

- Measure Pressure, Temperature, Flow Rate, Frequency or Rotational Speed
- Integrated Data Storage
- Permanent Recording of Min/Max Values
- Menu-Driven Interface
- Automatic Recognition and Identification of connected Sensors
- Rugged Design
- Windows Compatible Software on CD-ROM
- RS-232-port for PC-connection
- Large, automatic scaling LCD-Display
- Online-data transfer



Type	Number of Sensor inputs	Data storage capacity up to ... data points
PPC-06	3	60,000
PPC-08	4	125,000
PPC-12	6	250,000

The PPC-06/08/12 Hydraulic Testers are state-of-the-art instruments designed to provide the latest in diagnostic evaluation of hydraulic and pneumatic systems. These units are available in either three, four or six channel models. Additional to the features of the PPC-04 /2-series the PPC-06/08/12 units have an integrated data storage for data recording and further processing.

The ergonomically designed case and large automatic scaling LCD display make it easy to use in even the most demanding environments.

The three different Hydraulic Testers PPC-06/08/12 differ in their data storage capacity, and in the number of sensor input ports (three, four or six channel model).

These hand held meters provide measurement and display of pressure, temperature, flow, differential pressure, as well as rotational speed. They are the perfect tools to capture diagnostic measurements at remote locations. Also new to these meters are the functions for calculating power and flow run-out. Permanent recording, a special trigger-function and the connection of auxiliary sensors are also additional features.

The PPC-06 Hydraulic Tester can store up to 60,000, the PPC-08 up to 125,000 and the top-of-the-line unit PPC-12 up to 250,00 data points. These measurements can be transferred directly to a PC via an RS-232 interface. The new PPC Software is compatible with all Windows 95®, Windows 98®, Windows NT® and Windows XP® operating systems and allows various data analysis and reports.

The PPC-06/08/12 units offer the latest in automatic sensor identification technology, eliminating the time consuming task of programming each individual sensor. This technology allows you to just plug in the sensor and you are ready to take measurements. The PPC-06/08/12 Hydraulic Tester will also allow you to program the individual inputs to accept other data collection formats, such as 4-20mA, 1-10 Volt or frequency.

Consult STAUFF for further details about the new PPC-06/08/12 Hydraulic Tester and kits.

TECHNICAL DATA

Hydraulic Tester PPC-06, PPC-08 and PPC-12

	Sensor input (5-pin)	Data storage capacity (number of data points)
PPC-06	3	60,000
PPC-08	4	125,000
PPC-12	6	250,000

Measurements:

- Pressure in bar and *PSI*
- Temperature in °C and °F
- Flow in l/min and *US GPM*
- Rotational speed in U/min and *RPM*
- Digital LCD-display 128x64 pixels
- Automatic character height scaling
- Automatic sensor identification
- Data output for data transfer to PC or notebook
- Reinforced polyamide glass material
- 11-key tactile touch membrane
- EMC Protection (EMV):
 - Electromagnetic interference DIN/EN 50081, Part 1
 - Immunity to emitted interference DIN/EN 50082, Part 2
- Auto power Off

Memory Functions:

- Variable storage rate
- Variable measuring period (2s ... 100h)
- Manual and automatic triggering

Power supply:

- Recharge circuit for use with external power supply
- Internal NiCd-rechargeable battery 7.2V / 700mAh
- Operating time with rechargeable batteries 5 hours

Connections:

Sensor input (5-pin)

- Automatic sensor identification
- Input signal U = 0...3 VDC (R = 470kΩ)
- Frequency input via input socket 13
- Frequency range 0.5 Hz ... 30 kHz
- Scanning rate < 1 ms
- Accuracy < 0.3 % FS* ± 2 digit

Data output 4-pin, RS-232 interface (push/pull)

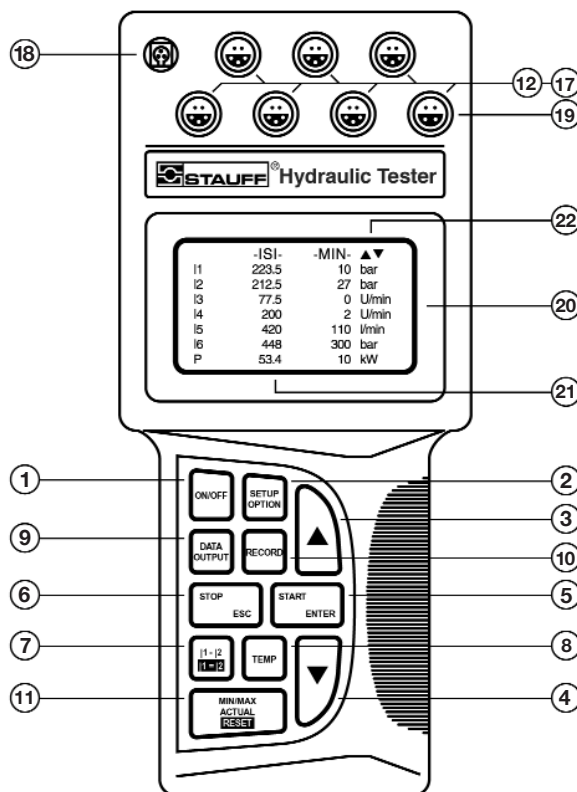
- Adjustable baud rate : 1200 ... 38400 PBS
- 8 data bits, 1 stop bit

General

- Temperature range 0 ... 50°C (32 ... 122°F)
- Storage temperature -20 ... 60°C (-4 ... 140°F)
- Relative humidity < 80%
- Protection class EN 60529 - IP54
- Dimensions L/W/H 235 x 106 x 52,5 mm (9.25 x 4.17 x 2.07 inch)
- Weight 700 g (1.54 lbs)

* FS = Full Scale

Functional description PPC-06 / 08 / 12



- 1 **ON/OFF** Turns unit on / off.
- 2 **SETUP/OPTION** Change system settings (date/clock, storage operation)
- 3/4 **ARROWS** Select line and function values.
- 5 **START/ENTER** Change function values and start measurements.
- 6 **STOP/ESC** Stop or terminate functions.
- 7 **I1-I2** Differential value between input 1 and input 2.
- 8 **TEMP** Zero adjustment (Tare-function) Displays the measured temperature values for all channels.
- 9 **DATA-OUTPUT** Displays output to PC, or graphic display.
- 10 **RECORD** To record and store measurements.
- 11 **MIN/MAX/ACTUAL** Displays the minimum and maximum and actual values. Reset deletes values.
- 12-17 **INPUT** Inputs for up to six sensors. (automatic sensor recognition)
- 18 **EXTERNAL POWER SUPPLY 11-30 VDC** Input for external power supply and charging of internal battery.
- 19 **DATA OUTPUT** RS-232 port for connecting to the PC, or external trigger module.
- 20 **GRAPHIC LCD-DISPLAY** Displays measured values, adjustment menus and graphics.
- 21 **ADDITIONAL LINE** Displays the power or flow run out values.
- 22 **STATUS LINE** Shows the designation of the measured value or the menu name.