bluelab®

Product Guide

pH, conductivity and temperature meters, monitors, controllers, wireless data and automated dosing systems.

Our equipment is designed to enable the world's growers to create the optimum environment to grow the best plants and food.

bluelab.com

Contents:

We give our customers the answers they need to manage, control and remotely monitor their growing environments.

Bluelab® offers a range of products that can be used in water-based solutions and media environments, from hobby through to commercial applications.

We call New Zealand home, but we ship around the world.

Bluelab® are a global company with our headquarters located in Tauranga New Zealand.

We're a proud team of Product Designers, Engineers & Educators. We design & make products that change the way the world grows plants and food.

"When I started,
I didn't think conductivity
was so important, now I've
raised my EC my plants just rocket
away so I know they've got the
nutrient levels required.

I use both Bluelab® pens* to spot
check my system to see if I've got any
variation which could lead to trouble
spots especially at the media beds.
They're fast to use and accurate."

LEON JURGENS
Tauranga, New Zealand

* Bluelab pH and Conductivity Pens

Portable Hand Held Meters

bluelab® pH pen

The ultimate handy solution for measuring pH

Features

- Measures pH and temperature
- Selectable units for temperature
- Fully waterproof
- Backlit LCD display
- Double junction probe (not replaceable)
- Simple two point calibration process with 30 day calibration indicator
- Hold reading function
- Low battery indicator
- Auto off function
- Automatic temperature compensation
- 1x AAA replaceable battery included

Limited Product Guarantee
1 year
with proof of purchase

HANDHELD
EASY TO USE

CODE: PENPH

Perfect for quick and easy pH and temperature readings direct from your solution.

The Bluelab® pH Pen is the preferred option for hand held pH meters. It provides a compact, quick and handy way to manage the success of your crops, and to help ensure maximum uptake of nutrients.

A key parameter that affects nutrient uptake in plants is whether your solution is acid or alkaline. We measure this in pH.

Teamed with our Bluelab® Conductivity Pen you have a robust, convenient and accurate measurement system.

Specifications

	pH	Temperature
Measurement Range:	0.0 - 14.0 pH	0 - 50°C 32 - 122°F
Resolution:	0.1 pH	1°C 1°F
Accuracy at 25°C or 77°F:	±0.1 pH	± 1°C ± 2°F

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bluelab® conductivity pen

The ultimate handy solution for measuring conductivity

Features

- Measures conductivity and temperature
- Selectable units for conductivity and temperature
- Shows conductivity scales CF, EC, PPM 500 & PPM 700 at the touch of a button
- Fully waterproof
- Backlit LCD display
- Calibration optional
- Successful 30 day calibration indicator
- Hold reading function
- Low battery indicator
- Auto off function
- Automatic temperature compensation
- 1x AAA replaceable battery included

Limited Product Guarantee
1 year
with proof of purchase

HANDHELD
EASY TO USE

CODE: PENCON

The go-to for hand held conductivity meters.

The Bluelab® Conductivity Pen simply tells you the amount of nutrient in your solution. Conductivity is automatically compensated with the integrated temperature sensor.

Providing a compact, quick and accurate way to measure two key parameters for crop health.

Teamed with our Bluelab® pH Pen you have a robust, convenient and accurate measurement system.

Specifications

	Conductivity	Temperature
Measurement Range:	0.0 - 10.0 EC 0 - 100 CF 0 - 5000 ppm (500 ppm / TDS) 0 - 7000 ppm (700 ppm)	0 - 50°C 32 - 122°F
Resolution:	0.1 EC, 1 CF 10 ppm (500 ppm) 10 ppm (700 ppm)	1°C 1°F
Accuracy at 25°C or 77°F:	±0.1 EC, ±1 CF ±50 ppm (500 ppm) ±70 ppm (700 ppm)	± 1°C ± 2°F

bluelab®
soil pH pen

pH measurements direct from your media

Limited Product Guarantee
1 year with proof of purchase

HANDHELD EASY TO USE

Features

- Direct measurement of pH and temperature from media, and solutions
- Fully waterproof
- Integrated storage cap/dibber
- Selectable units for temperature
- Backlit LCD display
- Simple two point calibration process with 30 day calibration indicator
- Hold reading function
- Low battery indicator
- Auto off function
- Automatic temperature compensation
- 1x AAA replaceable battery included

Know that your nutrients will be made consistently available to your plants.

The Bluelab® Soil pH Pen provides a pH and temperature reading of media including soil, coco and rockwool. It works in solutions too.

Accurately monitor pH levels right from the palm of your hand, no need for slurries - making soil pH measuring much quicker and easier.

Specifications

	pH	Temperature
Measurement Range:	0.0 - 14.0 pH	0 - 50°C 32 - 122°F
Resolution:	0.1 pH	1°C 1°F
Accuracy at 25°C or 77°F:	±0.1 pH	± 1°C ± 2°F

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bluelab®
grower's toolbox

A handy pack with everything you need to get going and keep growing

Limited Product Guarantee
1 year with proof of purchase

HANDHELD EASY TO USE

BONUS TOOLS INSIDE!

Toolkit Contents

- Bluelab® pH Pen
- Bluelab® Conductivity Pen

WITH BONUS:

- Bluelab® Grow Book
- Bluelab® pH & Conductivity Probe Care Kit
- Grower's Wall Chart

The essential tools you need to easily measure your crop's nutrient solution.

These clever pens make it easy to maximize the nutrient uptake (pH), the amount of food available (EC/ppm) and the solution temperature (°C / °F), so you can create the best nutrient environment for your plants' growth.

With these tools and essentials in one value added pack, the Grower's Toolbox is a complete simple crop nutrient management system that helps you get it right, from the start.

Pen Specifications

	pH	Conductivity	Temperature
Measurement Range:	0.0 - 14.0 pH	0.0 - 10.0 EC 0 - 100 CF 0 - 5000 ppm (500 ppm/TDS) 0 - 7000 ppm (700 ppm)	0 - 50°C 32 - 122°F
Resolution:	0.1 pH	0.1 EC, 1 CF 10 ppm (500 ppm) 10 ppm (700 ppm)	1°C 1°F
Accuracy at 25°C or 77°F:	±0.1 pH	±0.1 EC, ±1 CF ±50 ppm (500 ppm) ±70 ppm (700 ppm)	± 1°C ± 2°F

The globally respected conductivity meter, simply brilliant, durable, reliable

Commercial

Displaying all the conductivity scales EC, CF, PPM 500 & PPM 700 on a single line.

Each time you feed your plants it's essential to know the nutrient levels of your solution. Simply done with the Bluelab® Truncheon® Nutrient Meter.

Flashing lights indicate your conductivity reading, which is automatically compensated with the integrated temperature sensor. Removable shroud for easy cleaning.

The Bluelab® Commercial Truncheon® Nutrient Meter has been designed for crops that require a higher than normal conductivity. Super tough, fully waterproof, factory calibrated and no on/off buttons to worry about. It's great for stirring your reservoir too!

The Bluelab® Commercial Truncheon® Nutrient Meter gives a higher conductivity range and displaying all the conductivity levels, CF, EC, PPM 500 & PPM 700 on a single line.

Meter length: 40 cm / 16 in.

CODE: TRUNV2 - ENGLISH
CODE: TRUNCOMV2

Features

	Bluelab® Truncheon Nutrient™ Meter	Bluelab® Commercial Truncheon Nutrient™ Meter
Conductivity range up to 3.6 EC, 36 CF, 1800 ppm 500 and 2520 ppm 700	✓	
Conductivity range up to 6.0 EC, 60 CF, 3000 ppm 500 and 4200 ppm 700		✓
Fully waterproof	✓	✓
Provided with EC, CF ppm 700 and ppm 500 scales	✓	✓
Auto on/off function	✓	✓
No calibration required (factory calibrated)	✓	✓
No buttons or switches	✓	✓
Battery operated (3x AA batteries included), so your Truncheon's ready out of the box	✓	✓
Measure while mixing nutrients in your reservoir	✓	✓
Limited Product Guarantee 5 year with proof of purchase	✓	✓
HANDHELD EASY TO USE	✓	✓

Specifications

	Bluelab® Truncheon Nutrient™ Meter	Bluelab® Commercial Truncheon Nutrient™ Meter
Measurement Range:	0.2 - 3.6 EC, 2 - 36 CF 100 - 1800 ppm (EC x 500) 140 - 2520 ppm (EC x 700)	0.4 - 6.0 EC, 4 - 60 CF 200 - 3000 ppm (EC x 500) 280 - 4200 ppm (EC x 700)
Resolution:	0.1 EC, 1 CF, 50 ppm (EC x 500), 70 ppm (EC x 700)	
Accuracy at 25°C or 77°F:	± 0.1 EC, ± 1 CF, ± 50 ppm (500 ppm), ± 70 ppm (700 ppm)	

bluelab® multimedia pH meter

Fast, accurate pH measurement in nutrient solution and root-zone from the palm of your hand.

Limited Product Guarantee 5 year with proof of purchase

6 months for Leap pH Probe

HANDHELD EASY TO USE

CODE: METMULTI

Features

- Test more with a faster sensor response and direct measurements from substrates

- Multimedia friendly, for measurements across a range of environments

- Toughened spear tip for direct root-zone measurements

- Simple two point calibration process with 30 day calibration indicator

- Backlit LCD display, low battery indicator, auto off function

BONUS CALIBRATION SOLUTION SACHETS INSIDE!

The perfect, portable way to accurately measure and monitor pH levels in a wide range of media.

Combine the Bluelab® Multimedia pH Meter and Bluelab® Leap™ pH Probe to take fast accurate measurements in nutrient solution, soil, coco coir, rockwool, potting mix and many other media types.

Calibration is simple with one push button on the meter and fresh Bluelab® Calibration Solutions. Successful calibration indicator is displayed on screen, after 30 days this will disappear, to indicate when re-calibration is required.

Team with the Bluelab® Solutions and the convenient Bluelab® Carry Case. Replacement Bluelab® pH or Leap™ pH Probe available too.

2 metre / 6.6 foot standard cable

Specifications

pH	
Measurement Range:	0.0 - 14.0 pH
Accuracy at 25°C or 77°F:	±0.1 pH*
Probe Tip:	Spear
Reference:	Double junction 3.5 M KCl/AgCl/ KNO$_3$ (gel)
BNC Boot:	Yes

* At start of Leap Probe's life.

NEW Product!

Measure the pH of solution & soil with one meter.

> "Very efficient and great time saver versus having to extract soil solution."
>
> **DAVE PALM**
> Owner, Ginsabi LLC

bluelab®
combo meter

pH, conductivity and temperature in one portable meter - simple

Limited Product Guarantee
5 year
with proof of purchase

6 months
for pH probe

HANDHELD
EASY TO USE

CODE: METCOM

A convenient and portable way to get conductivity, pH and temperature measurements in solution in a compact all-in-one meter.

Easy to read screen and push button operation, choose your preferred parameter to display.

Portable with no external power supply required, this meter can be used anytime and anywhere to help manage your plant's daily nutrient requirements.

Team with Bluelab® solutions and the convenient Bluelab® Carry Case, or the Bluelab® Leap pH Probe for a more direct media pH measurement..

2 metre / 6.6 foot standard cable

Features

- Replaceable double junction pH probe included

- Shows conductivity scales CF, EC, PPM 500 & PPM 700 at the touch of a button

- Lightweight and portable

- Large easy to read display

- No calibration required for conductivity or temperature (factory calibrated)

- Simple two point pH calibration process with 30 day calibration indicator

- Backlit LCD display

- Over range and under range indicators

- Low battery indicator

- 2x AAA alkaline batteries included

- Auto off function

- Compatible with Bluelab® Leap™ pH Probe

Specifications

	pH	Conductivity	Temperature
Measurement Range:	0.0 - 14.0 pH	0.0 - 9.9 EC 0 - 99 CF 0 - 4950 ppm (500 ppm/TDS) 0 - 6930 ppm (700 ppm)	0 - 50°C 32 - 122°F
Resolution:	0.1 pH	0.1 EC, 1 CF 10 ppm (500 ppm) 10 ppm (700 ppm)	1°C 1°F
Accuracy at 25°C or 77°F, or 2.77 EC:	±0.1 pH	±0.1 EC, ±1 CF ±50 ppm ±70 ppm	± 1°C ± 2°F

"The Bluelab® Guardian provides consistently accurate pH measurement 24/7 so we, as operators can attempt to keep everything balanced.

The parameters displayed are some of the most critical for our system.

If we do not have access to important information, we as farmers are unable to respond correctly."

Continuous Monitoring

bluelab® guardian monitor

Continuous monitoring of critical parameters for successful growth; pH, conductivity & temperature - 24/7

Connect™

In-line

CODE: MONGUA

CODE: MONGUACON

CODE: MONGUACONIN

See your desired levels of pH, conductivity and temperature.

Monitor your crops 24 hours a day, with the ability to set high and low alarms for each parameter. A flashing display and mobile alerts (Connect™ version only) let you know if your parameters move away from the optimum, allowing you to make the important adjustments quickly and effectively.

The large, clear display allows readings to be viewed from a distance.

Probe cable length: 2 metres / 6.6 feet - MONGUA & MONGUACON

3 metres / 10 feet - MONGUACONIN

Specifications

	pH	Conductivity	Temperature
Measurement Range:	0.0 - 14.0 pH	0.0 - 5.0 EC 0 - 50 CF 0 - 2500 TDS (EC x 500) 0 - 3500 ppm (EC x 700)	0 - 50°C 32 - 122°F
Resolution:	0.1 pH	0.1 EC, 1 CF 10 TDS 10 ppm	1°C 1°F
Accuracy at 25°C or 77°F:	±0.1 pH	±0.1 EC ±1 CF ±50 TDS ±70 ppm	±1°C ±2°F

Limited Product Guarantee **2 year** with proof of purchase

WALLMOUNT

Bluelab® Guardian Connect™ model: *Bluelab® Connect™ Stick required for wireless logging & remote alerts, sold seperately*

Features

	Bluelab® Guardian Monitor	Bluelab® Guardian Monitor Connect™	Bluelab® Guardian Monitor Connect™ In-line
Continuous viewing	✔	✔	✔
Bright, plant-safe green LED displays with adjustable brightness	✔	✔	✔
Easy to navigate menu to program & adjust settings	✔	✔	✔
Replaceable double junction pH probe included	✔	✔	✔
Selectable conductivity and temperature scales	✔	✔	✔
No calibration required for conductivity or temperature (factory calibrated)	✔	✔	✔
Simple push button pH calibration	✔	✔	✔
Flashing silent high and low alarms	✔	✔	✔
Mobile alerts		✔	✔
Built with high tolerance to RF / electronic interference	✔	✔	✔
International power supply	✔	✔	✔
Remote viewing with Bluelab® Connect™ Software and Apps		✔	✔
Log data locally or securely in the Bluelab Cloud for trend analysis		✔	✔
Visit bluelab.com to download FREE Bluelab® Connect™ software		✔	✔
6 month limited product guarantee for pH probe	✔	✔	
1 year limited product guarantee for high pressure pH probe			✔
Probe has an NPT thread (allowing setup as per page 30) and enabling use in high water pressure systems			✔

"At our old site we had to hand feed nutrients which was time consuming.

Now we use a Bluelab® Pro Controller, PeriPod™ and Connect™ to automate our nutrient dosing. We have better control of EC and pH all the time plus less pH fluctuation."

MICHAEL MIFSUD, OWNER
Paulmar Hydroponics, Melbourne

Automated Control

bluelab® pH controller

Automatic dosing of pH levels in nutrient solutions, creating stable environments for plants to thrive

CODE: CONTPH

Connect™

CODE: CONTPHCON

Fine-tunes the reservoir pH levels for you. Confidence - your pH is taken care of.

Automatic measuring and adjusting to pre-set pH levels with optional alarms. Provides consistent control of pH in growing systems.

Intuitive "on time" and "off time" allows the solution to dose and mix before the controller measures and doses again. Reassurance with safety lockouts to prevent over delivery of pH adjusters.

If your pH isn't in the right range, and that's 5.5 - 6.5 for most plant varieties in hydroponics, your nutrients are likely wasted. Too high or too low, and you're in trouble. The result is nutrient deficiency or complete nutrient lockout. A sure way to unhappy, unhealthy - even dying - plants.

Probe cable length: 2 metres / 6.6 feet

Specifications

pH	
Dosing Control Parameter:	pH - user selectable single direction (up or down)
Control Range:	0.1 - 13.9 pH
Dose Rate:	10ml per minute
Resolution:	0.1 pH
Accuracy at 25 °C / 77 °F:	±0.1 pH

Limited Product Guarantee **2 year** with proof of purchase

WALLMOUNT

***Bluelab® pH Controller Connect™ model:** Bluelab® Connect™ Stick required for wireless logging & remote alerts, sold seperately*

Features

	Bluelab® pH Controller	Bluelab® pH Controller Connect™
Automatic control of pH level	✓	✓
Dose either pH up or pH down adjusters	✓	✓
Replaceable double junction pH probe	✓	✓
Plant-safe green backlit LCD with adjustable brightness	✓	✓
Large, easy to read display	✓	✓
Easy to navigate menu to adjust settings	✓	✓
Simple push button pH calibration with on screen instructions	✓	✓
Flashing high and low alarms with control lockouts	✓	✓
Mobile alerts		✓
Water resistant design	✓	✓
Separate Bluelab® Temperature Probe (for pH ATC)	✓	✓
Replaceable peristaltic pump	✓	✓
Log data locally or securely in the Bluelab® Cloud for trend analysis		✓
Visit bluelab.com to download FREE Bluelab® Connect™ software		✓
6 month limited product guarantee for pH probe	✓	✓

bluelab® pro controller connect

Automated, constant control of reservoir pH and nutrient levels

Limited Product Guarantee
2 year with proof of purchase

6 months for pH probe

CODE: CONTPRO

WALLMOUNT WALLMOUNT

WIRELESS DATA LOGGING

bluelab connect

✓ Bluelab® Connect™ Stick included

Full control of reservoir pH, conductivity and temperature in one place.

When connected to a dosing system the Bluelab® Pro Controller™ manages pH, conductivity and temperature levels in reservoirs.

As your plants feed, pH and nutrients are automatically adjusted to the desired range.

Probe cable length: 2 metre / 6.6 feet

Features

- Control pH, conductivity and temperature when connected to a dosing system, like the Bluelab® PeriPod™

- Easy to navigate menu to program and adjust settings

- Remote viewing with Bluelab® Connect™ desktop software and mobile app

- Visit bluelab.com to download FREE Connect software

- Bright, plant-safe green LED display with adjustable brightness

- Simple pH calibration with on screen instructions

- High and low alarm control lockouts

- Auto resume dosing on restart after power loss

- Dosing lockouts to protect from over-dosing

- Replaceable Bluelab® probes

- Use Bluelab® PowerPod™ to connect to other mains operated dosers and/or heating or cooling devices

Specifications

	pH	Conductivity	Temperature
Units:	pH	EC, CF, TDS (EC x 500), ppm (EC x 700)	°C, °F
Control Range:	0.1 - 13.9 pH	0.1 - 4.9 EC, 1 - 49 CF 50 - 2450 TDS (EC x 500), 70 - 3430 ppm (EC x 700)	1 - 50 °C, 34 - 122 °F
Resolution:	0.1 pH	0.1 EC, 1 CF 70 ppm, 50 ppm	1°C, 1°F
Accuracy at 25°C or 77°F:	±0.1 pH	±0.1 EC, ±1 CF, ±50 TDS, ±70 ppm	±1°C, ±2°F

bluelab® peripod

Confidently automate the perfect pH and nutrient levels in nutrient reservoirs

Easy integration for nutrient solution management.

Your time is extremely valuable, don't waste it manually dosing.

Designed to be teamed with the Bluelab® Pro Controller™ for a fully integrated solution for optimal reservoir dosing, the Bluelab® PeriPod™ is a simple and reliable inclusion to your system.

The Bluelab® PeriPod™ responds to the Bluelab® Pro Controller™ and pumps pH adjusters and nutrient stock solutions into your reservoir using peristaltic pumps. Accurately measure, control and maintain pH and nutrient levels. Grow sites are all different so now you can choose the pump size to match your set up needs and add optional extras, external alarm box and sample pot, to your nutrient dosing system set up.

Visit bluelab.com and Shop Controllers to learn which pump size is best suited to your system.

Features

M3 Version:

- 1x 120 ml (4 fl oz) / min peristaltic pump for dosing pH adjuster solutions
- 2x 120 ml (4 fl oz) / min peristaltic pumps for dosing nutrient stock solutions

L3 Version:

- 1x 1200 ml (40 fl oz) / min peristaltic pump for dosing pH adjuster solutions
- 2x 1200 ml (40 fl oz) / min peristaltic pumps for dosing nutrient stock solutions

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- Rugged wall mount design
- Individual pump priming and calibration
- Replaceable peristaltic pumps and tubing
- Compatible with Bluelab® Pro Controller™ and most Bluelab® Dosetronic™ models

Specifications

	M3	L3
Pump Function:	#1: pH, #2: EC A, #3: EC B	#1: pH, #2: EC A, #3: EC B
Pump Flow Rate per Minute:	120 ml 4 fl oz	1200 ml 40 fl oz
Solution Temperature:	5 - 50°C, 41 - 122°F	
Length: Height:	288 mm / 11.3 in 112 mm / 4.4 in	392 mm / 15.4 in 154 mm / 6 in
Environment Temperature:	5 - 40°C / 41 - 104°F	
Acid Concentration Level using the supplied pH Tubing:	Less than 80% Phosphoric, 35% nitric, 30% sulphuric or 20% citric acid by volume	
Flow Rate Accuracy at 25°C or 77°F:	±10%	

Limited Product Guarantee **2 year** with proof of purchase

WALLMOUNT — 6 months for pumps & tubing

CODES: M3 - PERIPODM3, L3 - PERIPODL3

M3
FLOW RATE UP TO:
120 ml / min, 4 fl oz / min
PER PUMP.

pH — pH adjuster | A — Nutrient A | B — Nutrient B

L3
FLOW RATE UP TO:
1200 ml / min, 40 fl oz / min
PER PUMP.

pH — pH adjuster | A — Nutrient A | B — Nutrient B
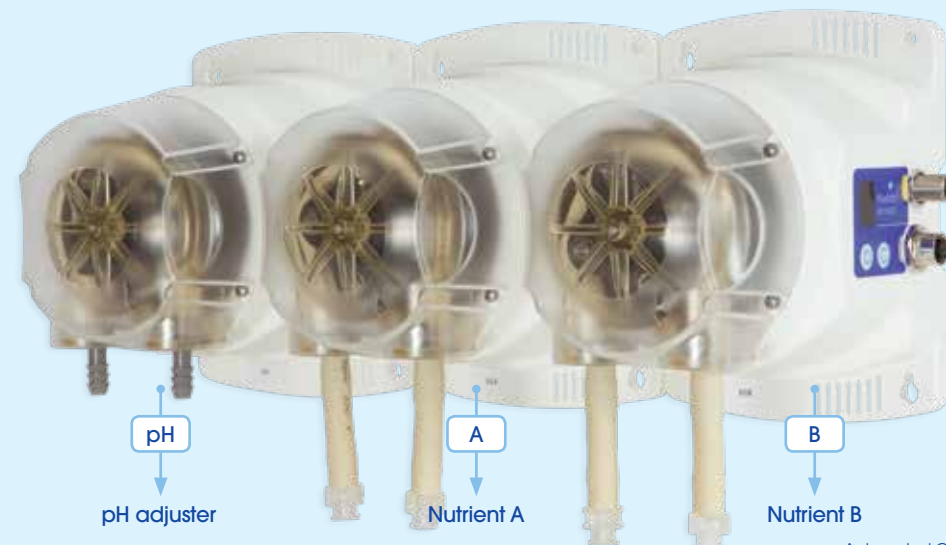
connect.
collect.
analyze.
maximize.

Fast, wireless data
direct from your
reservoir to your
computer and
mobile app.

Essential, accurate
information
at your fingertips.

Bluelab®
Connect™

bluelab® connect software

Stay connected to your crop

Download FREE Connect™ Software from: bluelab.com

View readings of essential reservoir measurements on your computer or mobile with our innovative Connect™ free software suite and mobile apps.

Download the free Desktop version of Bluelab® Connect™ and get alerts, alarms and see the readings from all your Connect™ devices. Link to the Bluelab® Cloud to use Connect™ for iOS or Connect™ for Android (Avail Q4 2017). View current and historical readings on your mobile device wherever you are.

Connect™ logs all measurements so you can easily spot trends over your growing cycles. This information can help you identify and resolve issues quickly and adjust Bluelab® control equipment settings conveniently from a local computer when used with Bluelab® Connect™ Software and a Bluelab® Connect™ Stick.

bluelab® connect stick

Compact wireless technology for access to crop data

Collects information wirelessly from Bluelab® Connect™ devices to your computer.

One Bluelab® Connect™ Stick receives data wirelessly from multiple Bluelab® Connect™ devices.

Download the free Bluelab® Connect™ Software to get grow site data direct to your computer and mobile device. Get connected...

Limited Product Guarantee 2 year with proof of purchase

WIRELESS DATA LOGGING

CODE: CONSTICK

Data log to computer with Connect™ stick

Mobile data visualisation

Wireless Signal Range

Indoor / Urban Range:	Up to 66 feet / 20 metres
Outdoor / RF Line-of-sight Range:	Up to 164 feet / 50 metres

bluelab® connect range extender

Boost your Connect™ signal range even further

Limited Product Guarantee 2 year with proof of purchase

WIRELESS DATA LOGGING

Simply plug the Bluelab® Connect™ Range Extender into a power supply between Bluelab® Connect™ Devices and Bluelab® Connect™ Stick to increase your range.

For extra-long distances multiple Bluelab® Connect™ Range Extenders can be used.

See Bluelab® Connect™ set up suggestions on page 29.

CODE: CONEXTEND

Recommended system set up for Bluelab® Connect™ products.
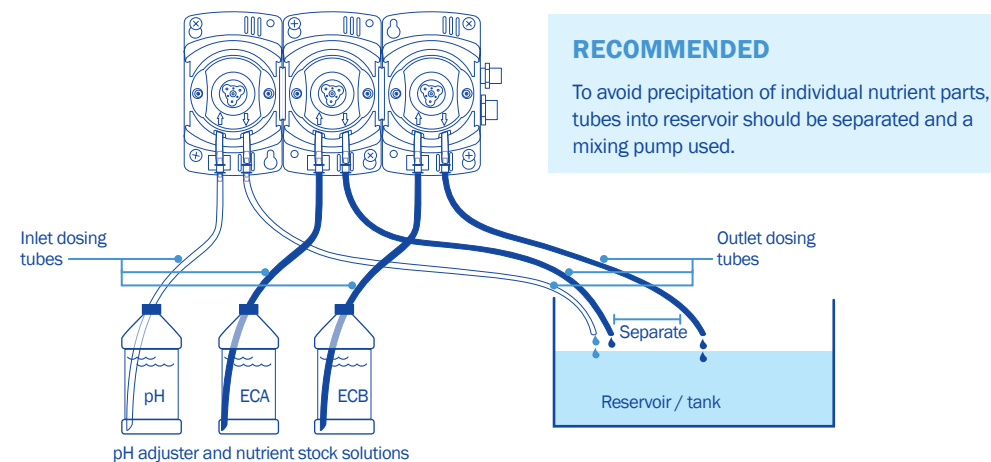
Bluelab® Connect™ - recommended system set up:

Data can be passed from one device to another to create a chain to expand the range of the network.
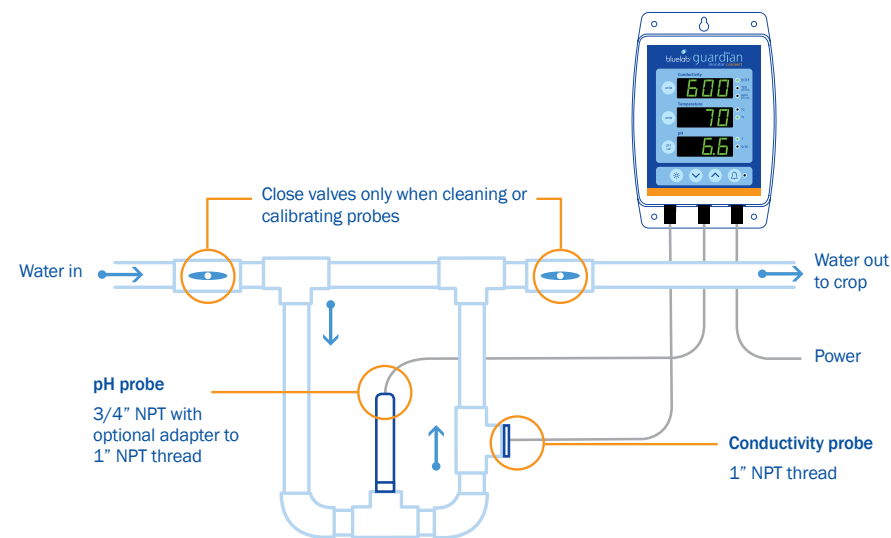

Data log to computer with Connect Stick
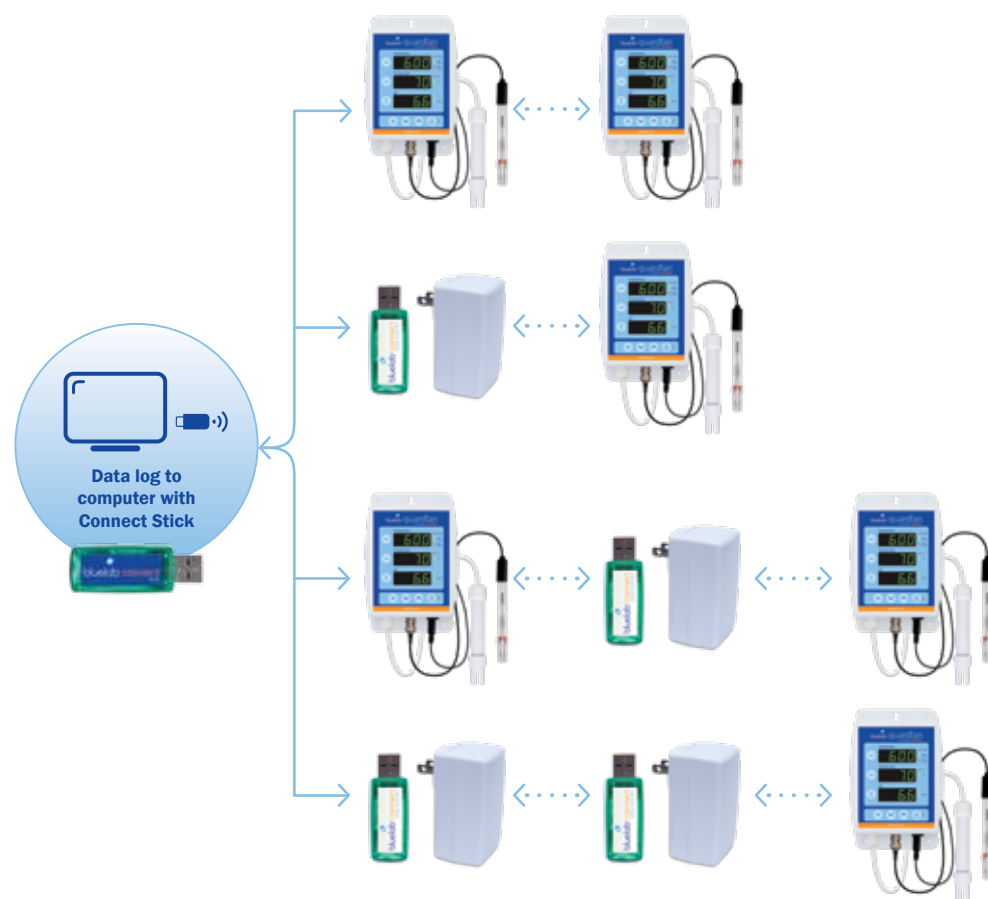
If the distance between two devices is too far for a wireless link to be formed, a Bluelab® Connect™ Range Extender can be placed between them. This effectively doubles communication distance. If required multiple Range Extenders can be placed in a chain.

Bluelab® Peripod™ - recommended system set up:

RECOMMENDED

To avoid precipitation of individual nutrient parts, tubes into reservoir should be separated and a mixing pump used.

Inlet dosing tubes

Outlet dosing tubes

Separate

Reservoir / tank

pH   ECA   ECB

pH adjuster and nutrient stock solutions

Bluelab® In-line Probes - recommended installation:

Adjust valve location to suit your system requirements.

Close valves only when cleaning or calibrating probes

Water in

Water out to crop

Power

pH probe

3/4" NPT with optional adapter to 1" NPT thread

Conductivity probe

1" NPT thread

Mounting the probes in this orientation ensures a consistent contact with the solution, and prevents sediment forming on the probe head.

Keep probes clean and calibrated with Bluelab® Care Kits and Solutions for more accurate readings.

Bluelab® probes and spare parts mean you don't need to replace the whole meter.

Solutions, Parts & Accessories

bluelab powerpod

Controlled mains switching box to use with a Bluelab® Pro Controller™

Electronic mains switching box designed to activate mains powered equipment. The Bluelab® PowerPod™ is an electronically controlled mains switching box that is designed to activate mains powered equipment via control signals from a Bluelab® Pro Controller.

The Bluelab® PowerPod™ is ideal for use when using a Bluelab® Pro Controller with third party mains powered pumps, heaters or coolers for temperature control.

Features

- 4 x mains power sockets (with included cable adapters, up to 8.5A max total output power)
- 110/240 V~, 50/60Hz compatible
- Adds temperature control to Bluelab® Pro Controller™ and some Bluelab® Dosetronic™ models[1]
- Compatible with Bluelab® Pro Controller™ and Bluelab® Dosetronic™ models[1]

Limited Product Guarantee 2 year with proof of purchase

CODE: POWERPOD

1 Email Bluelab Customer Support on: support@bluelab.com to use with a Bluelab® Dosetronic™

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bluelab carry case

Convenient, functional, protective

The Bluelab® Carry Case provides a custom fit so you can use and read your Bluelab® Meter right from the case.

A firm outer layer offers impact resistance for your Meter. There are two pockets in the top of the case specially made for the probes.

A removable and adjustable shoulder strap provides even more comfort and convenience. Simply zip up the Bluelab® Carry Case then tuck it away safely for storage or transport.

Features

- Firm outer casing for impact resistance
- Two custom pockets to insert Bluelab Probes
- Internal strap to tuck probe cables away tidily

Limited Product Guarantee 2 year with proof of purchase

CODE: METCARRYCASE

Note: Meter not included with case.

Optional Extras - for a complete growing system

Bluelab® External Lockout & Alarm Box

Limited Product Guarantee 2 year with proof of purchase

CODE: PROEXBOX

Use to connect the Bluelab® Pro Controller™ to external switches, for example - a float switch or a greenhouse alarm system.

When these switches are activated, Bluelab® Pro Controller™ is placed in lockout mode, so no further dosing will occur until reset. A beacon or buzzer can also be used when in lockout mode.

Bluelab® Sample Pot

Limited Product Guarantee 2 year with proof of purchase

CODE: SPOTKIT

Perfect for reservoirs located more than 2 metres / 6.6 feet from your controller unit.

Place probes directly into the chamber for direct measurement of nutrient solution.

Fittings included.

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bluelab in-line pH probe

A replacement probe for use with Bluelab® Guardian Monitor Connect In-line

3 metre / 10 foot cable

Limited Product Guarantee 1 year with proof of purchase

CODE: PROBPHIN

The Bluelab® In-line pH Probe can screw directly into female 1" NPT pipe fittings using the included adapter. Threaded probe head allows for simple installation direct into an irrigation line for effective in-line measurements.

The high pressure rated pH probe has a pressure rating of 7 bar pressure or 100 psi.

Features

- Liquid flow naturally clears the flat pH measurement surface
- High pressure probe, with faster reading response
- 3/4" NPT thread fits in-line mounting, use with 1" adapter
- Gel filled (non-refillable), double junction reference

bluelab®
pH probe

Replace the pH probe rather than the whole Bluelab® Meter

2 metre / 6.6 foot standard cable

Limited Product Guarantee
6 month
with proof of purchase

CODE: PROBPH

The Bluelab® pH Probe is a replacement pH probe suitable for use with all Bluelab products that use a BNC fitting.

pH probes have a limited lifespan, they age with everyday use. With proper care and use (keeping the probe tip hydrated and cleaning once a month) you can extend the probe life.

The pH probe tip should be stored in KCl solution to keep the probe hydrated.

Features

- Easy to clean
- Gel filled (non-refillable), double junction reference
- Waterproof cable joint
- Probe holder supplied - keeps probe secure

bluelab®
leap®
pH probe

Direct multimedia pH measurement for nutrient solution and root-zone

2 metre / 6.6 foot standard cable

Limited Product Guarantee
6 month
with proof of purchase

CODE: PROBPHLEAP

Reliably measure the pH level across a wide range of media. Suitable for use with all Bluelab® products that use a BNC connection.

The Bluelab® Leap™ pH Probe can be used by everybody from the home enthusiast through to more robust commercial applications. Team with Bluelab® Solutions.

Features

- Test more with a faster sensor response and direct measurements from substrates
- Multimedia friendly, for measurements across a range of environments
- Toughened spear tip for direct root-zone measurements

bluelab®
probe care kits

All the tools you need to care for Bluelab® probes

pH probe care

CODE: KITPH

Bluelab® pH Probe Care Kit Contents:

- 20ml / 0.67fl oz single-use Bluelab® Solution Sachets, 2 each of: pH 7.0 & 4.0 and KCl
- 3 plastic cups
- Bluelab® pH Probe Cleaner and toothbrush

Probe care is one of the most important parts of owning or operating any Bluelab® meter, monitor or controller.

A CLEAN PROBE is an accurate probe!

The probe surface is where the instrument takes the reading of the solution or soil/media.

If the probe face is dirty or contaminated, then the reading will be inaccurate.

Accurate readings help simplify crop management and provide improved growth.

Use Bluelab® Solutions to re-stock your probe care kit.

Conductivity probe care

CODE: KITCON

Bluelab® Conductivity Probe Care Kit Contents:

- 2x 20ml / 0.67fl oz single-use Bluelab® 2.77 EC Standard Solution Sachets
- 1 plastic cup
- Bluelab® Conductivity Probe Cleaner and chamois

pH & conductivity probe care

CODE: KITPHCON

Bluelab® pH & Conductivity Probe Care Kit Contents:

- 20ml / 0.67fl oz single-use Bluelab® Solution Sachets, 2 each of: pH 7.0 & pH 4.0, KCl and 2.77 EC
- 3 plastic cups
- Bluelab® pH Probe Cleaner and toothbrush
- Bluelab® Conductivity Probe Cleaner and chamois

bluelab® solutions

High quality solutions formulated for hydrating and calibrating probes

CODES: PH4500, PH4250, PH420

CODES: PH7500, PH7250, PH720

CODES: EC277500, EC277250

Calibration and conductivity standard solutions... a must in every grower's toolbox.

The Bluelab® calibration and conductivity standard solutions are essential for use with all Bluelab® products.

Bluelab® solutions are manufactured specifically for Bluelab® products and are referenced to high laboratory standards to ensure your Bluelab® products last longer and maintain accuracy.

Available sizes

- Bluelab® pH 4.0 Calibration Solution - 20ml / 0.67fl oz sachet, 250ml / 8.4fl oz bottle, 500ml / 16.9fl oz bottle

- Bluelab® pH 7.0 Calibration Solution - 20ml / 0.67fl oz sachet, 250ml / 8.4fl oz bottle, 500ml / 16.9fl oz bottle

- Bluelab® 2.77 EC Conductivity Standard - (27.7 CF, 1385 ppm 500 scale / 1939 ppm 700 scale) 250ml / 8.4fl oz bottle, 500ml / 16.9fl oz bottle

Bluelab® pH Probe KCl Storage Solution is the perfect solution to store and hydrate pH probes. pH probes are sensitive glass instruments which age through everyday use.

Bluelab® pH Probe KCl Storage Solution is made specifically for use with Bluelab® pH Probes and Pens. It is designed to increase response time and maximize the life of Bluelab® pH Pens and pH Probes. Add KCl solution to the cap of the pH pen/probe for storage after use and to hydrate a pH probe as needed. Instructions are on the label of the bottle.

Bluelab® pH Probe KCl Storage Solution is manufactured to high laboratory standards.

Note: Follow the manufacturer's instructions for use and care of your pH products.

CODE: STSOL250, STSOL100

Available sizes

- 100ml / 3.38fl oz bottle, 250ml / 8.4fl oz bottle

bluelab® pH up & pH down

Professional strength pH adjusters - optimum growth needs optimum pH

pH Down

CODES: PHDN1L, PHDN1G

pH Up

CODES: PHUP1L, PHUP1G

Only available in North America, due to shipping restrictions for these products.

If your pH isn't in the right range, and that's 5.5 - 6.5 for most plant varieties in hydroponics, your nutrients are likely wasted. Too high or too low, and you're in trouble. The result is nutrient deficiency or complete nutrient lockout. A sure way to unhappy, unhealthy - even dying - plants.

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 adjust pH levels, whenever you need, and keep them just where they should be.

Bluelab® pH Up and Down Solutions are formulated to the highest standards. Just add what's required to increase or reduce pH. Your plants will thank you for it. The main thing is, you'll see the difference in your harvest.

Features

- Bluelab® pH Down Solution - 35% w/w Phosphoric Acid
- Bluelab® pH Up Solution - 35% w/w Potassium Hydroxide
- Premium quality acid concentration
- Use to adjust nutrient solutions to the optimum range of pH
- Improve nutrient availability to plants
- Easy to use in any growing system from hobby to commercial
- Manufactured to laboratory standards
- Use undiluted with Bluelab® pH Controller and Bluelab® pH Controller Connect™

Available sizes

- Bluelab® pH Up Solution - 1 US Liter, 1 US gallon
- Bluelab® pH Down Solution - 1 US Liter, 1 US gallon

Replacement parts for Bluelab® monitors & controllers

Power Supplies

	PWRSGUAR	Bluelab® Guardian Monitor power supply 5 V 1 Amp
	660016	Bluelab® pH Controller Power Supply or Bluelab® Pro Controller (24 V 0.4 Amp)
	660001	Bluelab® PeriPod™ power supply M3, M4, L3 (24 V 2.05 Amp)
	660000	Bluelab® PeriPod™ power supply L - requires cable with country specific plug also. Bluelab® PeriPod™ L4 only, coming soon
	500025	NZ cable with country specific plug for Bluelab® PeriPod™ L4, coming soon
	500022	USA cable with country specific plug for Bluelab® PeriPod™ L4, coming soon
	500023	UK cable with country specific plug for Bluelab® PeriPod™ L4, coming soon
	500043	EU cable with country specific plug for Bluelab® PeriPod™ L4, coming soon

Pumps

	PUMPCONT-L	Replacement cassette with Large pump (1200ml) pump complete with PharMed tubing and female barb - replacement for Bluelab® PeriPod™ L3 or L4, coming soon
	PUMPCONT-M	Replacement cassette with medium pump (120mls) - replacement for Bluelab® PeriPod™ M3 or M4
	PUMPCASS-SM	Replacement small or medium cassette only - suitable for Bluelab® pH Controller or Bluelab® PeriPod™ M
	PUMPCASS-L	Replacement Large cassette only - suitable for Bluelab® PeriPod™ L
	PUMPCONT-S	Replacement cassette with small pump (10 ml / min) replcement for Bluelab® pH Controller only

Tubing

	TUBEACID-L	Bluelab® Acid (white tubing) suitable for Bluelab® PeriPod™ L series 4m
	TUBEACID-SM	Bluelab® Acid tubing suitable for Bluelab® PeriPod™ M series (complete with joiners) 4m
	TUBENUT-L	Bluelab® Nutrient black tubing suitable for Bluelab® PeriPod™ L series (complete with joiners) 4m

Replacement parts for Bluelab® monitors & controllers

Tubing continued...

	TUBENUT-SM	Bluelab® Nutrient black tubing suitable for Bluelab® PeriPod™ M series (complete with joiners) 4m
	CONTTUBE	Acid tubing for use with pH Controller only (complete with joiners) 4m

Probes

	PROBTEMP	Temp probe used in Bluelab® Pro Controller or Bluelab® pH Controller
	PROBPCEC	EC probe for Bluelab® Pro Controller
	PROBPHINLINE	Bluelab® In-line pH Probe
	PROBPH	Bluelab® pH Probe 2m
	PROBPHLEAP	Bluelab® Leap pH Probe for use with Bluelab® Multimedia Meter 2m

Other

	PHPROBECAP	Screw type storage cap for Bluelab® pH Probes
	PHSPEARCAP	Black storage cap for Bluelab® Leap pH Probes
	PROEXBOX	Bluelab® External Lockout and Alarm Box
	PROBHOLD	Suction cup holder for Bluelab® pH Probe
	500013	Alarm cable
	500005	Dosing cable for Bluelab® PeriPod™ and Bluelab® PowerPod (from Bluelab® Pro Controller)
	SPOTKIT	Bluelab® Sample Pot complete with fittings

answers
at your
fingertips

success by simplicity

Let's Talk
If you need assistance or advice,
we're here to help.

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Limited Written Guarantee

The Bluelab® product range all come
with a limited written guarantee.
Proof of purchase required.