



**KETOTEK**  
**KT-3 Portable  
 PH Meter**

### Product Presentation



### Product Description

A pH meter is a scientific instrument that measures the hydrogen -ion activity in water-based solutions, indicating its acidity or alkalinity expressed as pH. The pH meter measures the difference in electrical potential between a pH electrode and a reference electrode. The difference in electrical potential relates to the acidity or pH of the solution. The pH meter is used in many applications ranging from laboratory experimentation to quality control.

Portable KT-3 PH meter is a professional instrument with high performance ,pen-type design,fast numerical stability and accurate result.

### Specification

Measure Range : 0.00—16.00 pH  
 Auto shut-off: 5 minutes  
 Temperature Compensation: Automatic  
 Operating Temperature: 0°C—60°C  
 Calibration: one points calibration (Factory calibrated)  
 Accuracy: ±0.01pH      N.W : 50g      Size: 155×31×18 (mm)

## Use Step

1. Remove the electrode protection cap.
2. First rinse the electrode with distilled water. Dry with filter paper.
3. Press the ON/OFF button, and immerse the meter into the solution. (the solution should not over the immersion line.)
4. Stir gently and wait around 30 seconds until the display value is stable. You will get the right PH value now.
5. Clean the electrode with pure water, turn off the meter and cover the protection cap.

### Auto Shut-off Function

The meter will automatically shut down to save battery power if you do not press any key within 5minutes.

### Automatic temperature compensation

The meter has automatic temperature compensation function.

## Calibration

1. Dissolve each buffer solution in 250ml distilled water
2. Immerse the electrode into the PH 6.86 solution.(under 25°C)
  - Press "CAL" button for 5 seconds and release
  - the screen will display 6.86 and flashing. Wait until it stop flashing
  - Rinse the electrode with distilled water and dry it with filter paper
3. Immerse the electrode into the PH 4.01 solution.(under 25°C)
  - Press "CAL" button for 5 seconds and release.
  - the screen will display 4.01 and flashing. Wait until it stop flashing
  - Rinse the electrode with distilled water and dry it with filter paper
4. If need to use 9.18 solution to calibrate it, Immerse the electrode into the PH 9.18 solution.
  - Press "CAL" button for 5 seconds and release.
  - the screen will display 9.18 and flashing. Wait until it stop flashing

### Remarks:

After the calibration, the PH meter does not need to be recalibrated within 48 hours though it is used frequently. It needs to be recalibrated under the following conditions:

1. The solution temperature is significantly different from 25 C.
2. The electrode is exposed to air for too long time, such as more than half an hour.
3. After measuring a solution of peracid (pH<2) or overbase (pH>12)

4. The battery case be opened or after replace the battery.
5. The PH meter was not used for a long time.

### LowBatt

When the screen display value is blurred or invisible, the battery should be replaced a new one.

### Maintenance

Keep the electrode clean. Always close the electrode protection cap. Please take out of the batteries if you do not use it for a long time. Please recalibrate it when it was not used for a long time.

### Warranty

The warranty period of our products is 12 months from purchase. If a defective is found due to qualified problems of the product, we will perform three commitments: repair, replace and refund.  
Email : [info@cnketotek.com](mailto:info@cnketotek.com) for technical support.

## Note

1. The meter is a professional instrument, please use it under professional instructions to prevent it to be damaged.
2. Avoid high temperature and sunexposure.
3. The meter is not waterproof, do not throw the instrument into the solution or make the solution over the immersion line.

### Attention

1. When the value of screen is trapped at 0000 or 7.00 or any other fixed value, please take battery out and reset. then re-calibrate the meter.
2. When test the solution, you must turn on the meter in the air first, then put it into the testing solution.

