



PRODUCT BULLETIN

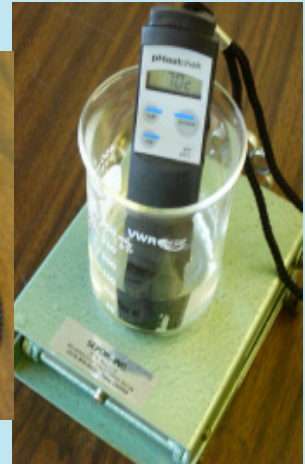
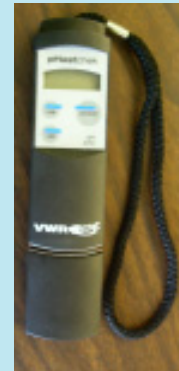
SEPOR, INC.
718 N. FRIES AVE.
P. O. BOX 578
WILMINGTON, CA 90748
PHONE: 310-830-6601
FAX: 310-830-9336

Web Site: <http://www.sepor.com>

Pocket pH Meter

The pocket pH meter fits into a shirt pocket and is capable of detecting pH readings in the range of 0.0 to 14.0. It has an accuracy of plus or minus 0.1 pH. Since the unit operates on three 1.5 volt batteries, it will operate remotely for over 100 hours. Automatic temperature correction is also included in the range of 0 to 50 degrees C.

This is an ideal tool for the field, or around the plant, or for a quick check on the pH of a liquid. The operating instructions are below:



Operating Instructions for the Pocket pH Meter

Conditioning:

Remove the cap and soak the tip of the pH check in tap water for 10 minutes.

Calibration:

1. Press the POWER button
2. Press the CAL button and "7.0" will blink with a small "c" in the lower right of the display.
3. Immerse the tester into pH 7 buffer.
4. When the "c" stops blinking, the tester has confirmed "7.0" pH. Press the VAL button. "4.0" will then appear with a "c", and they will both blink. If you are calibrating the second point in pH 10 buffer, press the CAL key and the display will change to a blinking "10.0".
5. Immerse the tester into pH 4 or pH 10 buffer.
6. When the reading is validated, the "c" will stop blinking.
7. At this point, press the VAL key and the meter is calibrated.
8. Turn the unit off.

Note: When performing a one point pH 7 buffer calibration, follow the above steps 1 through 4. Then turn the unit off. The meter will remain calibrated.

Measurements:

1. To take a pH reading, turn the meter on and place it in the solution to be measured.
2. Stir gently.
3. When the reading is stable, the “c” in the corner of the display will stop blinking.
4. If the electrode is dry, wait a while longer for the display to stabilize.

Notes:

- Rinse the probe after use. This will ensure high accuracy and long life.
- This unit will automatically shut off if not used within 10 minutes. This feature helps to save battery life.
- Do not be alarmed if white crystals form around the cap. This is normal and they will dissolve during conditioning.

Maintenance and storage:

To prolong the life of the electrode, place a small, clean sponge or tissue in the bottom of the cap, and pour some pH 7 buffer or electrode storage solution into the cap. **DO NOT USE DISTILLED OR DEIONIZED WATER.**

Changing batteries:

Remove the battery door to expose the 3 button-cell batteries. Replace with fresh batteries while paying attention to the polarity. Use 1.5V mercury-free batteries.

Error messages:

“Ec”: Wrong buffer: change buffer solution. Or unfit electrode: try cleaning and conditioning the electrode.

“Eb”: Low battery: change batteries. “Er”: over-range: dry electrode, try conditioning.

Range:	0.0 to 14.0 pH
Resolution:	0.001 pH
Accuracy:	+/- 0.1 pH
Calibration:	µp-based 2 point
Temp. Comp:	Automatic from 0 - 50o C
Battery Life:	More than 100 hours of continuous use.
Circuit:	Microprocessor based.
Specifications:	Pocket pH Meter