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eco Testr TDS HIGH

Operating Instructions

EcoTestr TDS High 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 (hold/ent). Screen flashes HO once, then displays measurement with blinking unit (ppt) to indicate that tester is in the hold mode. Press (hold/ent) 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 High 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 (cal), then press (⏻) to turn the tester on. The display shows tdS
3. Press (hold/ent) to scroll to TDS factor value
4. Release (hold/ent) and wait for the auto confirmation
5. To abort TDS factor setting, press (cal) 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 (cal) to enter the calibration sequence. Display flashes CAL momentarily and then shows a flashing default reading
5. Press (hold/ent) to scroll to the standard solution value
6. Release (hold/ent) and wait for the auto confirmation
7. To abort calibration, press (cal) 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.

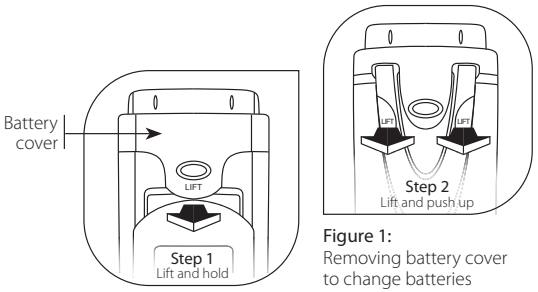

Figure 1:
Removing battery cover to change batteries

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 (hold/ent), then press (⏻) to turn the tester on. The display shows a flashing rSt (reset)
3. Press (hold/ent) again to confirm reset (Ent) or press (cal) 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
EC4423000BT	–	3.00 ppt 442 calibration solution