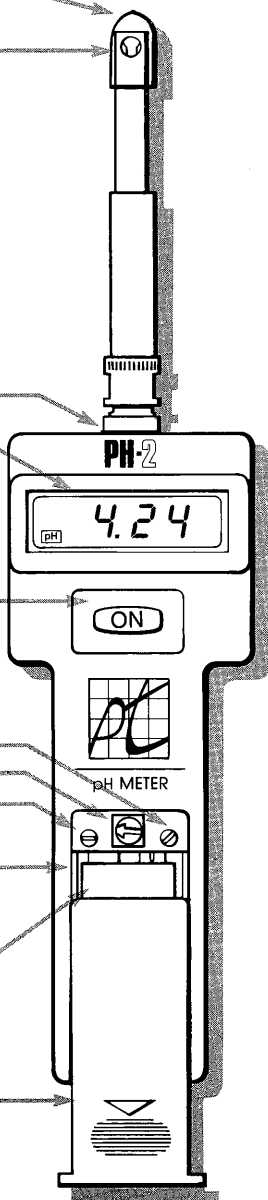


pH-2 pH METER

1. Vinyl storage cap
2. pH electrode
3. Do not immerse below electrode cap
4. Electrode pivot hinge
5. LCD display and annunciators
pH
Lo Batt
6. On/Off button
7. Adjustment potentiometers: Slope
Temp. Comp.
Cal
8. Battery compartment
9. 9V transistor battery
10. Battery compartment door



OPERATING INSTRUCTIONS

1. Deploy the pH electrode to the 90 degree or 180 degree measurement position, and remove the protective plastic bottle.
2. Slide the battery compartment door open to the first stop and locate Temp °C pot.
3. Adjust the Temp °C pot to the approximate temperature of the solution to be measured and close the battery compartment door.
4. Insert the pH probe into the test sample.
5. Depress the ON button and hold to observe the pH reading. Allow 10 to 15 seconds for the reading to stabilize.
6. Remove the pH electrode and rinse thoroughly.
7. Replace the protective plastic bottle or the vinyl storage cap. Make sure the bottle or cap are filled with #4 buffer solution or tap water.

CALIBRATION INSTRUCTIONS

Your instrument has been calibrated prior to shipment. However, it is important to verify the pH calibration periodically with fresh pH buffers.

1. Rinse electrode thoroughly with tap water.
2. Slide the battery compartment door back to the first stop exposing the adjustment potentiometers.
3. Insert pH electrode in a fresh #7 buffer solution.
4. Measure the temperature of the buffer solution.
5. Adjust the Temp °C pot to the corresponding temperature value.
6. Observe the pH reading and adjust the "Cal" pot to 7 pH.
7. Remove pH electrode & rinse in tap water.
8. Insert in a #4 or # 10 buffer.
9. Adjust the slope pot until the measured value corresponds with the # 4 or 10 pH buffer.
10. Repeat from Step 6 to Step 9.

HELPFUL HINTS

1. pH electrode should be rinsed thoroughly in pure water after each test.
2. Make sure to keep the electrode in either the plastic bottle or vinyl cap between uses.
3. Keep these storage devices filled with #4 buffer or tap water.
DO NOT USE PURE WATER.
4. Remove the battery if the pH meter will be stored for an extended period.
5. For best results, calibrate the pH meter with a buffer that is within 3 pH units of the samples to be tested.
6. If the pH electrode is allowed to dry out, rinse in a 10% HCL solution for 10 seconds. Rinse with pure water and store in a warm KCL solution overnight. This may regenerate the pH electrode.