Attention:

Salt-crust forming on the pH probe tip is normal.

A small amount of saline solution from the storage cap may leak out leaving a salt-crust. This does not affect the probe and is normal.

Attention:

La formación de una costra de sal en la punta de la sonda de pH es normal.

Puede producirse una pérdida de una pequeña cantidad de solución salina del tapón del almacenamiento y producir una costra de sal. Esto no influye en el rendimiento de la sonda y es normal.

Attention:

La formation d'une croûte de sel à l'extrémité de la sonde de pH est normale.

Une petite quantité de solution saline provenant du capuchon de rangement peut s'échapper, laissant cette croûte de sel. Ce phénomène est normal et n'affecte pas la sonde.

Let op:

Een zoutkorst op de punt van de probe is normaal.

Er kan een kleine hoeveelheid zoutoplossing uit de dop lekken, waardoor er een zoutkorst ontstaat. Dit heeft geen effect op de probe en is normaal.

Achtung:

Wenn sich eine Salzkruste auf der pH-Sonde bildet, ist das ganz normal.

Es kann passieren, dass eine kleine Menge Salzlösung aus der Schutzkappe austritt und sich eine Salzkruste bildet. Dies hat keine negativen Auswirkungen auf die Sonde.

Warning:

The pH probe tip **must stay wet**

If it dries - it dies!

Advertencia:

La punta de la sonda de pH **debe estar húmeda**

Si se seca, ¡queda inutilizada!

Avertissement:

L'extrémité de la sonde de pH **doit rester humide**

Si elle sèche, elle meurt!

Waarschuwing:

De punt van de pH-probe **moet vochtig blijven**

Een droge punt is een dode punt!

Warnung:

Die Spitze der pH-Sonde **muss immer feucht sein**

Wenn sie austrocknet, geht sie kaputt.

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success by simplicity

Bluelab replacement pH probes

Care and use guide

Guía de uso y cuidados

Notice d'utilisation et d'entretien

Gebruikershandleiding

Benutzer- und Wartungshandbuch

www.getbluelab.com

English

To prolong the life of your pH probe (electrode), please read this care and use guide.

The pH probe tip must stay wet – if it dries, it dies!

- Place the storage cap back onto the probe tip after each use.
- Place a small amount of pH 4.0 solution or tap water (never distilled water) into the storage cap.
- If you misplace the storage cap, place it upright in a glass of water.

pH probes are fragile

- Do not exert a sideways force and do not knock the probe against anything.
- Avoid sudden temperature changes.
- Do not kink the lead or bend sharply.

It is safe for the pH probe to be submerged in fluid but do not submerge the BNC fitting

pH probes do not last forever

- They age through normal use and will eventually fail.
- The lifetime of a pH probe depends on the environment it is used in and the way that it is treated.
- This probe is suitable to use in solutions with temperatures between 0–60 °C / 32–140 °F only.
- Chemically aggressive, abrasive or oily samples will reduce the life of a pH probe.
- It is advised that pH probes are replaced on meters/monitors every 12 months, especially when measuring in hydroponic solutions.

pH probes require cleaning at least once a month and prior to calibrating

- Cleaning the glassware is critical to obtaining accurate measurements.

To clean

1. Rinse pH probe tip under fresh running water.
2. Fill a small container with clean water and add a small amount of Bluelab pH probe cleaner or mild detergent (dishwashing liquid).
3. Place the probe into the container and slowly stir it through the liquid. Do not 'knock' the probe on the side of the container as this may damage the probe. Rinse under fresh running water to remove all traces of detergent.
4. If the probe tip requires removal of heavy contamination (nutrient salt build-up or algae), gently brush around the glassware with a few drops of mild detergent (dishwashing liquid) and a soft toothbrush. Rinse under fresh running water to remove all traces of detergent.
5. Calibrate the meter by following the instructions on the back of your Bluelab Meter, or see instruction manual.

Bluelab replacement pH probe



Troubleshooting guide

Trouble	Reason	Correction
Drift - readings slowly varying	Glassware not clean	Clean glassware.
	Wick contaminated or blocked	Replace probe.
	Glassware aged	Replace probe.
Displays similar pH reading in all buffers no matter what the buffer value is	Glassware or stem cracked	Replace probe.
Unsuccessful calibration (Low slope <90%)	Buffers inaccurate	Replace buffers.
	Glassware not clean	Clean glassware.
	Glassware aged (glassware will not clean)	Replace probe.
	BNC fitting wet	Use cloth to dry (Note: terms of guarantee).
Noisy - readings jumping	Poor connection to meter	Check BNC fitting.
	Contact zone not immersed	Lower probe into solution at least 2cm/1”.
Displays pH 7 for all buffers	Electrical short	Check BNC fitting and cable for damage.
	BNC fitting wet	Dry BNC fitting with cloth.
	Broken glassware	Replace probe.
Incorrect sample reading following successful calibration	Ground loop (often occurs in process systems)	Verify by removing the sample from its environment and measuring in a glass beaker. May require electrical circuitry to be checked in system.
	Wick blocked	Replace probe.

Keep your probe tip wet
at all times to avoid permanent damage

La punta de la sonda debe estar húmeda
en todo momento para evitar daños permanentes

Gardez votre sonde humide
en permanence pour éviter des dégâts irrémédiables.

Zorg altijd dat de punt van
de probe vochtig is
om permanente schade te voorkomen

Halten Sie die Spitze der Sonde stets feucht,
um Beschädigungen zu vermeiden

Product Guarantee

Bluelab pH probe

Bluelab Corporation Limited guarantees this product for a period of 6 months from the date of sale to the original purchaser. The product will be repaired or replaced should it be found faulty due to component failure or faulty workmanship. The faulty product should be returned to the point of purchase.

The guarantee is null and void should any internal parts or fixed external parts be tampered with or altered in any way, or should the unit have been incorrectly operated, or in any way be maltreated. This guarantee does not cover reported faults which are shown to be caused by any or all of the following: Contaminated measuring tip, broken glassware, and broken stem, corroded or wet connectors, incorrect connection to a device or the electrode is not suitable for the application.

NO RESPONSIBILITY will be accepted by Bluelab or any of its agents or resellers should any damage or unfavourable conditions result from the use of this product, should it be faulty or incorrectly operated.

Please register your guarantee online at: www.getbluelab.com

Or fill out the form below and post, email or fax to:

Bluelab Corporation Limited
8 Whiore Avenue, Tauriko Industrial Park,
Tauranga 3110, New Zealand
Phone +64 7 578 0849
Fax: +64 7 578 0847
Email: support@getbluelab.com

Product details	
Product name	
Serial number	
Date purchased	
Purchaser details	
Purchaser's name	
Address	
City	
Country	
Email (optional)	
Purchased from (Dealers details)	
Purchased from	
Address	
City	
Country	
Phone number (optional)	

The instrument is only as accurate as the probe is clean!

Bluelab cleaning kits

Probe cleaning is one of the most important parts of owning and operating any Bluelab meter, monitor or controller. If the probe is contaminated (dirty) it affects the accuracy of the reading displayed.

The probe surface is where the instrument takes the reading of the solution. The information is sent back from the probe to the electronic brain of the instrument. A calculation is then done in the instrument's brain or micro computer and a reading is then displayed. If the information sent back from the probe is inaccurate due to probe surface contamination then the reading will be inaccurate. Cleaning the probes is a very easy task and will prolong the life of the probes.

The Bluelab cleaning kits have it all there for you:

pH Cleaning and Calibration Kit:

- Full colour instructions
- Calibration solutions
- Decanter vessels
- Bluelab probe cleaner
- Toothbrush



Conductivity Probe Cleaning Kit:

- Full colour instructions
- Conductivity standard solution
- Decanter vessel
- Bluelab Probe Cleaner
- Bluelab chamois (probe cleaning instrument)



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Bluelab replacement pH probes



guarantee.

The Bluelab product range all come with a free repair or replacement guarantee for your added benefit.

If you need assistance or advice - we're here to help you.
Phone: **+64 7 578 0849** Fax: **+64 7 578 0847**
Email: **support@getbluelab.com**

Looking for specifications or technical advice?
Visit us online @ **www.getbluelab.com**

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Limitation of Liability: Under no circumstances shall Bluelab Corporation Limited be liable for any claims, losses, costs and damages of any nature whatsoever (including any consequential loss) that result from the use of, or the inability to use, these instructions.

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