

OAKTON® ORPTestr Instructions

ORPTestr 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 or tap water for at least 30 minutes before use. DO NOT use de-ionized water.

Calibration:

Calibration is not necessary unless exact readout agreement with a work standard and at a specific ORP value is needed. To achieve this, use the following procedure:

1. Switch unit on (ON/OFF button).
2. Select a known solution sample from the actual process as near the critical ORP value as possible.
3. Dip the conditioned electrode into this solution for 2 to 5 minutes until the readings stabilize. **DO NOT immerse Testr above color band!**
4. Press CAL/CON button to enter Calibrate mode. 'CA' flashes on the display. Then, an ORP value close to the test solution value will flash.
5. Wait at least 30 seconds (about 30 flashes) for the reading to stabilize. **Press the HOLD/INC button** repeatedly to adjust reading to match value of the known solution sample.
6. Press CAL/CON button to confirm offset adjustment. The display will show 'CO' and then switch to an offset ORP reading.
7. Rinse electrode in tap water before measuring other solutions.

NOTE: This offset adjustment defaults to factory calibration when batteries are removed/replaced.

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 for 2 to 5 minutes.
- Caution: Never immerse the electrode above color band! This will damage instrument electronics!**
3. Note the ORP 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.

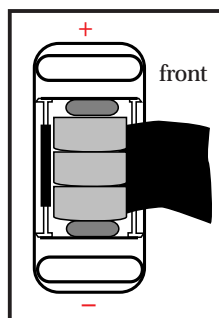
Instrument Maintenance:

- 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.
- 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.

Changing 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:

ERI Weak batteries—replace

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

Specifications

	ORPTestr
Range	-50 to +1050 mV
Resolution	5 mV
Accuracy	±5 mV
Calibration	offset adjustment up to ±150 mV
ATC	No
Operating Temperature	0 to 50°C (32 to 122°F)
Functions	ON/OFF; HOLD; CA (Calibrate); CO (Confirm display); auto-shutoff after 8.5 min. of nonuse
Power	Three 1.5 V batteries (included). 55 hours continuous use (approx. 1650 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 ORPTestr 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.