Open this leaflet for calibration/testing/maintenance instructions.

Changing Batteries

1. Open battery compartment lid (with attached lanyard loop).
2. Remove old batteries; replace with fresh ones. Note polarity as shown in battery compartment. See Diagram 1.
3. Recalibrate after battery change.

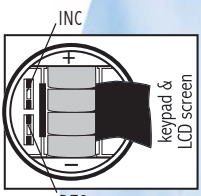

Diagram 1

Warranty

Eutech Instruments warrants its meter free from manufacturing defects for 2 years and electrode module for 6 months. If repair, adjustment or replacement is necessary and has not been the result of abuse or misuse within the time period, please return the tester – freight prepaid – 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 Eutech's 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.

Waterproof ECScan High

- *Waterproof & Floats*
- *Replaceable Electrode*
- *Auto-off*
- *Automatic Temperature Compensation (ATC)*

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Waterproof ECScan High Instructions

Before You Begin

Remove electrode cap. Soak electrode for a few minutes in alcohol to remove oils.

Calibration

Tester is factory calibrated. However, to ensure accuracy, calibrate conductivity on a regular basis. Select a calibration standard appropriate for the ECScan High tester **(between 2.00 mS and 19.90 mS)**. It is best to select a standard close to the test solution value.

1. Open battery compartment lid (end with lanyard loop).
2. Orientate the battery compartment as shown in Diagram 1.
3. Rinse electrode in deionized water, then rinse it in calibration standard, then dip it into a container of calibration standard.
4. Switch unit on (ON/OFF key). Wait several minutes for display to stabilize.
5. Press the INC or DEC key to adjust reading to match the calibration standard value.
6. After 3 seconds without a key press, the display flashes 3 times, then shows 'ENT'. The tester accepts calibration value; returns to measurement mode.
7. Replace battery cap.

Conductivity Testing

1. Remove electrode cap. Switch unit on (ON/OFF key).
2. Dip electrode into test solution. Make sure sensor is fully covered.
3. Wait for reading to stabilize (Automatic Temperature Compensation corrects for temperature changes). Note reading.
4. Press ON/OFF to turn off tester. Replace electrode cap. Note: Tester automatically shuts off after 8.5 minutes of non-use.

HOLD Function

Press HOLD key to freeze display. Press HOLD again to release.

Tester Maintenance

- To improve performance, clean the electrode by rinsing them in alcohol for 10 to 15 minutes.
- Replace all batteries if low battery indicator appears, or if readings are faint or unstable.
- If you experience drift, periodically let electrode fully dry.

When you need a new electrode, see **"Electrode Replacement"** on insert in back of box.

Self-Diagnostic Messages

bAt Weak batteries–replace with fresh ones specified by manufacturer.

Err Wrong keypress.

Or, Ur Over range/Under range signal, or electrode is not in contact with solution, or electrode is failing.

---- Calibration mode activated but not performed.

Open this leaflet for calibration/testing/maintenance instructions.

Changing Batteries

1. Open battery compartment lid (with attached lanyard loop).
2. Remove old batteries; replace with fresh ones. Note polarity as shown in battery compartment. See Diagram 1.
3. Recalibrate after battery change.

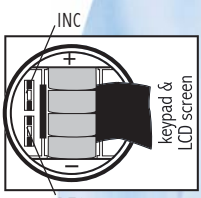

Diagram 1

Warranty

Eutech Instruments warrants its meter free from manufacturing defects for 2 years and electrode module for 6 months. If repair, adjustment or replacement is necessary and has not been the result of abuse or misuse within the time period, please return the tester – freight prepaid – and correction will be made without charge. Out of warranty products will be repaired on a charge basis.

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Waterproof ECScan Low

- *Waterproof & Floats*
- *Replaceable Electrode*
- *Auto-off*
- *Automatic Temperature Compensation (ATC)*

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EUTECH
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Waterproof ECScan Low Instructions

Before You Begin

Remove electrode cap. Soak electrode for a few minutes in alcohol to remove oils.

Calibration

Tester is factory calibrated. However, to ensure accuracy, calibrate conductivity on a regular basis.

Select a calibration standard appropriate for the ECScan Low tester **(between 200 µS and 1990 µS)**. It is best to select a standard close to the test solution value.

1. Open battery compartment lid (end with lanyard loop).
2. Orientate the battery compartment as shown in Diagram 1.
3. Rinse electrode in deionized water, then rinse it in calibration standard, then dip it into a container of calibration standard.
4. Switch unit on (ON/OFF key). Wait several minutes for display to stabilize.
5. Press the INC or DEC key to adjust reading to match the calibration standard value.
6. After 3 seconds without a key press, the display flashes 3 times, then shows 'ENT'. The tester accepts calibration value; returns to measurement mode.
7. Replace battery cap.

Conductivity Testing

1. Remove electrode cap. Switch unit on (ON/OFF key).
2. Dip electrode into test solution. Make sure sensor is fully covered.
3. Wait for reading to stabilize (Automatic Temperature Compensation corrects for temperature changes). Note reading.
4. Press ON/OFF to turn off tester. Replace electrode cap. Note: Tester automatically shuts off after 8.5 minutes of non-use.

HOLD Function

Press HOLD key to freeze display. Press HOLD again to release.

Tester Maintenance

- To improve performance, clean the electrode by rinsing them in alcohol for 10 to 15 minutes.
- Replace all batteries if low battery indicator appears, or if readings are faint or unstable.
- If you experience drift, periodically let electrode fully dry.

When you need a new electrode, see **"Electrode Replacement"** on insert in back of box.

Self-Diagnostic Messages

bAt Weak batteries—replace with fresh ones specified by manufacturer.

Err Wrong keypress.

Or, Ur Over range/Under range signal, or electrode is not in contact with solution, or electrode is failing.

---- Calibration mode activated but not performed.

Open this leaflet for calibration/testing/maintenance instructions.

Changing Batteries

1. Open battery compartment lid (with attached lanyard loop).
2. Remove old batteries; replace with fresh ones. Note polarity as shown in battery compartment. See Diagram 1.
3. Recalibrate after battery change.

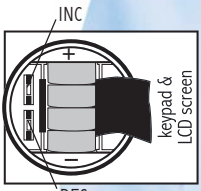

Diagram 1

Tester Maintenance

- To improve performance, clean the electrode by rinsing them in alcohol for 10 to 15 minutes.
- Replace all batteries if low battery indicator appears, or if readings are faint or unstable.
- If you experience drift, periodically let electrode fully dry.

When you need a new electrode, see **"Electrode Replacement"** on insert in back of box.

Warranty

Eutech Instruments warrants its meter free from manufacturing defects for 2 years and electrode module for 6 months. If repair, adjustment or replacement is necessary and has not been the result of abuse or misuse within the time period, please return the tester – freight prepaid – and correction will be made without charge. Out of warranty products will be repaired on a charge basis.

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Waterproof TDScan High

- *Waterproof & Floats*
- *Replaceable Electrode*
- *Auto-off*
- *Adjustable TDS Factor*
- *Automatic Temperature Compensation (ATC)*

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EUTECH INSTRUMENTS

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WP TDScan High Instructions

Before You Begin

Remove electrode cap. Soak electrode for a few minutes in alcohol to remove oils.

Calibration

Tester is factory calibrated. However, to ensure accuracy, calibrate TDS on a regular basis. Select a calibration standard appropriate for the TDScan High tester **(between 2.00 ppt and 10.00 ppt)**. It is best to select a standard close to the test solution value.

1. Open battery compartment lid (end with lanyard loop).
2. Orientate the battery compartment as shown in Diagram 1.
3. Rinse electrode in deionized water, then rinse it in calibration standard, then dip it into a container of calibration standard.
4. Switch unit on (ON/OFF key). Wait several minutes for display to stabilize.
5. Press the INC or DEC keys to adjust reading to match the calibration standard value.
6. After 3 seconds without a key press, the display flashes 3 times, then shows 'ENT'. The tester accepts calibration value; returns to measurement mode.
7. Replace battery cap.

TDS Testing

1. Remove electrode cap. Switch unit on (ON/OFF key).
2. Dip electrode into test solution. Make sure sensor is fully covered.
3. Wait for reading to stabilize (Automatic Temperature Compensation corrects for temperature changes). Note reading.
4. Press ON/OFF to turn off tester. Replace electrode cap. Note: Tester automatically shuts off after 8.5 minutes of non-use.

HOLD Function

Press HOLD key to freeze display. Press HOLD again to release.

Setting TDS Factor

This tester lets you select a TDS factor of 0.4 to 1.0.

1. Open battery compartment. With meter on, press the HOLD key, then press the INC key See Diagram 1.
2. Press the INC or DEC key to adjust the TDS factor.
3. After 3 seconds without a key press, the display flashes 3 times, then shows 'ENT'. Tester accepts TDS factor and returns to measurement mode.
4. Replace battery cap.

Self-Diagnostic Messages

bAt Weak batteries—replace with fresh ones specified by manufacturer.

Err Wrong keypress.

Or, Ur Over range/Under range signal, or electrode is not in contact with solution, or electrode is failing.

---- Calibration mode activated but not performed.

Open this leaflet for calibration/testing/maintenance instructions.

Changing Batteries

1. Open battery compartment lid (with attached lanyard loop).
2. Remove old batteries; replace with fresh ones. Note polarity as shown in battery compartment. See Diagram 1.
3. Recalibrate after battery change.

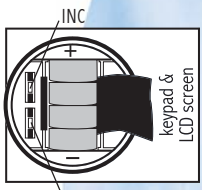

Diagram 1

Tester Maintenance

- To improve performance, clean the electrodes by rinsing them in alcohol for 10 to 15 minutes.
- Replace all batteries if low battery indicator appears, or if readings are faint or unstable.
- If you experience drift, periodically let electrode fully dry.

When you need a new electrode, see **"Electrode Replacement"** on insert in back of box.

Warranty

Eutech Instruments warrants its meter free from manufacturing defects for 2 years and electrode module for 6 months. If repair, adjustment or replacement is necessary and has not been the result of abuse or misuse within the time period, please return the tester – freight prepaid – and correction will be made without charge. Out of warranty products will be repaired on a charge basis.

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Waterproof TDScan Low

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- *Auto-off*
- *Adjustable TDS Factor*
- *Automatic Temperature Compensation (ATC)*

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EUTECH INSTRUMENTS
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WP TDScan Low Instructions

Before You Begin

Remove electrode cap. Soak electrode for a few minutes in alcohol to remove oils.

Calibration

Tester is factory calibrated. However, to ensure accuracy, calibrate TDS on a regular basis. Select a calibration standard appropriate for the TDScan Low tester **(between 200 ppm and 1990 ppm).** It is best to select a standard close to the test solution value.

1. Open battery compartment lid (end with lanyard loop).
2. Orientate the battery compartment as shown in Diagram 1.
3. Rinse electrode in deionized water, then rinse it in calibration standard, then dip it into a container of calibration standard.
4. Switch unit on (ON/OFF key). Wait several minutes for display to stabilize.
5. Press the INC or DEC keys to adjust reading to match the calibration standard value.
6. After 3 seconds without a key press, the display flashes 3 times, then shows 'ENT'. The tester accepts calibration value; returns to measurement mode.
7. Replace battery cap.

TDS Testing

1. Remove electrode cap. Switch unit on (ON/OFF key).
2. Dip electrode into test solution. Make sure sensor is fully covered.
3. Wait for reading to stabilize (Automatic Temperature Compensation corrects for temperature changes). Note reading.
4. Press ON/OFF to turn off tester. Replace electrode cap. Note: Tester automatically shuts off after 8.5 minutes of non-use.

HOLD Function

Press HOLD key to freeze display. Press HOLD again to release.

Setting TDS Factor

This tester lets you select a TDS factor of 0.4 to 1.0.

1. Open battery compartment. With meter on, press the HOLD key, the press the INC key See Diagram 1.
2. Press the INC or DEC key to adjust the TDS factor.
3. After 3 seconds without a key press, the display flashes 3 times, then shows 'ENT'. Tester accepts TDS factor and returns to measurement mode.
4. Replace battery cap.

Self-Diagnostic Messages

bAt Weak batteries—replace with fresh ones specified by manufacturer.

Err Wrong keypress.

Or, Ur Over range/Under range signal, or electrode is not in contact with solution, or electrode is failing.

---- Calibration mode activated but not performed.

- **Push-button calibration**
- **Fast, stable, repeatable readings**
- **Available through authorized distributors**

SPECIFICATIONS

Tester	TDScan Low	TDScan High	ECScan Low	ECScan High
Range	0 to 1990 ppm	0 to 10.00 ppt	0 to 1990 µS/cm	0 to 19.90 mS/cm
Resolution	10 ppm	0.10 ppt	10 µS/cm	0.10 mS/cm
Accuracy	±1% Full Scale			
TDS factor	0.4 to 1.0 selectable		-	
Calibration Standard Range	200 to 1990 ppm	2 .00 to 10.00 ppt	200 to 1990 µS/cm	2.00 to 19.90 mS/cm
Calibration	1 point (calibration range is ±30% of factory default parameter)			
ATC	0 to 50 °C			
Temp Coefficient	2% per °C			
Operating Temp	0 to 50 °C			
Power Battery	Four X 1.5V (Type: A76, LR 44 or V136A); > 140 hrs continuous use			
Dimension; Weight	Tester: 16.5 cm x 3.8 cm; 90 g Boxed: 22 cm x6 cm x 5 cm; 170 g			

Manufactured By:

Eutech Instruments Pte Ltd

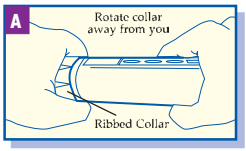
Blk 55, Ayer Rajah Crescent,
#04-14/24, Singapore 139949
Tel: (65)778 6876 Fax: (65)773 0836
E-Mail: marketing@eutechinst.com
Web-Site: http://www.eutechinst.com

Made in Singapore

68X247828 11/00 Rev 0

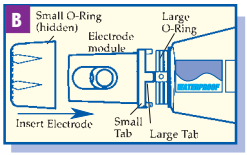
(Picture A)

REMOVE THE OLD ELECTRODE



(Picture B)

REPLACE THE ELECTRODE



Electrode Replacement

You can replace the electrode module at the fraction of the cost of a new tester. When the tester fails to calibrate or gives fluctuating readings in calibration standards, you need to change the electrode.

1. With dry hands, grip the ribbed tester collar with electrode facing you. Twist the collar counter clockwise (see picture A). Save the ribbed tester collar and O-ring for later use.
2. Pull the old electrode module away from the tester.
3. Align the four tabs on the new module so that they match the four slots on the tester (see picture B).
4. Gently push the module onto the slots to sit it in position. Push the smaller O-ring fully onto the new electrode module. Push the collar over the module and thread it into place by firmly twisting clockwise.

Applications

Water quality testing • water and Wastewater treatment • hydroponics • labs • boilers • factories • ecology studies • and more!