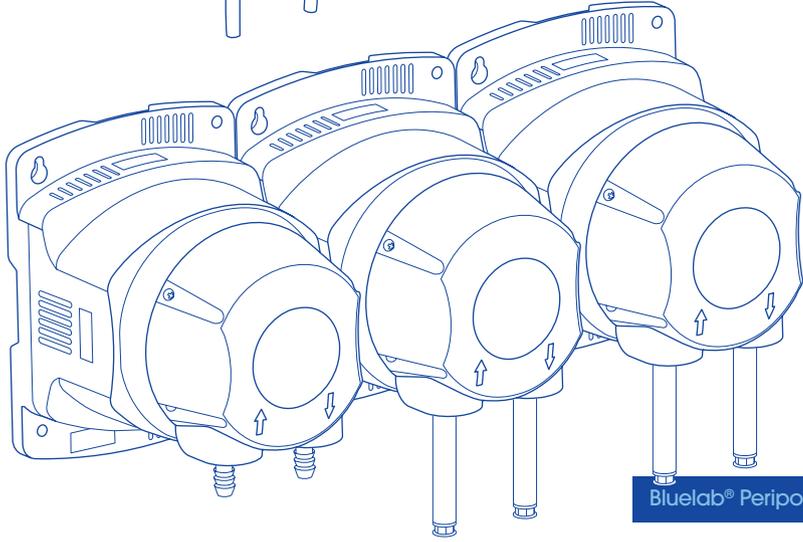


Bluelab® Peripod™ M



Bluelab® Peripod™ L

CE FC



6 months for
pumps and tubes

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1.0 Introduction & Overview

1.1 Features

| Bluelab® Peripod™ M3 | Bluelab® Peripod™ L3 |
|---|--|
| 1x 120ml/min peristaltic pump for dosing pH adjuster solutions. | 1x 1200ml/min peristaltic pump for dosing pH adjuster solutions. |
| 2x 120ml/min peristaltic pumps for dosing nutrient stock solutions. | 2x 1200ml/min peristaltic pumps for dosing nutrient stock solutions. |

Rugged wall mount design.

Individual pump calibration and pump priming.

4 metres / 13 feet of acid / alkaline resistant food grade tubing for dosing pH correction solution.

3x 4 metres / 13 feet of food grade tubing for dosing nutrient stock solution.

Replaceable peristaltic pumps and tubing.

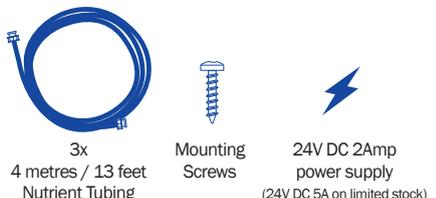
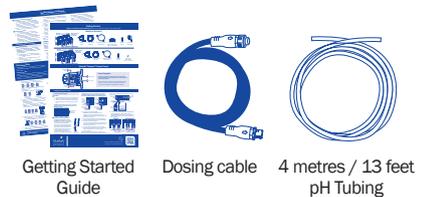
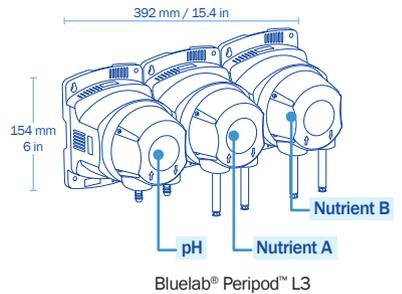
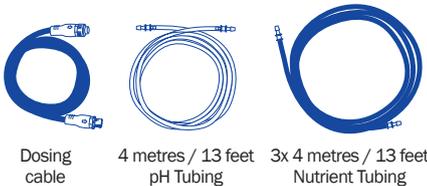
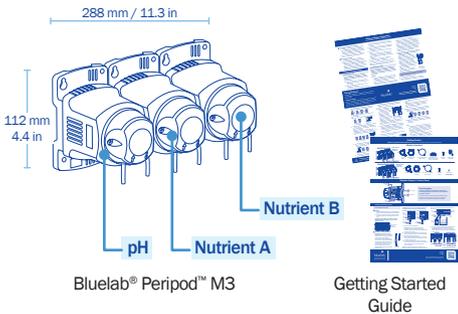
Compatible with most modern growing systems including recirculating and drain to waste systems.

Compatible with Bluelab® Pro Controller™ and most Bluelab® Dosetronic™ models¹.

¹ Bluelab® Peripod™ is compatible with Bluelab® Dosetronic™s manufactured after 2010. Contact Bluelab® Customer Support for more information.

1.2 What's in the box?

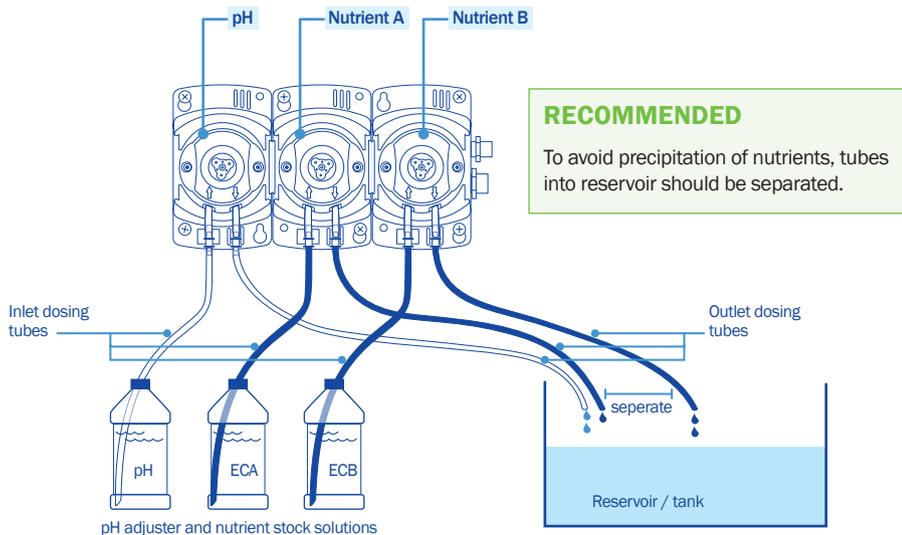
Please check and verify the box contents match the below list:



1.3 How the Bluelab® Peripod™ works & installation example

The Bluelab® Peripod™ is designed to be connected to a Bluelab® Pro Controller with inlet tubes placed into pH adjuster and nutrient stock solutions, and the outlet tubes placed into the reservoir. The Bluelab® Peripod™ can be integrated into a variety of growing systems including but not limited to recirculating and drain to waste systems. It is not designed for use as an inline doser.

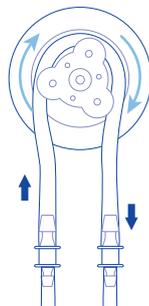
Installation example



Dosing

The Bluelab® Peripod™ responds to electrical dosing 'triggers' received from the Bluelab® Pro Controller, and pumps the pH adjuster and nutrient stock solutions into the reservoir as needed through peristaltic pumps.

Peristaltic pumps work by compressing a flexible tube between rollers and the inside wall of the pump housing. When these rollers are rotated, liquid is squeezed through the tube and pushed out of the pump outlet. At the same time, as the rollers move past a section of tube, the tube opens, creating a suction that pulls liquid into the pump inlet for the next roller to squeeze out of the outlet. Chemical resistant tube allows acids and alkalis to be pumped direct from their containers, through the pumps, and into the nutrient reservoir.



The amount of liquid that is pumped through a peristaltic pump can vary due to a number of factors including:

- Age and condition of peristaltic tubing.
- Pump mounting height and tube length.
- Viscosity and specific gravity of the liquid being pumped.
- Environmental temperature.

To counteract these variations each EC peristaltic pump can be individually calibrated to help ensure the desired amount of solution is dosed relative to that being dosed by the other EC pump in the Bluelab® Peripod™.

2.0 Safety Precautions

IMPORTANT

BEFORE installation and first use - read this section. To ensure safe setup and operation of the Bluelab® Peripod™ follow all precautions in this manual. All the safety instructions and/or warnings given throughout this manual relate to the specific features of the Bluelab® Peripod™.

2.1 General safety precautions

Follow all generally accepted safety practices and procedures required when working with and around electricity, including the following:



WARNING

- This product is designed for pumping liquids only.
- Never use in or around flammable gases. Doing so creates risk of smoke, fire, or explosion.
- Never use a voltage that is different from that specified on the product.
- Do not touch the pump motor when removing it shortly after running. The motors get hot when operating and could cause serious burns.
- Never take the product apart or modify it except as described in this manual.
- Never leave any dangerous liquids inside the tubing when replacing or disconnecting tubing or pumps. Remaining dangerous liquids may cause serious injury. Always flush with water.
- Remove dangerous liquids from pumps and tubing when storing, or if product is not to be used for extended periods.
- Always flush tubing with water before changing from one dosing solution to another.



CAUTION

- Peristaltic tubing can degrade in certain conditions of use. Always check for signs of degradation and leaks, and replace tubing as required to ensure safe operation.

2.2 Chemical safety precautions

Bluelab® recommend that you DO NOT handle concentrated acids or alkalis, however if you do, ensure that ALL generally accepted safety practices and procedures required when working with acidic and alkaline solutions are followed.



WARNING

- Follow all Manufacturer's storage, safety instructions and precautions when handling chemicals.
- ALWAYS neutralise acids and alkalis before cleaning up a spill or disposing of them.



3.0 Installing the Bluelab® Peripod™

3.1 Mounting the Bluelab® Peripod™

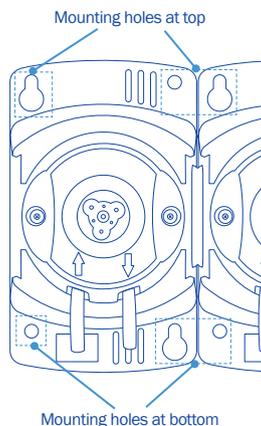
1 Select a suitable location that is:

- Higher than both the reservoir and the pH and nutrient solutions. This will avoid siphoning from one to the other in the event of peristaltic tube failure.
- NOT directly above the reservoir. This will avoid leaked solution entering the reservoir in the event of peristaltic tube failure.
- Less than 1.5m from an electrical mains outlet.
- Less than 2m from the reservoir so that pump outlet tubing can reach easily.
- Ideally less than 1.5m above pH adjuster and nutrient stock solutions. This will ensure pump suction is adequate to pump solutions. For heavy or viscous solutions a lower mounting height may be required.

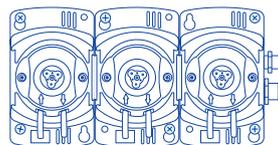
CAUTION

- Direct sunlight may result in increased damage to tubing and plastic components of the Bluelab® Peripod™.

- 2 Attach to the wall by securing the screws through the mounting holes in the top and bottom of the case. It is recommended to place screws as indicated in the diagram.



Recommended mounting configuration:



3.2 Setting up the inlet & outlet tubes

Straighten the dosing tubes before connecting. Bend tube in the opposite direction to its curve and straighten by running through closed fingers.

Each 4 metre / 13 foot length of tube requires cutting to be used as both inlet and outlet dosing tubes with connectors. Before cutting, ensure there is enough length for each. Cut the tubing on a 45° angle. This is important to avoid the tube becoming blocked due to suction at the bottom of the adjuster and nutrient solution bottles.

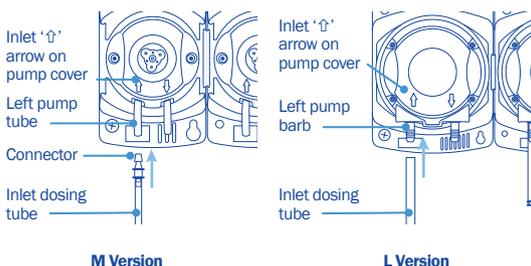
CAUTION

- Ensure you use the pH dosing tube with the pH adjuster solution. pH adjuster solution could damage nutrient tubing.

- 1 Set up the inlet dosing tube.

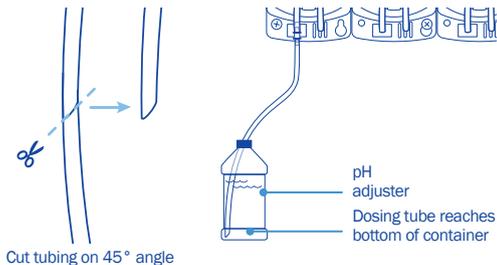
M Version: Insert the pH dosing tube connector into the LEFT pH pump tube.

L Version: Push one end of the pH dosing tube over the LEFT pH pump barb.



3.2 Setting up the inlet & outlet tubes continued

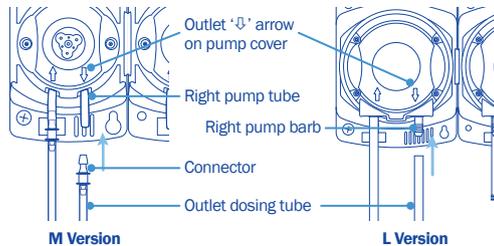
- Ensure the inlet dosing tube will reach the bottom of the pH adjuster container. Cut the inlet dosing tube to desired length.



- Set up the outlet dosing tube.

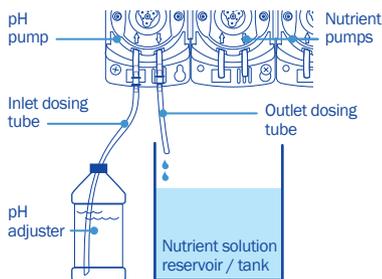
M Version: use the remaining dosing tube with the connector, and insert the connector into the RIGHT pH pump tube.

L Version: Use the remaining dosing tube and push it onto the RIGHT pH pump barb.

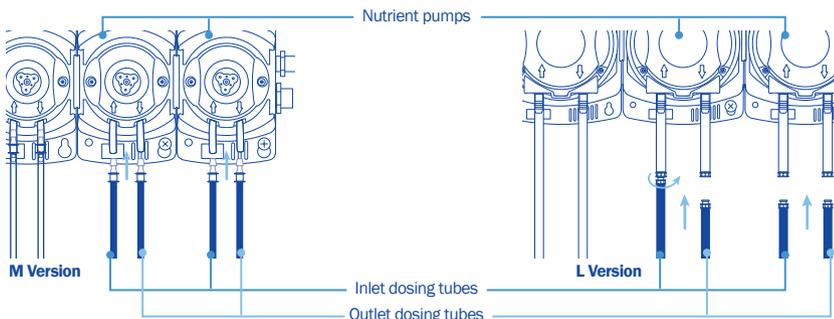


- Cut the outlet dosing tube so that the tube sits above the maximum solution level of the reservoir. The pH adjuster and nutrient solutions must drip into the nutrient reservoir.

Note: If the outlet dosing tubes are immersed in the reservoir it could create a siphon. This could possibly cause the solutions to flow into the reservoir or vice versa.



- To set up nutrient tubing and pumps, repeat steps 1-4 using the darker nutrient solution tubing. **For the L Version:** Insert and twist each connector of the nutrient dosing tube into each nutrient pump tube connector.

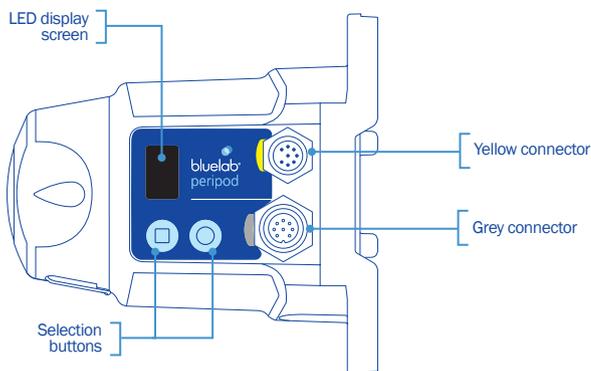


Note: If pH adjuster or nutrient stock solution being used has solid particles suspended in it, then a sieve filter should be placed on the end of the tube to prevent tube blockages and potential damage to the peristaltic pumps.

A suitable sieve filter should suit tubing with 3mm or 1/8in ID for the M version, 8mm or 1/3in ID for the L version. The filter should be made from a material that is compatible with the pH adjuster or nutrient stock solution being used.

3.3 Bluelab® Peripod™ connection panel

The interface panel is located on the right hand side of the Bluelab® Peripod™ and provides the user interface to access its features.

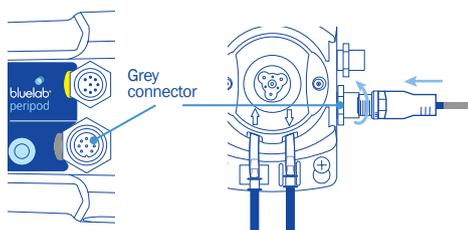


3.4 Connecting to a Bluelab® Pro Controller

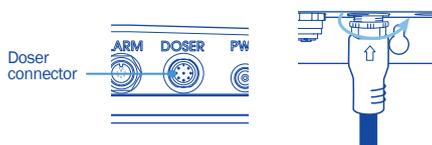
For ease of use Bluelab® dosing cables are colour coded. Each end matches up with colours on the connector panel of the Bluelab® Peripod™.

- 1 To connect the Bluelab® Peripod™ to the Bluelab® Pro Controller™, align pins and push the connector onto the GREY connector.

Once pushed in turn the threaded collar of the connector clockwise to secure the connector in place.



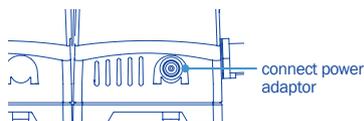
- 2 Then connect the other end (YELLOW end) to the doser connector of the Bluelab® Pro Controller.



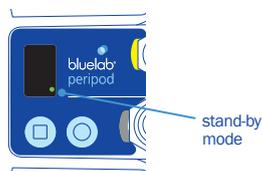
Line up connector pins, push and turn

3.5 Connect power adaptor

- 1 Connect the power adaptor into the power receptacle in the base of the Bluelab® Peripod™.



- 2 Plug the adaptor into the mains power supply. Switch on the power adaptor at the mains. The Bluelab® Peripod™ will complete a display test sequence. A GREEN dot in the lower right hand corner of the display indicates that the Bluelab® Peripod™ is powered ON, in stand-by mode and ready to dose.

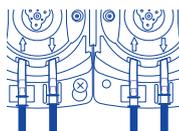


4.0 Set up and operation

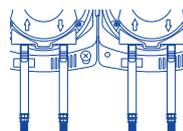
4.1 Manual pump priming

It is recommended that after setup and before automatic dosing begins all pumps are manually primed with the solutions that they will dose during normal operation. This is done for each pump individually by following the process below.

- 1 Ensure that all dosing tubes are correctly installed, see Section 3.2, and the BlueLab® Pro Controller (if connected) is in monitor mode.



M Version



L Version

- 2 Short press the square selection button '□' to enter pump priming mode.

The LED display will show the letter P to indicate that priming mode has been entered then either a 1, 2 or a 3 will be displayed to indicate which pump is selected.

Press '□' selection button



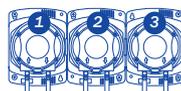
- 3 Change the selected pump by short pressing the square button '□'. This will change the displayed number between 1, 2 and 3.



M Version pump selection



Priming mode



L Version pump selection



Pump to be primed

- 4 To begin priming the selected pump short press the circle button '○'. The pump will begin running and the LED display will show a DOT in the bottom right corner (along with the pump number) to indicate that the pump is being primed.

Note: As a safety precaution the pump will stop after around two minutes, and return to standby mode. If further priming is required, simply re-enter priming mode, select the pump again, and start priming as before.



Press '□' selection button



Change pump



Press '○' selection button

- 5 Once the pump is primed short press the square button to return to standby mode.



Pump being primed

- 6 To prime another pump repeat steps 1 to 5 above.

Note: The pump can be paused and restarted at any time during priming by short pressing the circle button '○'.



Press '□' selection button once pump is primed

4.2 Calibrating nutrient pumps

Bluelab® recommends that pumps are calibrated on initial set up, whenever it is observed that different quantities of solution are being dosed, when changing nutrient type, and every 30 days. The pH pump cannot be calibrated.

Dose rates of peristaltic pumps can vary for many reasons, including:

- Temperature of solution.
- Temperature of operating environment.
- Vertical mounting distance (height) from stock solutions.
- Age and condition of peristaltic tubes.
- Age and condition of pumps.
- Specific gravity and viscosity of stock solutions.

For these reasons the Bluelab® Peripod™ has a pump calibration feature that is designed to reduce these effects by providing a user calibration for each pump. Pump calibration is not required, however it does improve the dosing accuracy of each pump relative to the others, which is important when accurate dosing of several nutrient stock solutions into the reservoir is required.

The pump calibration is a simple process where equal volumes of solution are pumped through each nutrient pump. The time taken to deliver this volume of solution is measured by the Bluelab® Peripod™ which will then adjust each pump's running time during dosing in order to deliver the same quantity of solution from each pump.

To complete calibration you will need; an empty transparent container that is able to hold approximately 300ml / 10oz for M versions, or 3000ml / 100oz for L versions, a marker pen, and a stop watch or similar.

⚠ CAUTION

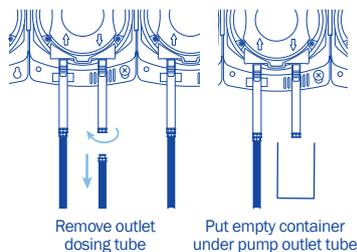
- To ensure calibration accuracy, the solution used during the calibration of each pump **MUST** be the same solution that will be dosed by that specific pump during normal operation.
- Pump calibration should be done with the Bluelab® Peripod™ and inlet tubing fully installed and primed as it would be during normal operation.
- The maximum running time for a pump during calibration is 3 minutes. If this time is exceeded the calibration will fail (the Peripod will display "F" then "A", "I", "L", leave calibration mode and return to standby). It will not save calibration for that pump. If a pump takes longer than three minutes to deliver the required amount of solution it is likely there is a problem with the pump. See Section 5.3 Troubleshooting.

With the Bluelab® Peripod™ and dose tubing fully installed and primed, and the Bluelab® Pro Controller in monitor mode (if connected):

- 1 Select the first nutrient pump to be calibrated, remove the outlet dosing tube from the pump outlet and place your empty transparent container underneath the pump outlet tube so that nutrient pumped through the pump will flow into the empty transparent container and NOT into the reservoir.

Note: Carefully remove the outlet dosing tube from the connector to remove for M3 version.

- 2 Power up the Bluelab® Peripod™. The LED Display should show a dot in the lower left hand corner of the display indicating it is in standby mode.



Power up in standby mode



4.2 Calibrating nutrient pumps continued

- Enter pump calibration mode with a long press of the square button '□' (long press = ~2 seconds). The LED display will initially show the letter P, then C, A, L, once pump calibration mode has been entered. A 2 or 3 will be displayed to indicate which pump will be calibrated.

Note: Press '□' to switch between pumps 2 or 3 and select the pump you will calibrate first. Remember, pump 1 (pH) cannot be calibrated.



Indicates pump being calibrated

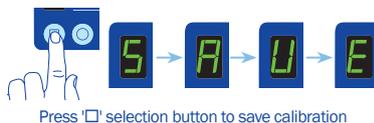


- To begin calibrating start the stop watch, or note the time, and short press the circle button 'O'. The pump will begin running and the LED display will show a rotating bar to indicate that the pump is running.

Allow the pump to run for approximately **two minutes**, then short press the circle button again to stop the pump. The LED display will show a dash.



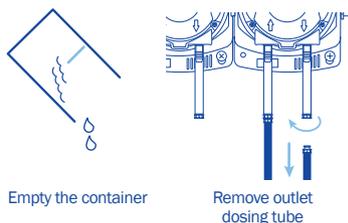
- Press the square button '□' to save the calibration for this pump. The LED display will show S A V E to confirm that the calibration has been saved.



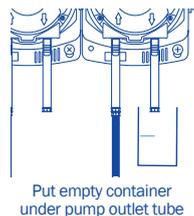
- Take the marker pen and draw a line on the side of the transparent container to indicate the solution level within the container. This will be the reference quantity that the other pump will be calibrated to.



- Empty the transparent container.



- Select the second nutrient pump to be calibrated, remove the outlet dosing tube from the pump outlet and place your empty transparent container underneath the pump outlet tube so that nutrient pumped through the pump will flow into the empty transparent container and NOT into the reservoir.



Note: Carefully remove the outlet dosing tube from the connector to remove for M3 version.

4.2 Calibrating nutrient pumps continued

- 9 Enter pump calibration mode again with a long press of the square button '□' (long press = ~2 seconds).

The LED display will show the letter P, then C, A, L, once pump calibration mode has been entered.

A 2 or 3 will be displayed to indicate which pump will be calibrated.

- 10 If required, press the square button '□' to switch to the next pump to be calibrated.

- 11 To begin calibrating the pump short press the circle button '○'.

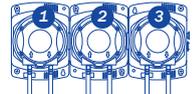
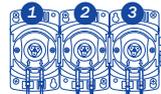
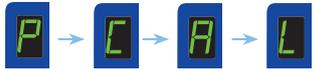
The pump will begin running and the LED display will show a rotating bar to indicate that the pump is running.

This time stop the pump with a short press of the circle button once the solution level has reached the mark made on the container in STEP 6 above. The LED display will show a dash.

Note: The pump can be paused at any time during calibration by short pressing the circle button. Push the circle button '○' again to restart the pump and continue calibration.

- 12 Press the square button '□' to save the calibration for this pump. The LED display will show S A V E to confirm that the calibration has been saved.

- 13 Calibration of the nutrient pumps is now complete. Re-attach the nutrient dosing tubes to the peristaltic pump tubes.

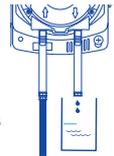


M Version pump selection

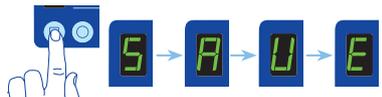
L Version pump selection



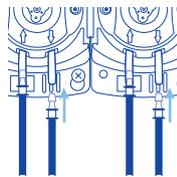
Pump to be calibrated



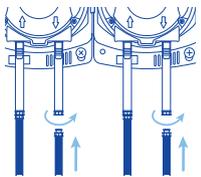
Let pump run until solution reaches the marker line



Press '□' selection button to save calibration



M Version



L Version

Note:

Pump calibration can be repeated at any time, however it is recommended that calibration is done at least every 30 days.

Once the first calibration has been carried out, calibration of any pump can be carried out at any time using the marked solution container without the necessity of timing the first pump, however it is recommended that all pumps are calibrated whenever calibration is carried out.

Once calibrated, the pumps will be turned on and off at intervals by the Bluelab® Peripod™ while dosing in order to dose the correct amount, rather than both pumps continuously dosing. This is normal operation.

Calibration times of greater than three minutes are not allowed, and will result in a failed calibration.

Resetting the Bluelab® Peripod™ to an un-calibrated state can be carried out by pressing and holding both square and circle buttons while powering up.

5.1 Maintenance

- Peristaltic pump tubing has a finite life and should be replaced periodically to maintain stable performance. Refer to the spare parts manual for information on bluelab.com
- Flush pumps and tubing with water when product is going to be unused for more than one month.
- If re-installing after long periods of storage, initial setup procedures should be carried out.
- If you notice sudden or significant changes in flow rate see the troubleshooting guide in section 5.3 and check for signs of damage or wear.

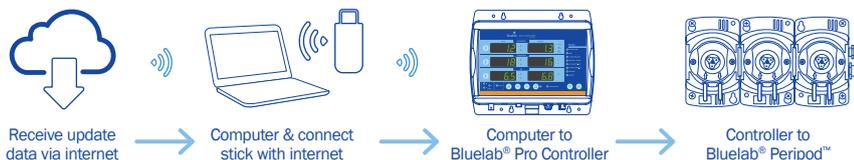


WARNING

Always flush tubing and pumps with clean water BEFORE performing any maintenance on pumps or tubing. This ensures that all dangerous chemicals are flushed out of the tubing and pump, reducing accidental harm or injury.

5.2 Firmware upgrading

- 1 When prompted by the Bluelab® Connect™ software that new firmware for the Bluelab® Peripod™ is available, upgrade it to enable improved functionality. The data receiving computer with Bluelab® Connect™ Software must be connected to the internet for software to receive firmware update information.



5.3 Troubleshooting guide

| PROBLEM | PROBABLE CAUSE | CORRECTION |
|--------------------|--|---|
| Pumps not turning. | On/off time / required levels met. | Check Bluelab® ProController required level and off times. |
| | Bluelab® ProController is in alarm mode. | Refer to Bluelab® ProController manual to change ProController alarm modes. |
| | Bluelab® ProController not set to control. | Ensure Bluelab® ProController is in control mode (refer to Bluelab® ProController Manual). |
| | Required dosing levels not correctly set. | Ensure Bluelab® ProController is set up with correct required levels for EC/pH (refer to ProController Manual). |
| | Power not connected. | Check power supply is plugged in. If there is a green dot in the bottom right corner of the display the Bluelab® Peripod™ is correctly powered. |
| | Bluelab® Peripod™ not connected properly. | Check the connections between the Bluelab® Peripod™ and the Bluelab® ProController. |
| | Cassette is damaged. | If you can hear the motor running, but the cassette isn't spinning, check cassette and motor spindle. Replace if damaged. |
| | Motor is damaged. | Replace motor. |

5.3 Troubleshooting guide continued

| PROBLEM | PROBABLE CAUSE | CORRECTION |
|--|--|--|
| Pump(s) not feeding but are turning. | Nutrient stock/pH adjuster tank is empty. | Replenish nutrient. |
| | Tube is blocked. | Remove and unblock tube, rinse with water and reattach. |
| | Tube is twisted. | Go through all the tubing (including that going into the cassette) and straighten out any kinks. |
| | Tube is cut flat and touching the bottom of the nutrient tank. | Cut the bottom of the tube at a 45° angle. |
| | Split or hole in tubing. | Replace tubing. |
| | Damaged cassette/worn peristaltic tube. | Replace cassette. |
| Pumps are not feeding the same quantities / Pump(s) flow rate decreased / Pump(s) failing calibration | Calibration is out of date. | Re-calibrate pumps. |
| | Nutrient has changed. | Re-calibrate pumps. |
| | Tube is blocked. | Remove and unblock tube, rinse through with water and reattach. |
| | Nutrient levels very low. | Ensure tube is always in the nutrient even when levels are low. |
| | Tube is twisted. | Go through all the tubing (including that going into the cassette) and straighten out any kinks. |
| | Tube is cut flat and touching the bottom of the nutrient tank. | Cut the bottom of the tube at a 45° angle. |
| | Split or hole in tubing. | Replace tubing. |
| EC/pH not changing. | Damaged cassette/worn peristaltic tube. | Replace cassette. |
| | Damaged pump. | Replace pump. |
| | Inlet dosing tube not in nutrient stock solution/pH adjuster. | Put dosing tube back in nutrient stock solution/pH adjuster. |
| | Outlet dosing tube not in reservoir. | Put dosing tube back in reservoir. |
| | Run out of nutrient/pH adjuster. | Replace nutrient/pH adjuster. |
| | Tube is twisted. | Go through all the tubing (including that going into the cassette) and straighten out any kinks. |
| | Tube is cut flat and touching the bottom of the nutrient tank. | Cut the bottom of the tube at a 45° angle. |
| | Split or hole in tubing. | Replace tubing. |
| Over Dosing. | Damaged cassette/worn peristaltic tube. | Replace cassette. |
| | Damaged pump. | Replace pump. |
| Under dosing. | Poor mixing in reservoir. | Add mixer to reservoir. |
| | Off time too short. | Increase off time (refer to BlueLAB® ProController Manual). |
| Never reaching desired EC/pH. | On time too short. | Increase on time (refer to BlueLAB® ProController Manual). |
| | Incorrect on/off times. | Alter on/off times (refer to BlueLAB® ProController Manual). |
| EC/pH is never dosing. | Pumps too small for reservoir. | Move to the L3 version of the BlueLAB® Peripod™ if possible or add more BlueLAB® Peripod™ (in a daisy chain) for larger reservoirs. Contact customer support for instructions. |
| | BlueLAB® ProController is configured to adjust in the wrong direction. | Change BlueLAB® ProController setting to adjust EC/pH in the correct direction, up or down (refer to BlueLAB® ProController Manual), ensure you have the correct solution. |



5.4 Technical specifications

| | M3 | L3 |
|-------------------------------------|--|--|
| Function | Pump #1: pH, Pump #2: EC A, Pump #3: EC B | Pump #1: pH, Pump #2: EC A, Pump #3: EC B |
| Pump flow rate | 120 ml/min ¹ | 1200 ml/min ¹ |
| Peripod size selection | Refer to bluelab.com for discussion on pump sizing | |
| Peristaltic tube lifetime | >750hrs | |
| Peristaltic pump motor lifetime | >1500hrs | |
| Solution Temperature | 5 - 50 °C / 41 - 122 °F | |
| Environment Temperature | 5 - 40 °C / 41 - 104 °F | |
| Flow rate accuracy at 20 °C / 68 °F | ±10% ^{1,2} | |
| Pump Calibration | Yes | |
| Firmware upgradable | Yes | |
| Power Source | Input: 100-240 Vac, 50-60 Hz, 5 VA Output: 24Vdc 2 Amp, 24Vdc 5 Amp (on limited L3 stock) | |
| Certifications | CE, FCC, IC. | |

¹ Pump flow rate and dosing accuracy is dependent on, among other things; temperature, liquid being pumped, age and condition of tubing. Therefore the actual flow rate achieved will vary between each setup and with time.

² With no valid pump calibration.

5.5 Material specification for tubing

| | Peristaltic tubing | pH tubing | Nutrient tubing |
|---------------|---|-----------------------------|-----------------|
| Food Grade | YES | YES | NO |
| Standards Met | USP Class VI, ISO 10993, FDA CFR 21, FDA 3-A, NSF 51, REACH, RoHS | USP Class VI, FDA CFR 21 | RoHS |

5.6 pH adjuster compatibility for tubing³

| | Peristaltic tubing (PharMed BPT) | pH Tubing (PTFE) | Nutrient tubing (LDPE) |
|---------------------|----------------------------------|------------------|------------------------|
| Nitric Acid | <35% | Concentrated | <10% |
| Phosphoric Acid | <85% | Concentrated | <40% |
| Sulfuric Acid | <30% | Concentrated | <50% |
| Citric Acid | <20% | Concentrated | <10% |
| Potassium Hydroxide | Concentrated | Concentrated | Concentrated |
| Potassium Carbonate | Concentrated | Concentrated | Concentrated |
| Potassium Silicate | Unknown | Concentrated | Concentrated |

³ The chemical concentrations stated in the above table are just a guide. Variations in temperature, pressure, or UV exposure may cause tubing failure which could lead to serious injury if proper safety precautions are not followed. For this reason it is recommended that the tubing be tested by the user with the desired chemical in the specific application to determine ultimate suitability before using them. No warranty (neither express or implied) is given that the information in these tables is accurate or complete or that any material is suitable for any purpose.



Bluelab® pH Up and pH Down Solutions

Optimum growth needs optimum pH. And we make optimum simple.

If your pH isn't in the right range – and that's 5.5-6.5 for most plant varieties – your nutrients are likely wasted.

We say that's a problem you don't need. At Bluelab®, we want our customers to have optimum growth and the best plants possible. So we've made it easy to raise or lower pH levels, whenever you need, and keep them just where they should be.

Bluelab®'s pH Up and pH Down are formulated to the highest standards. Just add what's required to lift or reduce growing solution acidity. Your plants will thank you for it. The main thing is, you'll see the difference in your harvest. Optimum inputs. Optimum results. Simple.



Available in:



› Bluelab® pH Up 500ml

› Bluelab® pH Down 500ml

› Bluelab® pH Up 1 Liter

› Bluelab® pH Down 1 Liter

› Bluelab® pH Up 1 Gallon

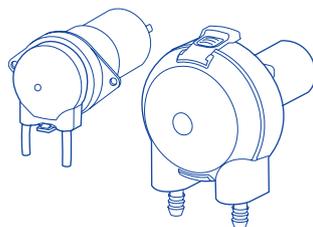
› Bluelab® pH Down 1 Gallon

Bluelab® Peristaltic Pumps

Replacement pump motor and cassette for Bluelab® Peripod™.

Quick and simple to replace when required.

All you have to do is order a replacement from your supplier!

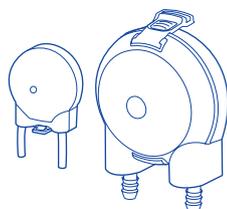


Bluelab® Cassette

Replacement cassette for Bluelab® Peristaltic Pumps.

Quick and simple to replace when required.

All you have to do is order a replacement from your supplier!



Bluelab® Dosing Tubing

Replacement pH and nutrient tubing, 4 meters / 13 feet in length.

For use with Bluelab® Peripod™ and pH adjuster or nutrient solution.

Dosing tube is specific to version of Bluelab Peripod™, so replacement is easy. Simply order pH or nutrient tubing to suit M or L type. Bluelab® pH Dosing Tube can be used with undiluted Bluelab® pH Up or Bluelab® pH Down.



Replacement Tubing for Bluelab® Peripod M

Bluelab® limited warranty

Bluelab® Corporation Limited (Bluelab) provides a warranty on its products (Bluelab® Peripod™) under the following terms and conditions:



How Long Does Coverage Last?

Bluelab® warrants the Bluelab® Peripod™ (Product) for a period of 24-months, (6-months for the pumps and dosing tubes), from date of purchase by original purchaser or consumer. Proof of purchase, to Bluelab's sole satisfaction, is required for the warranty to be effective (store sales receipt for Product showing model number, payment and date of purchase). This warranty is non-transferable and terminates if the original purchaser/consumer sells or transfers the Product to a third party.

What is Covered?

Bluelab® warrants the Product against defects in material and workmanship when used in a normal manner, in accordance with Bluelab® instruction manuals. If Bluelab® is provided with valid proof of purchase (as defined above) and determines the Product is defective, Bluelab® may, in its sole discretion either (a) repair the Product with new or refurbished parts, or (b) replace the Product with a new or refurbished Product.

Any part or Product that is replaced by Bluelab® shall become its property. Further, if a replacement part or Product is no longer available or is no longer being manufactured, Bluelab® may at its sole discretion replace it with a functionally-equivalent replacement part or product, as an accommodation in full satisfaction of the warranty.

What is NOT covered?

This warranty does not apply to equipment, component or part that was not manufactured or sold by Bluelab®, and shall be void if any such item is installed on a Product. Further, this warranty does not apply to replacement of items subject to normal use, wear and tear and expressly excludes:

- Cosmetic damage such as stains, scratches and dents
- Damage due to accident, improper use, negligence, neglect and careless operation or handling of Product not in accordance with Bluelab® instruction manuals, or failure to maintain or care for Product as recommended by Bluelab®
- Damage caused by use of parts not assembled/installed as per Bluelab® instructions
- Damage caused by use of parts or accessories not produced or recommended by Bluelab®
- Damage due to transportation or shipment of Product
- Product repaired or altered by parties other than Bluelab® or its authorised agents
- Product with defaced, missing or illegible serial numbers
- Products not purchased from Bluelab® or a Bluelab®-authorised distributor or reseller.

How Do You Get Service?

To begin a warranty claim you must return the Product to the point of purchase with valid proof of purchase (as defined above). In California, you can also return the Product to any Bluelab-authorised distributor or reseller, with valid proof of purchase.

Limitation of Liability & Acknowledgments

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IF ANY PROVISION OF THIS WARRANTY IS JUDGED TO BE ILLEGAL, INVALID OR UNENFORCEABLE, THE REMAINING PROVISIONS OF THE WARRANTY SHALL REMAIN IN FULL FORCE AND EFFECT.

Governing Law; Authority

This warranty is governed by the laws of the state of country where Product is purchased, without regard to its choice of law principles. Except as allowed by law, Bluelab does not limit or exclude other rights a consumer may have with regard to the Product. No Bluelab distributor, employee or agent is authorised to modify, extend or otherwise change the terms of this warranty.

Register your guarantee online at bluelab.com





guarantee.

The Bluelab® Peripod™ comes with a 2 year limited written guarantee, 6 months for pumps and tubes. Proof of purchase required.



connect.

If you need assistance or technical advice - we're here to help you.

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