



Paul N. Gardner Company



USER MANUAL

Information and instructions for GARDCO
distributed products.

Operating Instructions

Oakton® EcoTestr pH2+ Waterproof Pocket Tester

Measurement:

1. Remove cap and press  button to turn on the tester.
2. Dip sensor in at least 20 mm of test solution.
3. Stir gently and wait for the flashing  to stop.
4. When pH reading stabilized, the  will appear on display & user can take the measurement.
5. Press the  button again to switch off tester.

Note: Tester automatically shuts off after 8.5 minutes of nonuse to conserve batteries.

Calibration:

1. This tester allows up to 3 Point to Point Calibration.
2. Tester can start with pH 7.00 or pH 4.01 or pH 10.01 buffer.
3. It will exit to Measurement after each calibration and Calibration Point is accumulative.
4. Remove cap and press  button to turn on the tester.
5. Dip sensor in at least 20 mm of pH buffer.
6. Stir gently and press  button to start pH calibration.
7. Display will show 'CAL' followed by the default pH value &  will appear on display during calibration.
8. When the pH reading stabilized, flashing  will stop.
9. After the  will appear on display, wait for Auto Buffer to lock.
10. After 3 seconds, tester will auto accept or press  button to manually accept & showing 'doneE' to confirm the Auto Calibration.
11. To calibrate additional point(s), repeat steps 5-10 using other pH Buffers.
12. To abort pH calibration, press  button to escape.

Note: Auto USA buffers are 7.0 pH, 4.0 pH & 10.0 pH; Auto NIST buffers are 6.9 pH, 4.0 pH & 9.2 pH.

Setup Menu (To change setting):

1. Press  button to enter the Setup Menu and 'bUFF' will appear.
2. Press  button and 'bUFF USA' will appear for selection.
3. Press  button to toggle between 'bUFF nISt' & 'bUFF USA' for selection.
4. Press  button to accept & display showing 'donE' to confirm the new selection & return to 'bUFF'.
5. Press  button to toggle from 'bUFF' to 'r.SET'.
6. Press  button and 'r.SET nO' will appear for selection.
7. Press  button to toggle between 'r.SET nO' & 'r.SET YES' for selection.
8. Press  button to accept & display showing 'donE' to confirm the new selection & return to 'r.SET'.
9. Press  button to toggle from 'r.SET' to 'dEg'.
10. Press  button and 'dEg C' will appear for selection.
11. Press  button to toggle between 'dEg C' & 'dEg F' for selection.
12. Press  button to confirm accept & display showing 'donE' to confirm the new selection & return to 'dEg'.
13. Press  button to toggle from 'dEg' to 't.CAL'.
14. Press  button and e.g. '25.0' (default ATC) will appear on 1st Line & flashing '25.0°C' (Cal. ATC) will appear on 2nd Line.
15. Press  button to decrease value to the set ATC reading (+/- 5.0°C/9.0°F of default ATC).
16. Press  button to accept & display showing 'donE' to confirm the new calibrated ATC reading & return to 't.CAL'.
17. Press  button to toggle from 't.CAL' back to 'bUFF' again. The Setup Menu cycle will repeat.
18. To exit from Setup Menu back to Measurement Mode, press  button to escape.

Error Messages:

1. '[]' – Weak batteries & need replacement soon.
2. 'bAt Lo' (Low Battery supply) – Tester automatically shuts off without going to Measurement Mode & batteries need immediate replacement.
3. 'StBL Err' (Stabilizing Error) – Manual confirm of calibration when reading still stabilizing.
4. 'bUFF Err' (Buffer Error) – Buffer standard out of calibration window.
5. 'SLPE Err' (Slope Error) – 2nd or 3rd Point calibration where slope is out of the 80% to 120% window.
6. 'Or' (Over Range) – The pH & ATC temperature reading is above the measuring range of tester.
7. 'Ur' (Under Range) – The pH & ATC temperature reading is below the measuring range of tester.