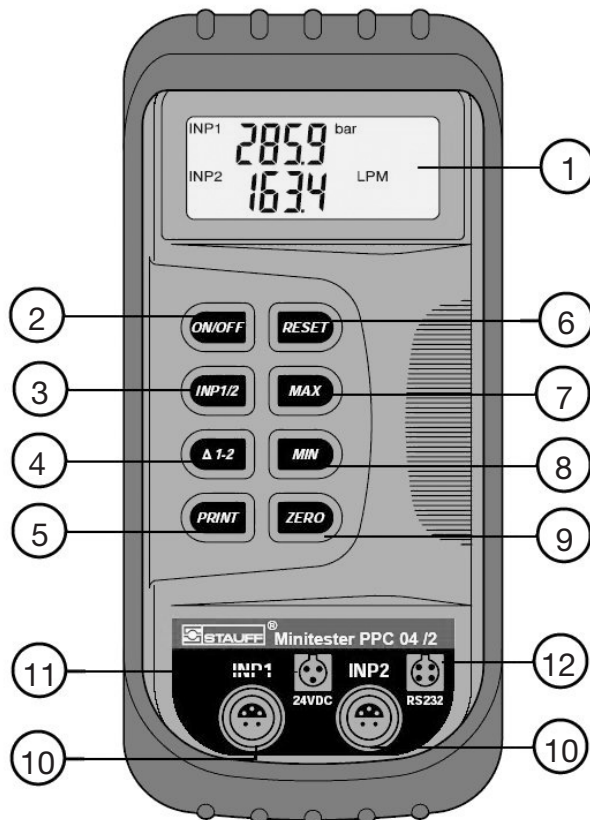
Connections:

- Sensor input (5-pin)
- Automatic sensor identification
 - Input signal U = 0...3 VDC (R=470kΩ)
 - Scanning rate ≤ 2 ms
 - Accuracy < 0,3% FS ± 2 Digit
- Data output (4-pin, RS232-port)

General:

- Temperature range 0...50°C (32...122°F)
- Storage Temperature -20...60°C (-4...140°F)
- Relative Humidity < 85%
- Protection Level EN60529 - IP54
- Dimensions L/W/H 145 x 70 x 40 mm (5.71 x 2.76 x 1.57 inch)
- Weight approx. 330 g (0.73 lbs.)

Functional description PPC 04/2



1. **DISPLAY** Two-line LCD-display, display INP1 and INP2 or Δ P-value; battery status
2. **ON/OFF** Power on/off Switch
3. **INP 1/2** Selects whether meter will display measurement from Input 1 or Input 2
4. **Δ1-2** Displays the differential value of INPUT 1 minus INPUT 2
5. **PRINT*** Sends displayed measurements to PC or notebook
6. **RESET** Resets minimum and maximum values to zero, calibration for Δp-measurement
7. **MAX** Displays the maximum value since meter was last reset or turned on. (f.e. pressure peak display)
8. **MIN** Displays the minimum value since meter was last reset or turned on
9. **ZERO** Zero-point adjustment
10. **INP1 / INP2** 5 pin sensor input
11. **24 VDC** External power supply or CAR-adaptor socket
12. **RS 232*** Data output to transmit measured values to PC or notebook

* only PPC-04-AP /2