

OAKTON® Waterproof pHTestr BNC Instructions

Connecting your electrode:

To connect the tester to your electrode, align the posts of the tester's BNC connector with the slots on the electrode connector. Push together and twist the electrode connector 1/2 turn until it clicks into place.

Calibration:

Calibration should be done regularly, typically every day that the tester is used. You can calibrate at up to three points. Choose buffer sets as described above right.

1. Press ON/OFF button to switch unit on.
2. Dip electrode 1/2" to 1" into buffer.
3. Press CAL button to enter Calibrate (CAL) mode. 'CAL' flashes on the display. Then, a pH value close to the pH buffer value will flash repeatedly.
4. After at least 3 minutes, **press the HOLD/CON button** to confirm calibration. The display will show 'CO' and then switch to the buffer value reading.
5. Repeat with other buffers if necessary. Rinse electrode in tap water before dipping into next buffer.

Calibration Troubleshooting:

Failure to press HOLD/CON to confirm calibration (step 4 above). Pressing the CAL button will resume measuring mode but will not enter the calibration value.

Insufficient sampling time. If the tester does not have a long enough exposure to the buffer, a stable calibration point will not be reached. Wait at least 3 minutes before pressing HOLD/CON.

Failure to re-hydrate the electrode.

A dry electrode will give fluctuating readings while it re-hydrates in a buffer, causing errors.

Buffer Set Selections:

To choose USA (4.01, 7.00, 10.01) or NIST (4.01, 6.86, 9.18) buffers

1. With tester off, hold HOLD/CON key while pressing ON/OFF key.
2. Press HOLD/CON key again.
3. Press CAL key to toggle between USA and NIST sets.
4. Press HOLD/CON to confirm.

pH Testing:

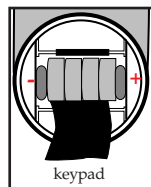
1. Remove cap or storage bottle from the electrode and press the ON/ OFF button to switch tester on.
2. Dip the electrode 1/2" to 1" into the test solution. Stir once and let the reading stabilize.
3. Note the pH or press HOLD/CON button to freeze the reading. Press HOLD/CON again to release the reading.
4. Press ON/OFF to turn off tester. If you do not press a button for 8.5 minutes the tester will automatically shut off to conserve batteries.

Instrument Maintenance:

- Rinse the electrode with tap water or electrode storage solution after each measurement.
- Periodic soaks in warm pH 4 buffer will help remove contaminants.
- When finished using electrode, fill electrode cap with tap water or electrode storage solution and replace cap.

Replacing the batteries

1. Open battery compartment lid (with attached lanyard loop).
2. Remove old batteries; replace with fresh ones. Note polarity (shown in battery compartment and in picture at right).
3. Recalibrate Testr after battery change.



Error Messages:

bAt Weak batteries—replace

Er1 Wrong or bad buffer value, or electrode is failing.

or, Ur Over range /under range signal, or electrode is not in contact with solution, or electrode is failing.

Specifications

Range	0.00 to 14.99 pH
Resolution	0.01 pH
Accuracy	±0.02 pH
Calibration	up to 3 points (pH 4.01; 7.00; 10.01 or 4.01; 6.86; 9.18)
Operating Temperature	0 to 50°C (32 to 122°F)
Functions	On/Off; HOLD; CA (Calibration); CO (Confirm display); auto buffer recognition; auto-shutoff after 8.5 min. of nonuse
Power	Four 1.5 V batteries (included). 250 hours continuous use
Dimensions	6.5"L x 1.5" dia. (165 x 38 mm dia.)
Weight	3.25 oz (90 gms)

Warranty:

The waterproof pHTestr BNC is warranted against defects in materials and workmanship for a period of 12 months from the date of purchase. If repair, adjustment or replacement is necessary and has not been the result of abuse or misuse within the 12 month period, please return the tester—freight pre-paid—and correction will be made without charge. Out of warranty products will be repaired on a charge basis.

Return of Items:

Authorization must be obtained from your OAKTON Distributor before returning items for any reason. When applying for authorization, please include information regarding the reason the item(s) are to be returned.

Note: We reserve the right to make improvements in design, construction and appearance of products without notice. Prices are subject to change without notice.