

eco
Testr **TDS LOW**

Batteries
included



Specifications	
Range	.. to 1990 ppm
Resolution	10 ppm
Accuracy	±1 % full scale
No. Of Cal Points	1 point; calibration standard sold separately
Calibration Method	Digital, push button
TDS Factor	0.40 to 1.0 (factory set to 0.71)
Automatic Temperature Compensation	Yes
Non-Volatile Memory	Yes
Hold Function	Yes
Auto-Off	8.5 mins after last key press
LCD Display	3½ digit single line
Power	(4) A76 / LR44 batteries included
Operating Temp.	0 to 50 °C
Ingress Protection	IP67 rating ; waterproof
Dimension (LxWxH)/Weight	Tester: 16.3 x 4.5 x 3 cm ; 90 g Packed : 24.5 x 13.5 x 4.5 cm ; 137 g

Applications

- Hydroponics • Agriculture • Aquaculture & Aquariums
- Environmental Monitoring • Water & Wastewater Treatment
- Cooling Towers • Electroplating Rinse Tanks • Drinking Water • Detergent • Printing
- Photo-Development and more!

◀ Please refer to inside for operating instructions

Eutech Instruments
www.eutechinst.com

Oakton Instruments
www.4oakton.com

Part of Thermo Fisher Scientific



1 Year Warranty
Made in Singapore



35462-10



Pocket clip >



< Transparent cap for samples and storage

eco
Testr **TDS LOW**

Total
Dissolved Solids
.. to 1990 ppm

Solutions For Water Analysis



Water Treatment



Hydroponics



Environmental In-Situ Testing

- All Push-Button Operation
- Easy To Use
- Auto Calibration
- Automatic Temperature Compensation
- Waterproof



68X461005 08/10 Rev. A

EUTECH
INSTRUMENTS





OAKTON®

Operating Instructions EcoTestr TDS Low Waterproof Pocket Tester

Conditioning Before First Use:







1. Remove the transparent cap and add 20 mm of tap water or calibration standard (approximately ½ full)
2. Recap the EcoTestr and soak* for at least 15 minutes
3. Rinse the cap after use
4. The sensor is now activated and ready for use

Measurement:







1. Remove cap and press  to turn on the tester
2. Dip sensor 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 EcoTestr is factory calibrated. However, to ensure accuracy, calibration is recommended. **Note:** Calibration standard sold separately.

1. If the sensor was stored dry, follow “Conditioning Before First Use” steps for best results
2. Press  to turn on the tester
3. Dip sensor into calibration standard solution and wait for the value to stabilize
4. Press  to begin the calibration. Display shows **CAL** momentarily and blinks the default reading
5. Press  until the blinking value matches the value of your calibration standard at 25 °C. Note: to set a calibration standard value that is lower than the blinking value, continue to press  past the maximum value to continue with the lowest adjustable value
6. Release  to accept the calibration value. After a few seconds, (**Ent**) is shown and measurement is resumed
7. To abort calibration, press  to escape (**ESC**)

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

Useful Notes: To avoid cross contamination, rinse between samples and calibration standards with clean water.

* The tester cap is not leak-proof. Please keep tester upright during soaking.

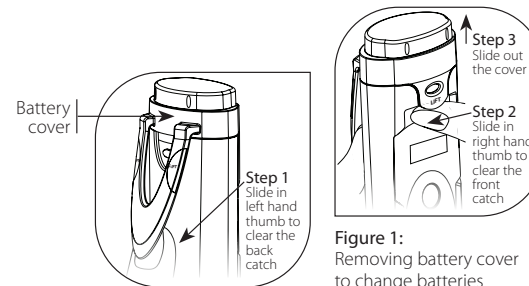


Figure 1:
Removing battery cover to change batteries

Changing Batteries:






1. To remove batteries, hold the tester on the left hand with the left thumb slide under the back clip of the cover. This will release the back catch
2. Next, hold the cover with your right hand, at the same time release the front catch with your right thumb. Slide up 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

Your EcoTestr includes (4) pre-installed 1.5V alkaline batteries. LR44 or A76 battery types are suitable and commonly available. Replace all (4) batteries together. Waiting too long to replace the batteries can lead to inaccurate readings and is the most common cause of problems.

Error Messages:

1. **bAt** – Batteries are weak and need replacement
2. **Er** – Calibration was attempted with a value that is <5 % of the full-scale range; use a calibration standard with a higher value
– Use fresh calibration standard
– Sensor is dirty or has not been soaked
3. **Or** – Over Range. The measurement is above the range of the instrument (including temperature measurement)

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 instrument is supplied with a warranty against manufacturing defects for a period of one year from date of purchase.

Tester & Accessories Ordering Information:

Eutech Order Code	Oakton Order Code	Description
ECOTDSTESTLOW	35462-10	EcoTestr TDS Low
ECPOUCH01	35624-45	Soft carrying case with belt-loop
EC442300BT	00653-47	300 ppm 442 calibration solution
EC4421000BT	00653-18	1000 ppm 442 calibration solution