OAKTON® TDSTestr 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.
Caution: Never immerse the electrode above color band! This will damage instrument electronics!

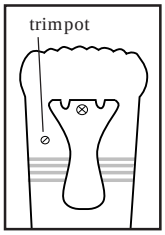
Calibration:

Select a calibration standard appropriate for your 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 300 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. **DO NOT immerse electrode above color band!**
3. Switch unit on (ON / OFF button). Wait several minutes to allow display to stabilize.
4. Using a small screwdriver, adjust the trimpot located on the back of the Testr 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. **DO NOT immerse electrode above color band!**
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.
5. Press ON / OFF to turn off Testr. Replace cap.

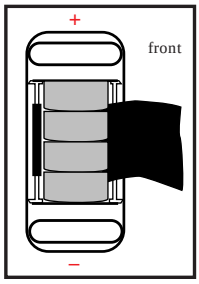
Instrument Maintenance:

- 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.

Replacing batteries:

1. Flip up battery compartment lid.
2. Remove old batteries; replace with fresh ones. Note polarity(shown in battery compartment and in pictureat 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	Three 1.5 V alkaline batteries (Eveready A76BP; supplied) 100 hrs. continuous use Alternate replacement Model Eveready 303 silver oxide, 70 hrs. continuous use.			
Dimensions	5.9" x 1.7" x 1" (151 x 42 x 24 mm)			
Weight	3.25 oz (90 gms)			

Warranty:

The TDSTestrs 1-4 are 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.