OAKTON® Waterproof TDSTestrs 1-4 Instructions

Before you Begin:

Remove electrode cap. Switch unit on for 15 minutes to stabilize the batteries. Soak electrodes for a few minutes in alcohol to remove oils.

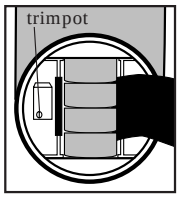
Calibration:

Select a calibration standard appropriate for your waterproof TDSTestr:

TDSTestr 1: between 300 ppm and 1990 ppm
TDSTestr 2: between 3 ppt and 10.00 ppt
TDSTestr 3: between 300 µS and 1990 µS
TDSTestr 4: between 3 mS and 19.90 mS

It is best to select a standard close to the test solution value, and one that has a similar chemical make-up to the test solution.

1. Pour calibration standard into two separate containers and tap or deionized water into a third.
2. Rinse electrode in the deionized water, then rinse it in first container of standard, then dip it into the second container of standard.
3. Switch unit on (ON / OFF button). Wait several minutes to allow display to stabilize.
4. Using a small screwdriver, adjust the trimpot (located inside the Testr's battery compartment) until the display reads the same value as the standard.



5. Rinse the electrode in the tap or deionized water and proceed with testing.

TDS 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.
3. Allow time for the Automatic Temperature Compensation to correct the readings for solution temperature changes.
4. Note the reading once the display is stable. If the solution is above the range of the TDSTestr, the display will show



5. Press ON / OFF to turn off Testr. Replace cap.

Instrument Maintenance:

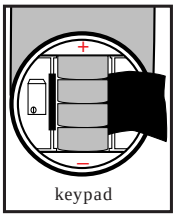
- To improve performance, clean the stainless steel electrodes by periodically rinsing them in alcohol for 10-15 minutes.
- Replace all 4 batteries if the display becomes faint or disappears, or if the readings are unstable or constant.
- If drift is detected while electrodes are continuously exposed to solution for longer than one hour, allow electrode to fully dry off periodically.

NOTE: Testr life is dependent on meter and electrode care. If the electrode is exposed to damaging materials, electrode life will be shortened.

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

Changing 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.

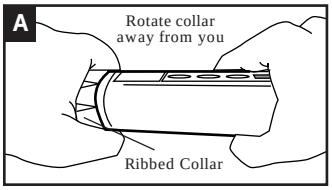
Specifications

TDSTestr	1	2	3	4
Range	0 to 1990 ppm	0 to 10.00 ppt	0 to 1990 µS	0 to 19.90 mS
Resolution	10 ppm	0.10 ppt	10 µS	0.10 mS
Accuracy	±2% full scale			
Calibration	1-point calibration with trimpot			
Calibration Standard	300 to 1990 ppm	3 to 10.00 ppt	300 to 1990 µS	3 to 19.90 mS
Operating Temperature	32 to 122ºF / 0 to 50ºC			
ATC	32 to 122°F / 0 to 50°C (1.11% per °F / 2% per °C)			
Power	Four 1.5V alkaline batteries (Eveready A76BP; supplied) 100 hrs. continuous use Alternate replacement Model Eveready 303 silver oxide, 70 hrs. continuous use.			
Dimensions	6.5" L x 1.5" Dia. (165 x 38 mm)			
Weight	3.25 oz (90 gms)			

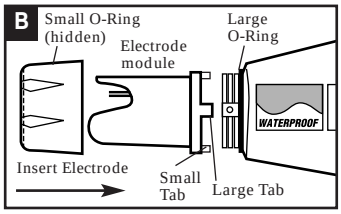
Electrode replacement:

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 buffers, shows error messages 'E2' or 'OR' in a buffer, 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 TDSTestr 1-4 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 time 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.