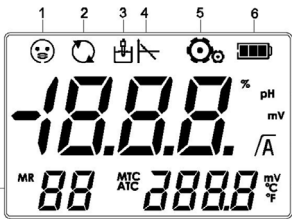


Quick guide PUROTAP® PHpro-21

Explanation of the buttons

Button		Pressed briefly	Pressed and held down (3 s)
Read		Confirm read / settings	Select end point
Calibrate		Calibrate	Display data from last calibration
Back		Back / switch on	Switch off
Store		Store test data / increase setting value	Display stored data
Mode		Mode / reduce setting value	Settings

Display and keyboard

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- 1 Probe status
 - 2 Continuous mode
 - 3 Test status symbol
 - 4 Status of probe calibration
 - 5 Parameter setting mode
 - 6 Battery status
 - 7 Probe slope or pH/mV status
 - 8 Read stable/automatic end point
 - 9 Temperature during testing/reference temperature for calibration/calibration of probe zero point
 - 10 Error index/calibration points/buffer group

1-point calibration

Dip the probe into the buffer and press the “CAL” button to start calibration. The calibration symbol is displayed. Once the signal has stabilised, the meter determines the end point of the calibration automatically according to the preset end point method or the end point is determined manually by pressing “Read”.

Storing the calibration result

Once the reading has stabilised, press the “Read” button. The device then displays the zero point and the slope and returns automatically to the test interface.



If 1-point calibration is selected, only the zero point is set. If the probe has previously undergone multi-point calibration, its slope is retained. Otherwise, the theoretical slope (- 59.16 mV/pH) is used. If you press and hold down the “CAL” button, the meter displays the slope and zero point value, then the device returns to the test interface.

2-point calibration

Step 1: perform a 1-point calibration as described.

Step 2: rinse the probe with demineralised water.

Step 3: dip the probe into the next calibration buffer and press the “CAL” button to start the next calibration.

Once the signal has stabilised, the meter determines the end point of the calibration automatically according to the preset end point method or the end point is determined manually by pressing “Read”.

3-point calibration

Perform a 2-point calibration and repeat steps 2 + 3.

Sample testing

Insert the probe into the sample solution and press the “Read” button to start testing; the decimal point on the display will flash. An automatic end point for the test (shown by symbol A) is the device’s default setting. When the result is stable, the decimal point no longer flashes and the display shows $\sqrt{A}$.

Press “OK” to toggle between automatic and manual end point mode. If you wish to test an end point manually, press “OK” and the displayed value is held.

If you wish to call up the mV value during a pH test, simply press the “Mode” button. To perform an mV test (ORP), follow the same steps as for a pH test.



After each test, the probe must be cleaned with demineralised water.



If only one water sample is available for pH and conductivity testing, the conductivity test must be carried out before the pH test. Conductivity is increased by pH testing!



Testing the pH value of demineralised water is difficult, as it is not very conductive. The test can therefore take several minutes. To simplify testing, 1-2 drops of the storage solution can be added to the sample. This drastically increases conductivity and makes pH testing easier.



QR code for detailed operating instructions.