





## Operating Instructions EcoTestr TDS Low Waterproof Pocket Tester







**Before First Use:** Soak sensor for 2 minutes in alcohol to remove stains/oils. Rinse in clean water.

### Testing:






1. Remove cap and press  to turn on the tester
2. Dip sensor fully into the test solution
3. Stir once and let the reading stabilize. Note the measured value
4. To hold reading, press . Screen flashes **HO** once, then displays measurement with blinking unit (ppm) to indicate that tester is in the hold mode. Press  again to cancel hold mode (**HC**)
5. Press  to shut the tester off

**Note:** Tester automatically shuts off after 8.5 minutes of non-use to conserve batteries.

**TDS Factor Setting:** The EcoTestr TDS Low has a default factor setting of 0.71. If this is suitable for your application, please skip this section and proceed on to calibrate.

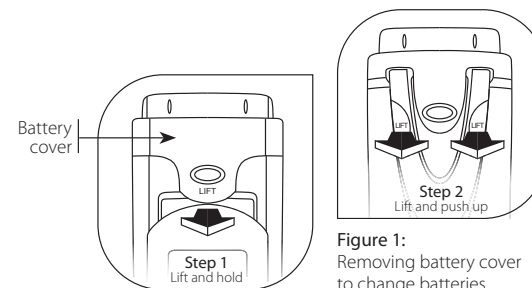
1. Press  to turn off the tester
2. Press and hold , then press  to turn the tester on. The display shows **tdS**
3. Press  to scroll to TDS factor value
4. Release  and wait for the auto confirmation
5. To abort TDS factor setting, press  to escape (**ESC**)

**Calibration:** The tester is factory calibrated. However, to ensure accuracy, regular calibration is recommended.

1. Soak sensor for 10 minutes in alcohol to remove stains/oils. Rinse in clean water and blot sensor dry
2. Press  to turn on the tester
3. Dip sensor fully into standard solution and wait for the value to stabilize
4. Press  to enter the calibration sequence. Display flashes **CAL** momentarily and then shows a flashing default reading
5. Press  to scroll to the standard solution value
6. Release  and wait for the auto confirmation
7. To abort calibration, press  to escape (**ESC**)
8. You have successfully calibrated the instrument

**Maintenance:** Clean the stainless steel sensor by periodically rinsing them in alcohol for 10 - 15 minutes. Rinse sensor in clean water after each use.

**Useful Notes:** To avoid cross contamination, rinse between samples and calibration standards with de-ionized water.



**Figure 1:**  
Removing battery cover  
to change batteries






### Changing Batteries:

1. To remove batteries, lift up the front battery cover to release the front catch. Push up and hold in that position
2. Next, lift the pocket clip to release the back catch and slide upwards to remove the battery cover (Figure 1)
3. Replace old batteries with fresh ones. Note polarity as shown in battery compartment
4. No re-calibration is required after battery change. The tester's non-volatile memory function retains calibration settings

### Error Messages:

1. **bAt** – Batteries are weak and need replacement
2. **Er** – Calibration is performed in solution value below 5 % of full-scale range.  
Use higher value calibration standard  
– Faulty temperature sensor
3. **Or** – Over range signal for measurements performed above the full-scale range

**Reset Option:** Reset option allows you to restore the calibration back to factory default settings.

1. Press  to turn off tester
2. Press and hold , then press  to turn the tester on. The display shows a flashing **rSt** (reset)
3. Press  again to confirm reset (**Ent**) or press  to escape (**ESC**) reset option

**Warranty:** This tester is supplied with a warranty against manufacturing defects for a period of ONE year from date of purchase.

### Accessories:

| Eutech Order Code | Oakton Order Code | Description                       |
|-------------------|-------------------|-----------------------------------|
| EC442300BT        | 00653-47          | 300 ppm 442 calibration solution  |
| EC4421000BT       | 00653-18          | 1000 ppm 442 calibration solution |