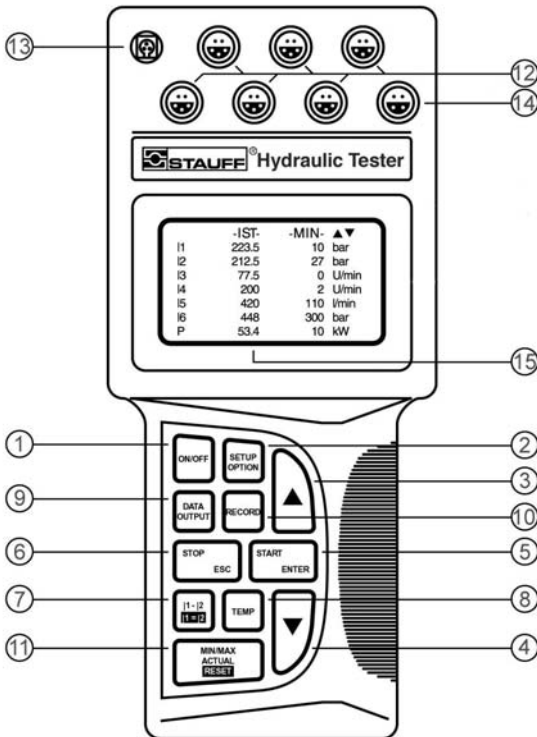


This **Quickstart operating manual** will allow the use of some basic PPC features in a few steps. For full operating details - e.g. storing results, online measurements, view the complete operating instructions for PPC-06/08/12.

1. The PPC-06/08/12



1. „ON / OFF“
press and hold to start the PPC-06/08/12
2. „SETUP / OPTION“
change the System setup
3. „arrow keys“
select function value
4. „arrow keys“
select function value
5. „START / ENTER“:
„START“
„ENTER“
starts measurement recording
selects functions and stores changed parameters
6. „STOP / ESC“:
„STOP“
„ESC“
!!! Changed settings are memorized after selecting „ESC“ !!!
stops the recording of measurements
stops selection of parameters and close menus
7. „I1-I2 / I1=I2“
calculates the difference between channel 1 and Channel 2. The difference „Δ“ is displayed instead of channel 2. By selecting **I1=I2** channel 2 can be aligned with channel 1. pressing and holding shows the temperature of all channels
8. „TEMP“
pressing and holding shows the temperature of all channels
9. „DATA OUTPUT“
starts the data transfer to PC, printer or display
10. „RECORD“
records measurements to internal memory
11. „MIN/MAX ACTUAL / RESET“:
„MIN/MAX ACTUAL“
„RESET“
switching between ACT, MIN and MAX -display
deletes MIN/MAX-values
12. „SENSOR INPUTS“
up to 6 inputs, according to device type
13. „LOW.VOLTAGE SOCKET“
external voltage supply and battery charging
14. „DATA OUTPUT SOCKET“
connection of external instruments like PC, printer etc.
15. The „Graphic LCD Display“ shows measurement values, settings and graphics.

2. Operation

All PPC-06/08/12 operations are selected on the keypad. To open the required menus press the corresponding keys. With the "arrow keys" (3/4) you can move the cursor through the menu. After selecting a menu, press the "ENTER" -key (5) to allow further options.

3. Connecting the power supply and recharging the battery

The power supply is to be connected to the „LOW VOLTAGE SOCKET“ (13). The PPC-06/08/12 utilizes an internal battery which is automatically recharged during operation with power supply connected; Full recharge takes approximately five hours of charge time.

4. Connecting the sensors and turning on the PPC-06/08/12

The provided sensors are connected to the sensor inputs. The red marks on the plug and socket must line up. To start, press and hold "ON / OFF" key (1) until unit turns on. The sensors are automatically recognized and the measured values are shown on the display.

5. Changing display

Sensors	In	ACT	MIN	Units
Measurement values	1	223,6	10	bar
	2	212,5	27	bar
ACT	3	77.5	0	U/min
ACT / MIN	4	200	2	U/min
ACT / MAX	5	420	410	l/min
MIN / MAX	6	448	300	bar
Sensor	P	53.4		kW

Optional channel

By pressing the „MIN/MAX ACTUAL / RESET“ -key (11) the display can be switched between the different measurement views. By pressing the „MIN/MAX ACTUAL / RESET“ -key for more than 4 seconds, the MIN/MAX -values are deleted.

6. Display the temperatures of all sensors

By pressing and holding the „TEMP“ -key (8) temperatures of all the sensors are displayed.

7. Display differential values „Δ“

By pressing the „I1-I2 / I1=I2“ -key (7) the difference „Δ“ between channel 1 and Channel 2 are displayed in the second line.

!!! The sensors must have the same measurement range !!!

In	ACT	MIN	Units
1	223,6	10	bar
Δ	2,5	2,5	bar
3	77.5	0	U/min

8. Alignment of channel 1 and channel 2

By pressing the „I1-I2 / I1=I2“ -key (7) for more than 4 seconds, channel 2 will be aligned to channel 1 and set to „0“ value. Channel 2 is now displayed as the difference „Δ“ to channel 1. „STOP / ESC“ (6) ends the alignment.

In	ACT	MIN	Units
1	223,6	10	bar
Δ	0	0	bar
3	77.5	0	U/min

9. Optional channel

Volume and Power calculations can be accomplished by selecting the optional channel. These calculations are selected by choosing "SETUP" and then "COMBINATION".

10. Recording and transferring of measurements

The recording of measurements is initiated by pressing the „RECORD“ -key (10). The output on the units display, or on an external units display, is initiated by pressing the „DATA OUTPUT“ -key (9).

Further information about settings, recording and displaying results, as well as online measurements can be found in the detailed operating instructions.

11. Connection and evaluation with PC

The PPC-06/08/12 must be connected using the interface cable to the PC in order to evaluate measurements with the PC.

!!! Before transferring measurements the RS-232 interface test must be completed !!!

Short information about the PPC-SOFT software can be found in the manual. For more information have a look into the online-help-file.