

Open this leaflet for calibration/testing/maintenance instructions.

Electrode Maintenance

- Rinse the electrode with tap water or electrode storage solution after each measurement.
- Periodic soaks in warm pH 4.01 buffer will help remove contaminants.
- If possible, keep a small piece of paper or sponge in the electrode cap – moistened with clean water or electrode storage solution (NOT deionized water) and close the cap over the electrode.

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

Changing Batteries

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

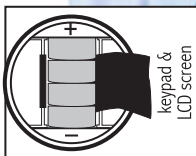


Diagram 1

Self-Diagnostic Messages

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

Er1 Wrong or bad buffer value, or electrode is not in contact with solution, or electrode is failing.

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

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.

YEARS WARRANTY
2

Waterproof pHScan 3



- **Waterproof & Floats**
- **Replaceable Double Junction Electrode**
- **NIST or USA Buffer Selection**

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WP pHScan 3 Instructions

Before You Begin

Remove electrode cap. To condition electrode, immerse electrode in electrode solution, buffer or tap water for at least 30 minutes. DO NOT use deionized water

Calibration

Calibration should be done regularly, typically everyday that the tester is used. You can calibrate at up to three points (pH 4.01, 7.00 and 10.01 or 4.01, 6.86 and 9.18).

1. Press ON/OFF button to switch unit on.
2. Dip electrode about 2 to 3 cm into pH buffer solution.
3. Press CAL button to enter Calibrate (CAL) mode. 'CAL' flashes on the display. Then, a pH value close to the pH buffer value will flash repeatedly.
To abort calibration, press CAL again to resume measuring mode.
4. After about 2 minutes when the reading has stabilized, press the HOLD/CON button to confirm calibration. The display will show 'CO' and then switch to the buffer value reading.
5. Repeat with other buffers if necessary. Rinse electrode in tap water before dipping into next buffer.

Insufficient sampling time. If the tester does not have a long enough exposure to the buffer, a stable calibration point will not be reached. Wait for about 2 minutes when the reading has stabilized, press the HOLD/CON.

Failure to re-hydrate the electrode. A dry electrode will give fluctuating readings while it re-hydrates in a buffer, causing error.

Buffer Set Selection

To choose USA (4.01, 7.00, 10.01) or NIST (4.01, 6.86, 9.18) buffers.

1. With tester off, hold HOLD/CON key while pressing and releasing ON/OFF key.
2. The display will show "bUF" flashing.
3. Press HOLD/CON key. The display will show either "USA" or "NST".
4. Press CAL key to toggle between USA and NIST buffer sets.
5. Press HOLD/CON key to confirm.

pH Testing

1. Remove cap from the electrode and press the ON/OFF button to switch tester on.
2. Dip the electrode about 2 to 3 cm into the test solution. Stir once and let the reading stabilize.
3. Note the pH or press HOLD/CON button to freeze the reading. Press HOLD/CON again to release the reading.
4. Press ON/OFF to turn off tester. If you do not press a button for 8.5 minutes the tester will automatically shut off to conserve batteries.

Reset To Factory Default

You can reset calibration data to factory default settings. This is extremely useful when you want to take a new set of pH measurements or when using a new replacement electrode.

1. With tester off, hold CAL key while pressing ON/OFF key.
2. The display will show "rSt" flashing.
3. Press HOLD/CON key to confirm. The display will flash "YES" for 2 seconds and the tester will go back to measurement mode.
4. To exit without confirmation, press CAL key. The display will flash "NO" for 2 seconds and the tester will go back to measurement mode.

Open this leaflet for calibration/testing/maintenance instructions.

Electrode Maintenance

- Rinse the electrode with tap water or electrode storage solution after each measurement.
- Periodic soaks in warm pH 4.01 buffer will help remove contaminants.
- If possible, keep a small piece of paper or sponge in the electrode cap – moistened with clean water or electrode storage solution (NOT deionized water) and close the cap over the electrode.

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

Changing Batteries

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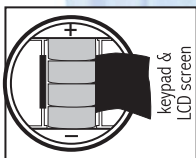


Diagram 1

Self-Diagnostic Messages

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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 pHScan 3+



- **Waterproof & Floats**
- **Replaceable Double Junction Electrode**
- **Temperature Display**
- **NIST or USA Buffer Selection**

**EUTECH
INSTRUMENTS**

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WP pHScan 3+ Instructions

Before You Begin

Remove electrode cap. To condition electrode, immerse electrode in electrode solution, buffer or tap water for at least 30 minutes. DO NOT use deionized water

Calibration

Calibration should be done regularly, typically everyday that the tester is used. You can calibrate at up to three points (pH 4.01, 7.00 and 10.01 or 4.01, 6.86 and 9.18).

1. Press ON/OFF button to switch unit on.
2. Dip electrode about 2 to 3 cm into pH buffer solution.
3. Press CAL button to enter Calibrate (CAL) mode. 'CAL' flashes on the display. Then, a pH value close to the pH buffer value will flash repeatedly.

To abort calibration, press CAL again to resume measuring mode.

4. After about 2 minutes when the reading has stabilized, press the HOLD/CON button to confirm calibration. The display will show 'CO' and then switch to the buffer value reading.
5. Repeat with other buffers if necessary. Rinse electrode in tap water before dipping into next buffer.

Insufficient sampling time. If the tester does not have a long enough exposure to the buffer, a stable calibration point will not be reached. Wait for about 2 minutes when the reading has stabilized, press the HOLD/CON.

Buffer Set Selection

To choose USA (4.01, 7.00, 10.01) or NIST (4.01, 6.86, 9.18) buffers.

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pH Testing

1. Remove cap from the electrode and press the ON/OFF button to switch tester on.
2. Dip the electrode about 2 to 3 cm into the test solution. Stir once and let the reading stabilize.
3. Note the pH or press HOLD/CON button to freeze the reading. Press HOLD/CON again to release the reading.
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Reset To Factory Default

You can reset calibration data to factory default settings. This is extremely useful if you want to take a new set of pH measurements or using a new replacement electrode.

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2. The display will show "rSt" flashing.
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4. To exit without confirmation, press CAL key. The display will flash "NO" for 2 seconds and the tester will go back to measurement mode.

Temperature Display

The feature is extremely useful for you to note the temperature of sample you are measuring.

1. With tester on, press HOLD/CON key. The display will show "HO" momentarily.
2. Press CAL key.
3. Temperature value is displayed in °C for 5 seconds.
4. The tester will automatically go back to pH measurement mode.

▶
Twist-off
Battery
Compartment



WATERPROOF
25.6 °C
+SERIES/ °C READOUT

▶ Temperature
Display

▶
Replaceable
Sensor



- All push-button calibration
- Displays measured units for clarity
- Fast, stable, repeatable readings
- Available through authorized distributors

SPECIFICATIONS

Tester	pHScan 3	pHScan 3+
pH Range	0.00 to 15.00 pH	
Resolution	0.01 pH	
Accuracy	±0.02 pH	
Calibration Buffer option	USA (pH 4.01, 7.00, 10.01) or NIST (pH 4.01, 6.86, 9.18)	
Calibration points	Up to 3 points (USA or NIST)	
Temperature Range	-	0.0 to 50.0 °C
Resolution	-	0.1 °C
Accuracy	-	±1.0 °C
ATC	32 to 122 °F / 0 to 50 °C	
Operating Temp	32 to 122 °F / 0 to 50 °C	
Special Functions	On/Off; HOLD; CA (Calibrate); CO (Confirm display); auto-buffer recognition; auto-shutoff after 8.5 min. non-use.	
Power Battery	Four X 1.5V (Type: A76, LR 44 or V136A); > 150 hrs continuous use	
Dimension; Weight	Tester: 16.5 cm x 3.8 cm; 90 g Boxed: 22 cm x 6 cm x 5 cm; 170g	

Manufactured By:

Eutech Instruments Pte Ltd

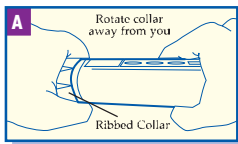
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Made in Singapore

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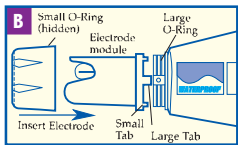
(Picture A)

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, gives fluctuating readings in buffers, shows error messages 'Er1', 'Or' or 'Ur' in a buffer, and the procedures in the Maintenance section do not help, 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 • Pools • Spas**
• Aquariums • Aquaculture • Hydroponics
• Ecology studies • Water and wastewater treatment • Boilers • Steam generators
• Car washes • Sanitation plants
• Labs • and more!