

Oakton Meter Calibration

pH Calibration Procedure:



Required: pH standard solutions for 4.01, 7.00 & 10.01 pH.

The instrument requires three (3) pH calibration points (measurements).

Steps:

1. To turn the meter on press the **ON – Off** button
2. Press the **MODE/ENTER** button to select the **pH mode**.
3. Rinse the sensor with clean water and shake off the excess.
4. First, Insert the sensor in the **4.01** standard solution and press **CAL** (calibration button).

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The primary display will show the un-calibrated pH value. The secondary display will search for and lock on the closest automatic calibration value and should indicate **4.01**.

5. Allow the **primary display** to stabilize. It may take several minutes for the upper value to stabilize. The upper value may also not stabilize exactly on the calibration value itself. It may be slightly above the calibration value. For example in a pH 4.01 solution the upper value may stabilize at 4.5 or so. If the lower displayed value is correct for the solution and if the upper value is not changing much, pressing and releasing the MODE/ENTER button will terminate the procedure and set the calibration value even if the upper value is not exactly on target. Then press the **MODE/ENTER** button. The primary value will flash several times to indicate it has been entered.

6. The display will then seek the next standard solution value. We recommend using the **7.0** standard for the next calibration point.

7. Rinse the sensor (probe) in clean water and shake off the excess.

Insert the sensor (probe) in the **7.0** pH standard solution. The primary display will show the un-calibrated pH value. The secondary display will search for and lock on the closest automatic calibration value and should indicate **7.0**

8. Press the **CAL** button (calibration button). Allow the **primary display** to stabilize. It may take several minutes for the upper value to stabilize. The upper value may also not stabilize exactly on the calibration value itself. It may be slightly above the calibration value. For example in a pH 7.0 solution the upper value may stabilize at 7.5 or so. If the lower displayed value is correct for the solution and if the upper value is not changing much, pressing and releasing the MODE/ENTER button will terminate the procedure and set the calibration value even if the upper value is not exactly on target. It may take several minutes. Then press the **MODE/ENTER** button. The primary value will flash several times to indicate it has been entered.

9. Rinse the sensor (probe) in clean water and shake off the excess.

Insert the sensor (probe) in the **10.01 pH standard solution**. The primary display will show the un-calibrated pH value. The secondary display will search for and lock on the closest automatic calibration value and should indicate **10.01**.

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10. Press the CAL button (calibration button). Allow the **primary display** to stabilize. It may take several minutes for the upper value to stabilize. The upper value may also not stabilize exactly on the calibration value itself. It may be slightly above the calibration value. For example in a pH 10.01 solution the upper value may stabilize at 10.5 or so. If the lower displayed value is correct for the solution and if the upper value is not changing much, pressing and releasing the MODE/ENTER button will terminate the procedure and set the calibration value even if the upper value is not exactly on target. It may take several minutes. Then press the **MODE/ENTER** button. The primary value will flash several times to indicate it has been entered.

11. After you press the **MODE/ENTER** button to lock in the third standard, the meter automatically goes into measurement mode.

12. **Please Turn the meter OFF to conserve battery life.**

Note: Please help prolong the life of the Oakton probes between usages by keeping them in contact with a cotton ball soaked in the 4.0 pH standard or the HACH probe solution in the meter cap.