OAKTON® pHTestr 3 Instructions

Before you begin:

If necessary, remove plastic strips between batteries and contacts.

Remove electrode cap. To condition electrode, immerse electrode in electrode storage solution, buffer or tap water for at least 30 minutes before use. DO NOT use de-ionized water.

Calibration

Calibration should be done regularly, typically every day that the Testr is used. **Y**ou can calibrate at up to three points (pH 4, 7,and 10).

1. Switch unit on (ON / OFF button).
2. Dip electrode into chosen buffer (pH 4, 7, or 10). **DO NOT immerse above color band!**
3. Press CAL button to enter Calibrate mode. 'CA' flashes on the display. Then, a pH value close to the buffer value will flash.
4. After at least 30 seconds (about 30 flashes) **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. (pHTestr 2 only). 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. The testr needs at least 30 seconds sampling time to reach a stable calibration point. Wait at least 30 seconds before pressing HOLD / CON.

Failure to re-hydrate the electrode. A dry electrode will give fluctuating readings, causing errors.

pH Testing:

1. Remove cap from electrode. Switch unit on (ON / OFF button).
2. Dip the electrode into the test solution. Stir once and let the reading stabilize.

Caution: **Never immerse the electrode above color band! This will damage instrument electronics!**

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 Testr. If you do not press a button for 8.5 minutes the Testr will automatically shut off to conserve batteries.

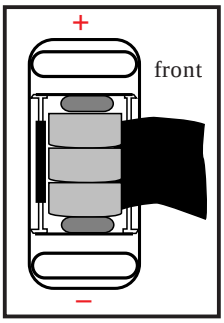
Instrument Maintenance:

- Rinse the electrode with tap water or electrode storage solution after each measurement.
- In aggressive chemicals, dirty or viscous solutions, and solutions with heavy metals or proteins, take readings quickly and rinse electrode immediately afterward.
- Periodic soaks in warm pH 4 buffer will help remove contaminants.
- If possible, keep a small piece of paper or sponge in the electrode cap—moistened with clean water or electrode storage solution (NOT de-ionized water)—and close the cap over the electrode.

NOTE: Testr life is dependent on meter and electrode care. If the electrode is exposed to materials that contaminate the reference junction, testr life will be shortened.

Replacing batteries:

1. Flip up battery compartment lid.
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:

ER1 Weak batteries—replace

ER2 Wrong or bad buffer value, or electrode is failing.

OR Over range signal, or electrode is not in contact with solution, or electrode is failing.

Specifications

	pHTestr 3
Range	0.0 to 14.99 pH
Resolution	0.01 pH
Accuracy	±0.02 pH at room temperature; ±0.05 pH at temperature extremes
Calibration	3 points (pH 4.0; 7.0; and / or 10.0)
ATC	Yes
Operating Temperature	0 to 50°C (32 to 122°F)
Functions	ON / OFF; HOLD; CA (Calibrate); CO (Confirm display); auto buffer recognition; auto-shutoff after 8.5 min. of nonuse
Power	Three 1.5 V batteries (included). 20 hours continuous use (approx. 600 tests per battery set)
Dimensions	5.9" x 1.7" x 1" (151 x 42 x 24 mm)
Weight	3.25 oz (90 gms)

Warranty:

The pHTestr 3 is warranted against defects in materials and workmanship for a period of 6 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 6 month period, please return the Testr—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.