OAKTON® TDSTestr 10-20 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:

Your testr features push- button calibration at two points (one per range). Select a calibration standard appropriate for each range:

TDSTestr 10:
low range: between 100-999 ppm
high range: between 2.00-9.99 ppt
TDSTestr 20:
low range: between 150 to 1999 µS high range: between 2.0 to 19.99 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. Rinse the electrode in tap or deionized water, then in a known calibration standard.
2. Switch unit on (ON / OFF button).
3. Dip electrode into calibration standard. **DO NOT immerse above color band!**
4. Press CAL / CON button to enter Calibrate mode. 'CA' flashes on the display. An uncalibrated conductivity value close to the calibration standard 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 calibration standard.
6. Press CAL / CON button to confirm calibration. The display will show 'CO' and then switch to a calibrated conductivity reading.
7. For second range, repeat steps 1-6.

TDS Testing:

1. Remove cap from electrode. Switch unit on (ON / OFF button).
2. Rinse the electrode in tap or deionized water, then in a small portion of test solution.
3. Dip the electrode into the test solution. Stir once and let the reading stabilize. **DO NOT immerse electrode above color band!**
4. Allow time for the Automatic Temperature Compensation to correct the readings for solution temperature changes.
5. Note the reading once the display is stable. Press HOLD / CON button to freeze the reading. Press HOLD / CON again to release the reading.
6. 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.

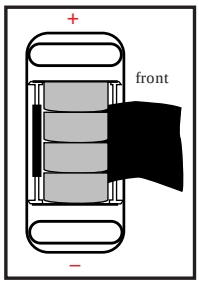
Instrument Maintenance:

- To improve performance, clean the stainless steel electrodes by periodically rinsing them in alcohol for 10-15 minutes.
- Replace all 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 picture at right).



3. Recalibrate Testr after battery change.

Error Messages:

ER1 Weak batteries—replace

ER2 Wrong / bad calibration standard value, or electrode is failing.

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

Specifications

TDSTestr	10	20
Range	0 to 999 ppm / 1.00 to 9.99 ppt	0 to 1999 µS / 2.0 to 19.99 mS
Resolution	1 ppm / 0.01 ppt	1 µS / 0.01 mS
Accuracy	±2% full scale	
Calibration	two-point push button slope adjustments (one in each range)	
Calibration Standard	100 to 999 ppm 2.00 to 9.99 ppt	150 to 1999 µS/ 2.0 to 19.99 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 1.5 V alkaline batteries (Eveready A76BP; supplied) 20 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 TDSTestr 10 and 20 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.