OAKTON® Waterproof ORPTestr Double Junction Instructions

Before you Begin:

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, the factory default calibration 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.

ORP Testing:

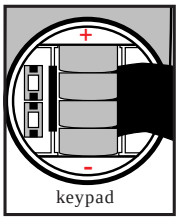
1. Remove cap from the electrode and press the ON / OFF button to switch Testr on.
2. Dip the electrode 1 / 2" to 1" into the test solution. Stir once and let the reading stabilize for 2 to 5 minutes.
3. Note the ORP or press HOLD / CON button to freeze the reading. Press HOLD / CON again to release 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.

Replacing 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

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

Specifications

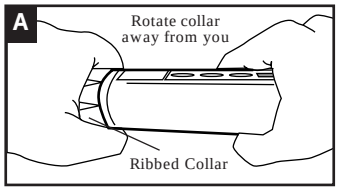
	WP ORPTestr DJ
Range	–99 to +1000 mV
Resolution	1 mV
Accuracy	±2 mV
Calibration	offset adjustment up to ±150 mV
ATC	No
Operating Temperature	0 to 50°C (32 to 122°F)
Functions	ON / OFF; HOLD; CA (Calibrate); CO (Confirm display); auto-shutoff after 8.5 min. of nonuse
Power	Four 1.5 V batteries (included). 250 hours continuous use
Dimensions	6.5"L x 1.5" dia. (165 x 38 mm dia.)
Weight	3.25 oz (90 gms)

Electrode replacement

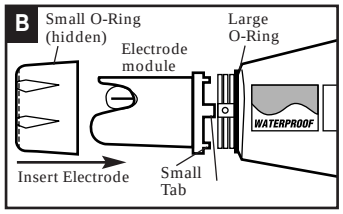
When you need a new electrode, see **"Electrode Replacement"** on insert in back of box.

You can replace the electrode module at the fraction of the cost of a new Testr. When the Testr fails to calibrate, gives fluctuating readings in standards, cannot be calibrated to your standards, gives "Ur" or "Or" indicator in solution known to be in range, and the procedures in the Maintenance section do not help, you need to change the electrode.

1. With dry hands, grip the ribbed Testr collar with electrode facing you. Twist the collar counter clockwise. *(see diagram A).* Save the ribbed Testr collar and O-ring for later use.



2. Pull the old electrode module away from the Testr.
3. Align the four tabs on the new module so they match the four slots on the testr. *(see diagram B).*



4. Gently push the module onto the slots to seat it in position. Push the smaller O-ring fully onto the new electrode module. Push the collar over the module and thread it into place by firmly twisting clockwise.

Warranty:

The waterproof ORPTestr meter body is warranted against defects in materials and workmanship for a period of 12 months from the date of purchase; the electrode module is warrantied 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.