Technical data

PH meter

Specification

Measuring Range: 0.00~14.00PH
Resolution: 0.01PH
Accuracy: ±0.05PH
Power supply: 2*1.5V (keep using more than 500 hours)
Operating temperature: 0~80° C
Calibration: two points automatic calibration
Dimension:155mm*31mm*18mm
Weight:50g

Operation:

1. Remove the protective cap.
2. First rinse the electrode with distilled water, and dry it with filter paper.
3. Turn on the meter by pressing the ON/OFF key.
4. Immerse the PH meter electrode in the solution to be tested.
5. Stir gently and wait for the reading to stabilize.
6. After finished, clear the electrode with distilled water. Turn off the meter by pressing ON/OFF key.
7. Always replace the protective cap after use.

Calibration

1. Turn on the meter
2. Dissolve each buffer solution in 250ml of distilled water.
3. Immerse the electrode into the PH6.86 solution(under 25° C)
4. Press the CAL button for 3 seconds and release

-display will start flashing 6.86
-wait until the display stops flashing.
Rinse the electrode with distilled water and dry it with filter paper.

5. Immerse the electrode in PH4.00 solution

-Press the CAL button for 3 seconds, then press and release immediately second time
-display will start flashing 4.00
-wait until the display stops flashing.
Rinse and dry the electrode with distilled water as before.

6. Place meter back into buffering solution to test calibration. If incorrect then repeat calibration process (sometimes needed)

Note: If approximate PH of solution is known to be above 7.0, calibration meter using the 6.86 and 9.18 solutions. To do this following step 3, then immerse electrode into 9.18 solution. Press and hold CAL button for 3 seconds, then press and release button two more times. Reading will start flashing 9.18, then proceed as before. This will provide greater accuracy.

Note:

Recalibration is required in the following conditions:

--Lengthy period of inactivity

--very frequent use

--the testing accuracy requirement is very high.

--the CAL button was pushed and electrode exposed to air for extended period of time.

LowBatt

When the display value is fuzzy or unshown, the battery should be replaced promptly. Pay attention to the polarity of battery.

Digital PH meter maintenance

Always replace protective cap after using digital meter to keep electrode from drying out due to prolonged exposure to air, which leads to slow and/or unstable readings. If electrode has been dried out immerse it into distilled water for 2~3 hours.

Warranty

The instrument is warranted to the purchase for a year from the date of purchase.

If during these period, repair or replacement of instrument is required, please return the instrument to wither your dealers or to our office. The repair will be effected free of charge.(damage is not due to negligence or erroneous operation by the user.)

Note: please provide purchase invoice or proof before returning your instrument back.