

# pH meter

## digital pH meter

Measure easily and precisely

Easy to use

Precise in results

## Specifications

- measuring range: 0.00 – 14.00 pH
- Resolution display: 0.01 pH
- Measurement accuracy: +/- 0.01 pH
- Min., -Max. temperature: 0° - 60°C
- Battery: 2x 1.5V button cell (AG13)
- Dimensions: 153mm x 30mm x 14mm
- Weight: 50g

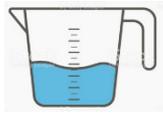
## Application

1. Before using remove the protective cap and clean the probe with purified water (or osmosis water).
2. Hold the pH meter at a maximum depth of 2cm in the liquid to be analysed and switch it on (ON/OFF Button).
3. Swirl the pH meter slightly in the water until a reading has settled ( about 30 sec.).
4. (Optional) To measure the temperature in °C, briefly press the “TEMP/CAL Button” 1x or 2x for °F.
5. After reading the measurement result, clean the probe as described in point 1, switch off the pH meter and replace the protective cap.

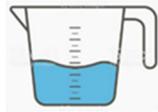
## Calibration

Before the first measurement, the pH meter should be calibrated. If possible, carry out the calibration in water at 25°C and, calibrate it several times a year.

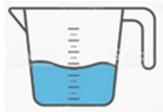
1. Fill three or four clean jars with 250ml of purified water.
2. Dissolve the calibration solutions, 4.00, 6.86 and optionally 9.18 in each of the jars by gentle stirring.
3. Use the remaining jar to clean the pH meter.



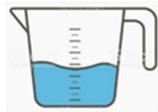
pH 4.00



pH 6.86



pH 9.18  
(optional)



purified or  
osmosis water

4. Turn on the purified and dry pH meter and keep it for about 30 sec. into the pH 6.86 calibration solution. Then keep the TEMP/CAL button pressed for about 5 seconds. The display now flashes at 6.86 three times. Thus, the meter is calibrated to the value 6.86. Clean the meter with distilled water and dry.
5. Hold the pH meter in the pH 4.00 calibration solution and hold the TEMP/CAL button for about 5 seconds, then briefly press the TEMP/CAL button until 4.00 appears on the display. This value flashes three times. Thereafter, the device is calibrated to pH 4.00. Clean the device.
6. (Optional) For measurements above pH 7.00 and even more precise measurement results, the device can additionally be calibrated to pH 9.18. Hold the pH meter in the pH 9.18 calibration solution and hold the TEMP/CAL button for about 5 seconds, then press the TEMP/CAL button twice in quick succession until 9.18 appears on the display. This value now flashes three times. After that, the calibration is complete. Clean and switch off the device.

## Hints and Tips

- A recalibration should be carried out without the use of the device, especially in the case of very frequent use and a longer period of time.
- If the unit is calibrated in the air or in the wrong solution, it shows the value "ERR" on the display.
- To prevent the probe from drying out and recalibrating, storage solution can be placed in the protective cap.
- If the device does not turn on or the display is poorly readable, the batteries may be dead.
- Crystallized calibration solution on the device can be easily removed with a fingernail or cloth and does not constitute a reason for complaint.

## Warranty

We guarantee a perfect function of the pH meter within 12 months from the date of purchase. Defects discovered during this period will be remedied free of charge within 14 days from the date of delivery of the device in original packaging and proof of purchase. This warranty does not cover damage caused by improper use of the device. Mechanical damage to the device and the resulting defects, damage and faults resulting from improper handling, non-observance of the operating instructions and improper storage and maintenance as well as unauthorized repairs, modifications or changes to the construction

are excluded from the warranty. The seller has no obligation to provide a replacement device for the duration of the repair.

### **Note according to the battery law**

Old batteries do not belong in household waste. You can return used batteries free of charge at our shipping depot. You are legally obliged as a consumer to return used batteries. Contaminated batteries are marked with a symbol consisting of a crossed-out wheeled bin and the chemical symbol (Cd, Hg or Pb) of the heavy metal that determines its classification as pollutant:



**Cd**



**Hg**



**Pb**

1. "Cd" stands for cadmium
2. "Hg" stands for mercury
3. "Pb" stands for lead

**Manufactured in P.R.C.**