

The image features a blue curved banner at the top containing the 'Blueelab' logo in white. The background is a close-up photograph of fresh green leafy vegetables, possibly baby spinach, with numerous water droplets on their surfaces, set against a blurred background of more greens.

Blueelab

2024

Product Catalogue

blueelab.com

Message from our **CEO**

Welcome to our 2024-2025 Product Guide. Inside, you'll find our full list of products and accessories designed not only for durability and harsh growing conditions but also to remove doubt and ambiguity so that growers can be more profitable and successful.

This year, we are excited to include our new Edenic software and OnePen in the Product Catalogue. Edenic software is accessible on your mobile and laptop, giving you real-time monitoring and control from anywhere. With easy-to-use features and graphs, we deliver comprehensive data to empower you to achieve better results. Edenic has a public API allowing integration across your applications. Look for the Edenic icon to know which products are accessible anywhere, anytime.

The OnePen is the most durable and versatile handheld we've developed, exceeding our quality standards to give you an instrument pen that will last years. With replacement probes, we designed OnePen to be the last Pen handheld you'll need to buy. In addition, OnePen is our first Pen handheld that is compatible with Edenic, allowing you to track historical trends, upload images to improve future growth and digitise the clipboard.

We are honoured to be part of your growing journey and be the grower's choice for measurement tools. Thank you for trusting us to be your partner; there's nowhere else we'd rather be.



Jono Jones
CEO



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Trusted **by growers**

Bluelab has been the trusted tool for growers committed to exceptional crops for generations. We empower you to master the art of growing with the insights needed to make informed decisions in controlled environments. Whether you're a home grower or a commercial cultivator, our products measure, monitor, and control nutrient solutions and root zones.

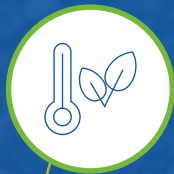
From New Zealand to the world

As a global company, we bring inspiration and innovations from the Bay of Plenty, New Zealand, a region known for its vital role in the nation's horticultural success.



Introducing the **Bluelab product suite**

Bluelab sets the industry standard for Controlled Environment Agriculture (CEA), offering everything from automated systems to handheld measurement tools for precise pH, irrigation, and dosing management.



Control and Automate

Better dosing and climate control

Set, monitor and manage key parameters, remotely or on-site with our range of controllers.



Monitor

Peace of mind

Continuous monitoring of critical parameters for successful growing, whether remotely or on-site. Monitor pH, conductivity, and temperature to ensure your plants stay within range with Bluelab monitors.



Measure

Spot-check with handhelds

Portable, easy to use and accurate, the Bluelab handheld range equips growers with a compact and quick way to measure key parameters for optimum crop health.



Pens

Experience effortless precision with Bluelab's Pen range. These compact and durable tools deliver quick and accurate measurements, empowering you to optimise your growing environment.

Whether you're a seasoned cultivator or a budding enthusiast, Bluelab Pens provide essential insights.



PENPH

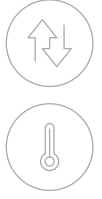
Bluelab pH Pen

A compact meter for quick and easy pH and temperature readings in solution.

Help manage crop health by ensuring optimal nutrient uptake through accurate pH measurements. Pair it with our Bluelab Conductivity Pen for a complete measurement system.

Features

- ✓ Compact handheld design for convenient use
- ✓ Bright, easy-to-read backlit display
- ✓ Double-junction pH probe for accurate measurements
- ✓ Simple 2-point pH calibration with a 30-day reminder
- ✓ Read temperature in °C or °F
- ✓ Waterproof and floats in any solution



Specifications

Technical	pH	Range	Resolution	Accuracy at 25°C / 77°F
	°C / °F	0.0–14.0 0–50 / 32–122	0.1 1 / 1	±0.1 ±1 / ±2
Operating Environment	Solution 0.2 EC and above 0–50°C / 32–122°F (Do not use or store outside this temperature range)			
General	Power 1x AAA alkaline battery	Warranty Detail* Comes with a 1-year limited warranty		
Box Contents	Equipment 1x Bluelab pH Pen	Solution Sachets, 18 ml / 0.6 fl.oz. 1x Bluelab pH 7.0 Calibration Solution, single-use 1x Bluelab pH 4.0 Calibration Solution, single-use 1x Bluelab KCl Storage Solution		

PENCON

Bluelab Conductivity Pen

An accurate and reliable conductivity (EC) and temperature pen.

Measure nutrient levels and temperature to create the best nutrient environment for your plant's growth. Maintaining optimal nutrient levels can reduce nutrient burn or stunted growth. It is compact, easy to use and ensures optimal crop health with Automatic Temperature Compensation (ATC). Pair it with our Bluelab pH Pen for a complete measurement system.

Features

- ✓ Compact handheld design for convenient use
- ✓ Bright, easy-to-read backlit display
- ✓ Measures conductivity in EC, ppm 500 (TDS), or ppm 700
- ✓ Factory calibrated and ready to use immediately
- ✓ Read temperature in °C or °F
- ✓ Waterproof and floats in any solution



Specifications

Technical	°C / °F	Range	Resolution	Accuracy at 25°C / 77°F
	EC	0-50 / 32-122	1 / 1	±1 / ±2
	ppm 500 (TDS)	0.0-10.0	0.1	± 0.1
	ppm 700	0 - 5000	10	± 50
		0 - 7000	10	± 70
Operating Environment	Solution			
	0 - 50 °C / 32 - 122 °F (Do not use or store outside this temperature range)			
General	Power		Warranty Detail*	
	1x AAA alkaline battery		Comes with a 1-year limited warranty	
Box Contents	Equipment			
	1x Bluelab Conductivity Pen			

PENSTP

Bluelab pH and Conductivity Starter Pack

Everything you need to get started, including pH and conductivity pens, plus essential care products.

Take the guesswork out of your grow solution. The Bluelab Starter Pack includes both our pH and conductivity (EC) pens for a complete handheld measurement system. The conductivity pen is ready to use, while the pH pen calibrates quickly for accurate nutrient control.

This kit combines the Bluelab pH Pen and Bluelab Conductivity Pen. For product features and specifications please see these pages.



Specifications

<p>General</p>	<p>Power 2x AAA alkaline battery</p>	<p>Warranty Detail* Comes with a 1-year limited warranty</p>
<p>Box Contents</p>	<p>Equipment 1x Bluelab pH Pen 1x Bluelab Conductivity Pen 1x Toothbrush 1x Chamois 1x Bluelab pH Probe Cleaner, 30 ml / 1 fl.oz. 1x Bluelab Conductivity Probe Cleaner, 30 ml / 1 fl.oz.</p>	<p>Solution Sachets, 18 ml / 0.6 fl.oz. 2x Bluelab pH 7.0 Calibration Solution, single-use 2x Bluelab pH 4.0 Calibration Solution, single-use 2x Bluelab KCl Storage Solution 2x Bluelab 2.77 EC Conductivity Standard, single-use</p>

PENSOILPH

Bluelab Soil pH Pen

Know what's going on at the root zone. Measures soil pH and temperature for optimal plant health.

The Bluelab Soil pH Pen simplifies soil pH testing. It measures pH and temperature directly in soil, coco coir, rockwool, or nutrient solutions, eliminating the need for messy soil slurries. This handheld device ensures accurate readings for optimal plant health.

Features

- ✓ Robust, dual-purpose storage cap/dibber to take measurements directly from the root zone
- ✓ Compact handheld design for convenient use
- ✓ Bright, easy-to-read backlit display
- ✓ Double-junction pH probe for accurate measurements
- ✓ Simple 2-point pH calibration with a 30-day reminder
- ✓ KCl-filled storage cap/dibber keeps the pH probe hydrated
- ✓ Waterproof design allows easy switching between soil and nutrient solution



Specifications

Technical	pH	Range	Resolution	Accuracy at 25°C / 77°F
	°C / °F	0.0–14.0 0–50 / 32–122	0.1 1 / 1	±0.1 ±1 / ±2
Operating Environment	Soil, substrate and solution 0.2 EC and above 0–50°C / 32–122°F (Do not use or store outside this temperature range)			
General	Power 1x AAA alkaline battery	Warranty Detail* Comes with a 1-year limited warranty		
Box Contents	Equipment 1x Bluelab Soil pH Pen	Solution Sachets, 18 ml / 0.6 fl.oz. 1x Bluelab pH 7.0 Calibration Solution, single-use 1x Bluelab pH 4.0 Calibration Solution, single-use 1x Bluelab KCl Storage Solution		

PENONE

Bluelab OnePen

A pH, conductivity and temperature measurement tool for nutrient solutions.

This 3-in-1 tool measures pH, conductivity (EC), and temperature, optimising nutrient uptake. Connect to the Edenic app via Bluetooth for real-time sharing, updates, and comprehensive data management.

Features

- ✓ Replaceable, double-junction pH probe and titanium conductivity (EC) electrodes
- ✓ Compact, ergonomic design
- ✓ Bright, easy-to-read backlit display with simultaneous pH and conductivity (EC) readings
- ✓ Precise readings with 0.01 pH resolution
- ✓ Probe health indicator
- ✓ Simple 2-point pH calibration
- ✓ Read temperature in °C or °F
- ✓ Measures conductivity in EC, mS/cm, CF, ppm 500 (TDS), or ppm 700
- ✓ IP68 rated (dust and waterproof)

When connected to Edenic app

- ✓ View measurements remotely through the app or browser
- ✓ Real-time data sharing and software updates

Specifications

Technical	pH	0.0–14.0	0.01	± 0.05
	°C / °F	0–50 / 32–122	0.1 / 0.1	±1 / ±1
	EC or mS/cm	0 - 10	0.01	± 0.1
	CF	0 - 100	0.1	± 1
	ppm 500 (TDS)	0 - 5000	10	± 50
	ppm 700	0 - 7000	10	± 70
Operating Environment	0 – 50 °C / 32 – 122 °F (Do not use or store outside this temperature range)			
General	Power 2x AAA alkaline battery	Warranty Detail* Comes with a 2-year limited warranty for the Bluelab OnePen; 6-months for the Bluelab OnePen Replacement Probe		
Box Contents	Equipment 1x Bluelab OnePen with Replaceable pH, Conductivity (EC), and Temperature Probe 1x Bluelab Sensor Cleaning Brush	Solution Sachets, 18 ml / 0.6 fl.oz. 1x Bluelab pH 7.0 Calibration Solution, single-use 1x Bluelab pH 4.0 Calibration Solution, single-use 1x Bluelab KCl Storage Solution		



Your Grow System Control Centre

Effortlessly manage your growing environment with Edenic and Bluelab – real-time monitoring, insights, and control of compatible devices.



Precision Cultivation:

Track key factors, identify emerging trends, make data-driven decisions, and optimise yields.



Expand Your System:

Edenic's open API enables seamless integration with wider systems, allowing it to become a data source for a more holistic view across platforms.



Centralised Control:

Centrally manage your devices for streamlined control and live tracking of your system's vital data. Gain a holistic view of your compatible Bluelab devices, enabling data-driven optimisation and effortless management.



Early Problem Detection:

Real-time monitoring and alerts allow you to identify potential problems early, such as fluctuations in pH or temperature, preventing them from escalating and harming your plants.



PENONE



BGUSTD02



BCTIND01 via BMCINL01



BCTPHC02



24/7 Monitoring

Real-time Alerts

Grow Journal

Remote Control

Crop Scheduling

Public API

History Reporting



Remote troubleshooting:

Remotely diagnose and make changes to your system when encountering issues away from home or the workplace, saving time, effort, and ensuring worry-free management.



Ditch the pen and paper:

Write observations, store photos and video, and capture measurements from spot-checks directly with your connected handhelds.



BCTPRC02

Available on desktop, tablet and mobile. Learn more edenic.io



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Meters

At Bluelab, you can find a range of handheld digital meters that measure the most important parameters for growing healthy plants. Measuring conductivity, pH and much more, our versatile meters can be used in a variety of growing media. Discover your ideal meter today.



TRUNV2

Bluelab Truncheon Nutrient Meter


The original and industry-standard nutrient meter, trusted by growers worldwide for accurate and reliable readings.

Ensure your plants get optimal nutrients with the Bluelab Truncheon Nutrient Meter. Simply dip it in, and flashing lights provide precise readings adjusted for temperature, displaying CF, EC, PPM 500, and PPM 700 effortlessly. Built tough and waterproof, these meters require no calibration, making them ideal for hassle-free use while stirring your nutrient solution.

Features

- ✓ Robust, reliable, and waterproof construction for long-lasting value
- ✓ Automatically detects liquids, and bright LEDs indicate reading for brilliantly simple functionality
- ✓ Long-format design for mixing and measuring nutrient reservoirs simultaneously
- ✓ No calibration required, and easy to clean and disinfect
- ✓ Measure conductivity in EC, CF, PPM 500 (TDS) or PPM 700





Extended range / TRUNCOMV2

Measure up to 6.0 EC, 60 CF, 3000 ppm 500 or 4200 ppm 700

The Bluelab Commercial Truncheon Nutrient Meter is ideal for hydroponic setups that require stronger nutrient solutions during certain growth stages.

Specifications

Technical	Units	Resolution	Accuracy at 25°C / 77°F
EC	0.2 – 3.6	0.1	± 0.1
CF	2 – 36	1	± 1
ppm 500 (TDS)	100 – 1800	50	± 50
ppm 700	140 – 2520	70	± 70

Operating Environment	Solution
	0 – 50 °C / 32 – 122 °F (Do not use or store outside this temperature range)

General	Power	Warranty Detail*
	3x AA alkaline battery	Comes with a 5-year limited warranty

Box Contents	Equipment
	1x Bluelab Truncheon Nutrient Meter

METCOM

Bluelab Combo Meter

Measure pH, conductivity and temperature on the go.

Bluelab Combo Meter measures conductivity (EC), temperature, and pH with a clear display and easy-to-use buttons. Portable and battery-powered, take reliable readings anywhere to keep your plants flourishing.

Features

- ✓ Compact handheld design for convenient use
- ✓ Bright, easy-to-read backlit display
- ✓ Replaceable Bluelab pH Probe (with BNC connection)
- ✓ Simple 2-point pH calibration with a 30-day reminder
- ✓ Reads temperature in °C or °F
- ✓ Measures conductivity in EC, CF, ppm 500 (TDS), or ppm 700
- ✓ The conductivity Probe is factory-calibrated and ready to use immediately
- ✓ KCl-filled pH probe cap to keep the pH probe hydrated
- ✓ 2 metre / 6.6ft cables for measuring in hard-to-reach locations



Root zone pH / METCOMPLUS

Get fast direct root zone measurements with the Bluelab Combo Meter with Leap pH Probe.

Specifications

Technical	Range	Resolution	Accuracy at 25°C / 77°F
pH	0.0 – 14.0	0.1	± 0.1
°C / °F	0 – 50 / 32 – 122	1 / 1	±1 / ±2
EC	0.0 – 9.9	0.1	± 0.1
CF	0.0 – 99	1	± 1.0
ppm 500 (TDS)	0 – 4950	10	± 50
ppm 700	0 – 6930	10	± 70

Operating Environment	Solution
	0 – 50 °C / 32 – 122 °F (Do not use or store outside this temperature range)

General	Power	Warranty Detail*
	2x AAA alkaline battery	Comes with a 5-year limited warranty; 6-months for the Bluelab pH Probe

Box Contents	Equipment	Solution Sachets, 18 ml / 0.6 fl.oz.
	1x Bluelab Combo Meter with Conductivity / Temperature Probe 1x Bluelab pH Probe 1x Bluelab pH Probe holder with suction cup	1x Bluelab pH 7.0 Calibration Solution, single-use 1x Bluelab pH 4.0 Calibration Solution, single-use 1x Bluelab KCl Storage Solution

METMULTI

Bluelab Multimedia pH Meter

Fast and accurate pH measurements from the palm of your hand.

Get fast, precise pH readings in various growing media, including hydroponics, soil, and coco coir. Its durable spear-tip probe allows direct root-zone measurements, while the simple two-point calibration ensures ongoing accuracy.

Features

- ✓ Compact handheld design for convenient use
- ✓ Bright, easy-to-read backlit display
- ✓ Replaceable Bluelab Leap pH Probe with toughened spear-tip for direct measurements
- ✓ Multimedia-friendly for measurements across a range of environments
- ✓ Simple 2-point pH calibration with a 30-day reminder
- ✓ KCl-filled probe cap to keep the pH probe hydrated
- ✓ 2 metre / 6.6ft cable for measuring in hard-to-reach locations



Specifications

Technical	pH °C / °F	Range 0.0 – 14.0 0 – 50 / 32 – 122	Resolution 0.1 1 / 1	Accuracy at 25°C / 77°F ± 0.1 ±1 / ±2
Operating Environment	Solution 0 – 50 °C / 32 – 122 °F (Do not use or store outside this temperature range)			
General	Power 2x AAA alkaline battery		Warranty Detail* Comes with a 5-year limited warranty; 6-months for the Bluelab pH Probe	
Box Contents	Equipment 1x Bluelab Multimedia pH Meter 1x Bluelab Leap pH Probe 1x Dibber (Auger)		Solution Sachets, 18 ml / 0.6 fl.oz. 1x Bluelab pH 7.0 Calibration Solution, single-use 1x Bluelab pH 4.0 Calibration Solution, single-use	

METPULSE

Bluelab Pulse Multimedia EC/MC Meter

Optimise water and nutrient consumption and manage your irrigation cycles by monitoring what is happening at the root zone of your plants. Go beyond single-point readings.

The Bluelab Pulse Meter is a next-level, Bluetooth soil sensor that connects seamlessly to your smartphone for quick and easy plant analysis. Ditch the guesswork and say goodbye to messy pour-throughs and time-consuming extractions. The Pulse Meter delivers vital root zone readings for moisture, conductivity (EC), and temperature.

Features

- ✓ Measure conductivity (EC), moisture and temperature in a single click
- ✓ Robust 8"/200 mm long-format stainless steel probes provide deeper insights
- ✓ Works in a variety of growing substrates and nutrient solution
- ✓ Quick in- or out-of-range measurement indication LEDs on the device
- ✓ View, store and analyse all your measurements in the Bluelab Pulse app
- ✓ The app is available in English, Spanish, Dutch, German and Korean

Specifications

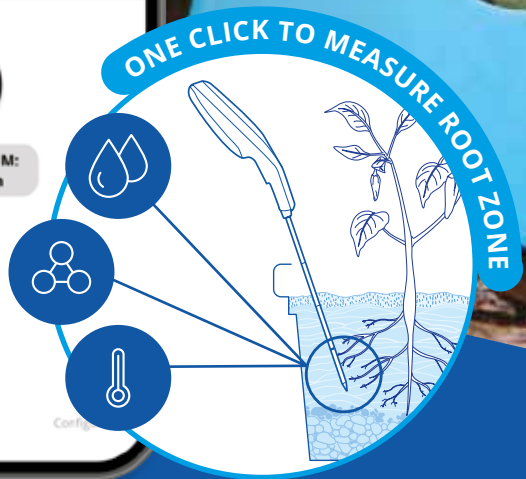
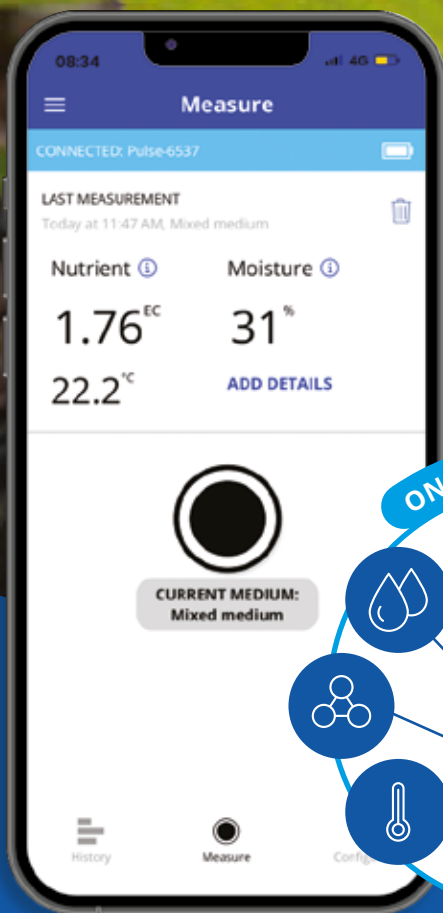
Technical	Range	Accuracy at 25°C / 77°F
°C / °F	5 - 40 / 40 - 104	±1 / ±2
EC	0 - 15	0.0 - 5.0 ± 0.2* 5.0 - 15.0 ± 8%*
MC _{vol}	5% - 70% (mixed media and coir)	± 5%**
* Measured in KCl solution at 20°C / 68°F in a 270mm high, 10 litre / 2.6 gallon container.		
** Measured in coir, bark, peat and pumice mixed media that the Bluelab Pulse was calibrated to at 20°C in a 150 mm dia x 250 mm high vessel.		
Operating Environment	Minimum pot size 2 litre / 0.5 gallon Works with Android, iOS with Bluetooth 4.0+	Does not work in media with large voids (i.e. Perlite), or media that can be permanently distorted (i.e. Rockwool)
General	Power 1x AA alkaline battery	Warranty Detail* Comes with a 1-year limited warranty
Box Contents	Equipment 1x Bluelab Pulse Meter 1x Depth Gauge and Probe Tip Cover 1x Miniature Phillips screwdriver	





Know what's happening in the root zone*

Moisture, conductivity (EC), and temperature in a single click.



Learn more. bluelab.com

* Does not work in media with large voids (e.g. Perlite), or media which can be permanently distorted (e.g. stone wool/Rockwool).

Monitors

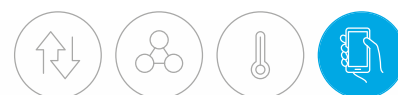
Bluelab's Monitor range is designed to provide growers with essential real-time data for optimal plant health. By continuously tracking critical parameters, these monitors empower cultivators to make informed decisions and achieve maximum yield.

With precise measurement and user-friendly displays, Bluelab monitors offer a reliable and efficient way to manage your growing environment.



BGUSTD02

Bluelab Guardian Monitor Wi-Fi



Your key growing parameters - at a glance, anywhere, any time.

The Bluelab Guardian Monitor Wi-Fi keeps you informed about the three key factors for healthy growth: pH, conductivity, and temperature. With a quick glance at the display or your smartphone (via the Edenic app - learn more at Edenic.io), you'll have all the data you need to optimize your nutrient solution throughout every growing stage.

Features

- ✓ Connects to Edenic app. Real-time monitoring, control, alerts, and insights directly on your phone.
- ✓ Built-in Wi-Fi (with option to disable)
- ✓ High/low pH, temperature and conductivity alarms
- ✓ Non-volatile memory – keep settings through power loss
- ✓ Plant-safe green LEDs with adjustable display brightness
- ✓ 2 metre / 6.6 foot measurement probe cables
- ✓ 110 – 240 VAC (Mains powered)
- ✓ Replaceable Bluelab pH Probe (with BNC connection)



Inline Option / BGUNLN02

Continuously monitor pH, nutrient levels and temperature in reservoirs or in-line systems, with the Bluelab Guardian Monitor Inline Wi-Fi.

Specifications

Technical	Range	Resolution	Accuracy at 25°C / 77°F
pH	0.0-14.0	0.1	± 0.1
°C / °F	0-50 / 32-122	1 / 1	±1 / ±2
EC	0.0 - 5.0	0.1	± 0.1
CF	0 - 50	1	± 1.0
ppm 500 (TDS)	0 - 2500	10	± 50
ppm 700	0 - 3500	10	± 70

Operating Environment 0 – 50 °C / 32 – 122 °F
(Do not use or store outside this temperature range)

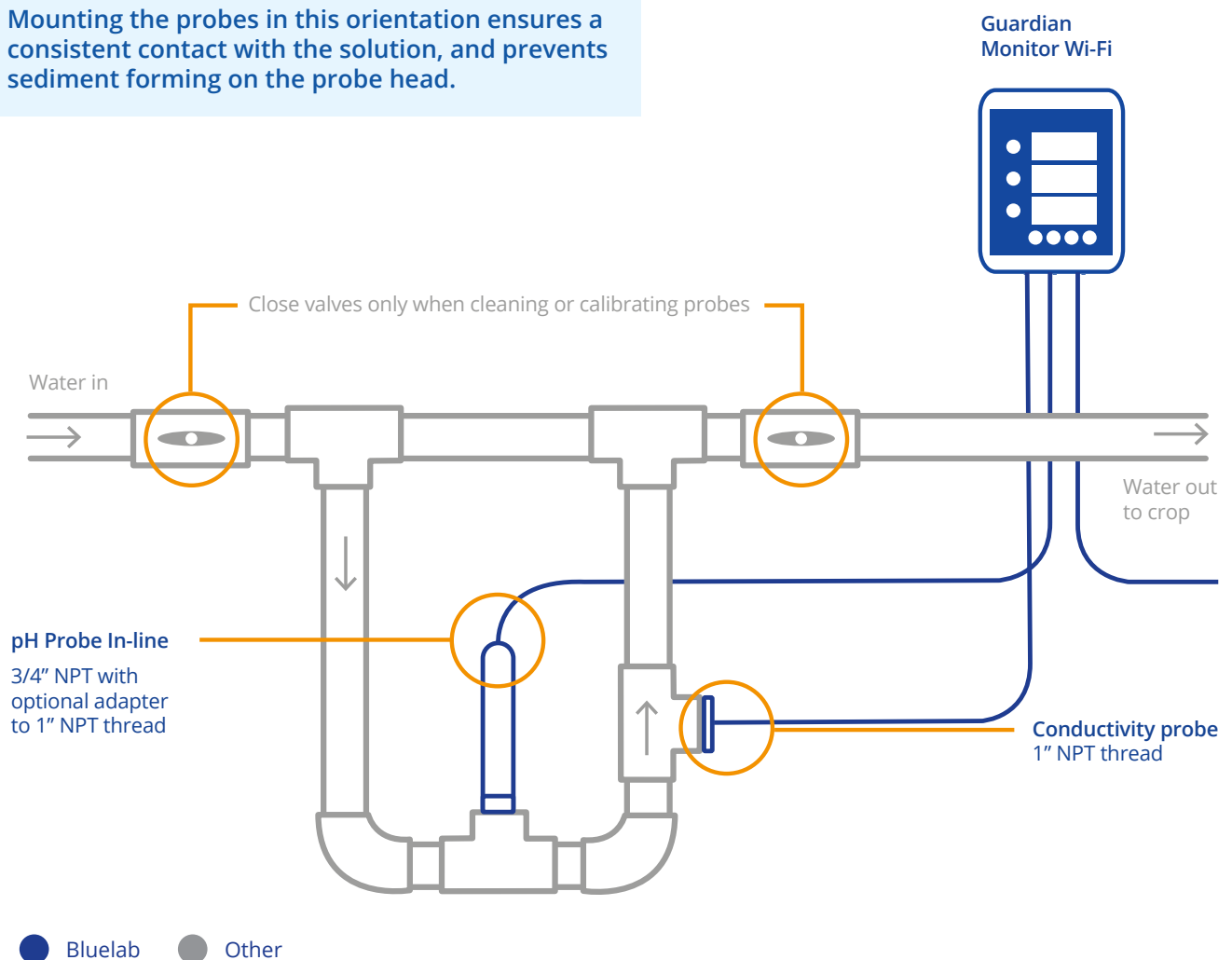
General	Power	Warranty Detail*
	International power supply, Input 100 to 240 VAC, 50 / 60 Hz, Output 5 VDC 1.5 A. With Type A (USA), C (Europe), G (UK), I (NZ) interchangeable connectors. Power source 100 - 240 VAC (50 - 60 Hz)	Comes with a 2-year limited warranty; 6-months for the Bluelab pH Probe

Box Contents	Equipment	Solution Sachets, 18 ml / 0.6 fl.oz.
	1x Bluelab Guardian Monitor Wi-Fi with Conductivity / Temperature Probe 1x Bluelab pH Probe 1x Bluelab pH Probe holder with suction cup	4x Plug adapters (North America, Europe, UK and Australia/NZ) 4x Mounting screws 2x Cable ties
		1x Bluelab pH 7.0 Calibration Solution, single-use 1x Bluelab pH 4.0 Calibration Solution, single-use 1x Bluelab KCl Storage Solution

Bluelab In-line Probes - Recommended Installation:

Adjust valve location to suit your system requirements.

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





Controllers

Bluelab Controllers offer precision and automation for growers. Designed to optimise plant growth and yield, these controllers provide real-time monitoring and control of essential environmental factors. By automating key functions, Bluelab Controllers free up your time while ensuring optimal conditions for your plants.



BCTPHC02

Bluelab pH Controller Wi-Fi



Set and automatically maintain pH levels in reservoirs. Auto-dose pH up or down.

The Bluelab pH Controller Wi-Fi simplifies maintaining perfect pH levels in your hydroponic setup. Its built-in pump delivers precise adjustments within 0.1 pH, and optional Wi-Fi lets you monitor and control everything remotely via the Edenic app. Easy setup with Automatic Temperature Compensation (ATC) ensures accurate readings. Simply set your target pH and let the controller handle the rest, freeing you up for other tasks.



Features

- ✔ Connects to Edenic app. Real-time monitoring, control, alerts, and insights directly on your phone.
- ✔ Built-in Wi-Fi (with option to disable)
- ✔ Safety lockouts prevent excessive dosing
- ✔ Auto-resume dosing after power loss
- ✔ Precision dosing of pH adjuster with the built-in Bluelab peristaltic pump
- ✔ Controls pH in the up (alkali) or down (acid) direction
- ✔ High/low alarms to alert you when parameters are out of range
- ✔ Dosing routine allows for effective mixing before next dose
- ✔ 2-m/6-ft cable lengths for best positioning and viewing
- ✔ Variable speed pump built in. Maximum 120 ml/min (4.06 fl oz)
- ✔ Read temperature in °C or °F

Specifications

Technical		Range	Resolution	Accuracy at 25°C / 77°F
	pH	0.0-14.0	0.1	±0.1
	°C / °F	0-50 / 32-122	1 / 1	±1 / ±2

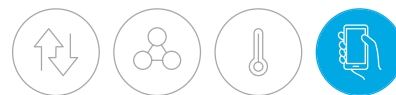
Operating Environment 0-50°C / 32-122°F
(Do not use or store outside this temperature range)

General	Power	Warranty Detail*
	International power supply, Input 100 to 240 VAC, 50 / 60 Hz, Output 5 VDC 1.5 A. With Type A (USA), C (Europe), G (UK), I (NZ) interchangeable connectors. Pump flow rate 120 ml/min, 4.06 fl.oz/min	Comes with a 2-year limited warranty; 6-months for the Bluelab pH Probe

Box Contents	Equipment	Solution Sachets, 18 ml / 0.6 fl.oz.
	1x Bluelab pH Controller Wi-Fi 1x Getting started guide 1x Bluelab pH Probe 1x Bluelab Temperature Probe 1x Bluelab pH Probe holder with suction cup 1x Acid resistant (PTFE) tubing 4 m (13') 2x Straight joiners (PVDF) 1/8" 4x Mounting screws	1x Bluelab pH 7.0 Calibration Solution, single-use 1x Bluelab pH 4.0 Calibration Solution, single-use

BCTPRC02

Bluelab Pro Controller Wi-Fi



Full nutrient dosing system. Take control of pH and nutrient levels in reservoirs. Auto-dose up to 12 different nutrients and pH up or down.

The Bluelab Pro Controller Wi-Fi simplifies hydroponic reservoir management with automatic pH/nutrient dosing via Bluelab PeriPod's and remote monitoring through the Edenic app. Fine-tune your grow with customisable settings, precise 0.1 pH/EC control, and temperature management (with Bluelab PowerPod's sold separately) for optimal plant health and confident growing.



Features

- ✔ Connects to Edenic app. Real-time monitoring, control, alerts, and insights directly on your phone.
- ✔ Built-in Wi-Fi (with option to disable)
- ✔ Monitor and automate nutrient and pH dosing in reservoirs when paired with Bluelab PeriPod dosers
- ✔ Replaceable probes for pH (BNC connection), Temperature and Conductivity measurements
- ✔ Safety lockouts prevent excessive dosing
- ✔ Auto-resume dosing after power loss
- ✔ Multi-part nutrient dosing possible with multiple PeriPods
- ✔ Controls pH in the up (alkali) or down (acid) direction
- ✔ Visual high and low alarms to alert you when parameters are out of range
- ✔ Dosing routine allows for effective mixing before next dose
- ✔ 2 m (6-ft) cable lengths for best positioning and viewing

Specifications

Technical	Range	Resolution	Accuracy at 25°C / 77°F
pH	0.0 - 14.0	0.1	± 0.1
°C / °F	0 - 50 / 32 - 122	1 / 1	±1 / ±2
EC	0 - 5.0	0.1	± 0.1
CF	0 - 50	1	± 1
ppm 500 (TDS)	0 - 2500	10	± 50
ppm 700	0 - 3500	10	± 70

Operating Environment 1 - 50 °C / 32 - 122 °F
(Do not use or store outside this temperature range)

General	Power	Warranty Detail*
	International power supply, Input 100 to 240 VAC, 50 / 60 Hz, Output 5 VDC 1.5 A. With Type A (USA), C (Europe), G (UK), I (NZ) interchangeable connectors.	Comes with a 2-year limited warranty; 6-months for the Bluelab pH Probe

Box Contents	Equipment	Solution Sachets, 18 ml / 0.6 fl.oz.
	1x Bluelab Pro Controller Wi-Fi 1x Getting started guide 1x Bluelab Conductivity Probe 1x Bluelab pH Probe 1x Bluelab pH Probe holder with suction cup 1x Bluelab Temperature Probe 1x Bluelab External Lockout and Alarm Cable 4x Mounting Screws	3x Bluelab pH 7.0 Calibration Solution, single-use 3x Bluelab pH 4.0 Calibration Solution, single-use 3x Bluelab KCl Storage Solution

Recommended Install Diagram

The Bluelab Pro Controller Wi-Fi, Bluelab PeriPod and their accessories can be used in wide range of growing systems to automate nutrient and pH levels in nutrient reservoirs. Growing systems vary greatly; use this as an indicative guide to set up your system.

Typical system setups

Drain to Waste (DTW)

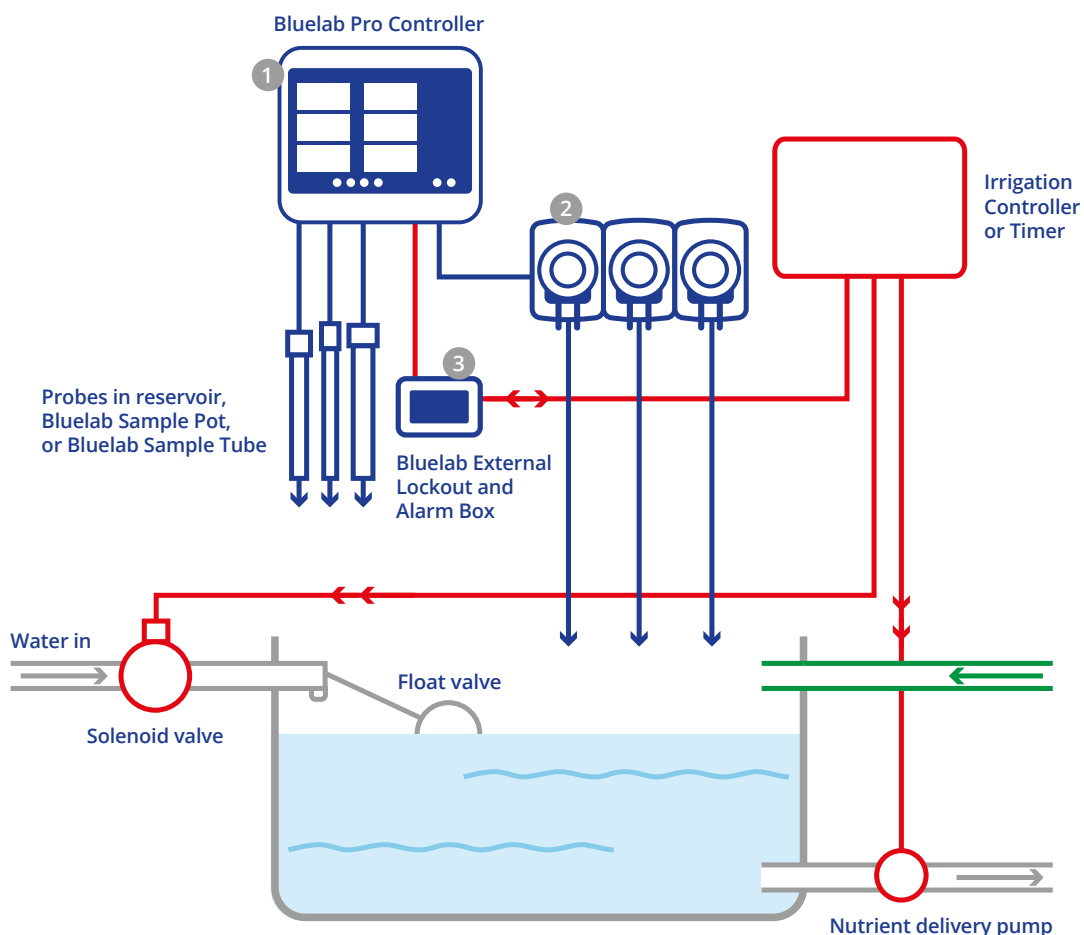
Nutrient solution is prepared by the Pro Controller and PeriPod then fed out to the crop at timed intervals via an irrigation timer. The run-off does not recirculate back to the reservoir.

Deep Water Culture (DWC) and Nutrient Film Technique (NFT)

Nutrient solution is fed out to the crop and recirculated back to the reservoir where water, nutrient and pH levels are replenished and adjusted automatically by the Pro Controller and PeriPod.

Flood and Drain (FAD)

Nutrient solution is prepared by the Pro Controller and PeriPod then fed out to the crop at timed intervals via an irrigation timer. The run-off returns to the reservoir where water, nutrient and pH levels are replenished by the Pro Controller and PeriPod.



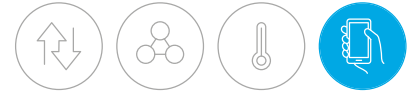
Key:

Blue = base product/all
Red = additional to blue for DTW FAD
Green = Nutrient return. Needed for NFT and DWC FAD set ups only.

1. Bluelab Pro Controller Wi-Fi (with pH, Temperature and Conductivity (EC) Probes)
2. Bluelab PeriPod M3, M4 or L3
3. Bluelab External Lockout and Alarm Box

BCTIND01

Bluelab IntelliDose Controller Kit



Automate pH, irrigation and fertigation.

The Bluelab IntelliDose automates your hydroponic setup, precisely dosing up to 9 nutrients and maintaining perfect EC/pH balance for thriving plants. This advanced fertigation controller works with various methods (NFT, DWC, drip), offering features like proportional dosing, irrigation scheduling, and data tracking. Invest in IntelliDose for hands-off nutrient management and superior results in your hydroponic garden.



Features

- ✓ Connects to Edenic via Bluelab IntelliLink for real-time monitoring, control, alerts, and insights directly on your phone.
- ✓ Doses up to a 9-part blend of nutrients
- ✓ Controls all growing methods - NFT, DFT/DWC, soil, media, drip, and aeronics
- ✓ Measure conductivity in EC, CF, ppm 500 (TDS), ppm 700
- ✓ Controls pH in the up (alkali) or down (acid) direction
- ✓ Able to set different EC for day and night
- ✓ Able to lower EC by adding water
- ✓ Receive email or SMS alerts
- ✓ Irrigation pump outputs (up to 4)
- ✓ Fail-safe dosing shut-offs

Specifications

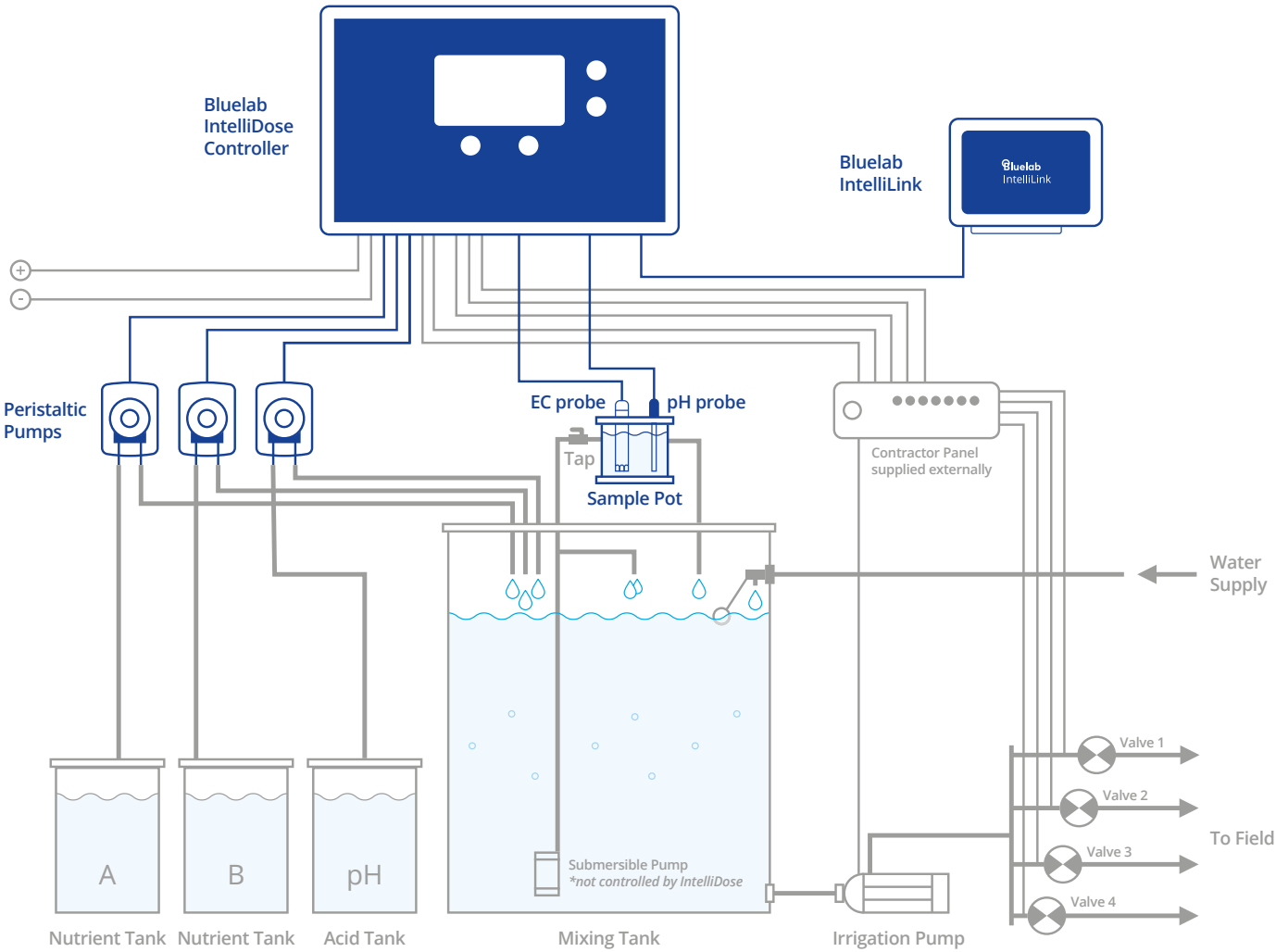
Technical	Range	Resolution	Accuracy at 25°C / 77°F
pH	2 - 12	0.1	± 0.1
°C / °F	0 - 50 / 32 - 122	1 / 1	±1 / ±2
EC	0 - 10	0.1	± 0.1
CF	0-100	1	± 1.0
ppm 500 (TDS)	0 - 5000	5	± 50

Operating Environment 0 - 50 °C / 32 - 122 °F
(Do not use or store outside this temperature range)

General	Power	Warranty Detail*
	9 outputs 24VDC (or same voltage as supplied by plug pack) Power source 100 - 240 VAC (50 - 60 Hz)	Comes with a 2-year limited warranty; 6-months for the Bluelab pH Probe

Box Contents	Equipment	Solution Sachets, 18 ml / 0.6 fl.oz.
	1x Bluelab IntelliDose Controller 1x Bluelab Conductivity Probe 1x Bluelab pH Probe 5m 1x Bluelab Sample Pot 1x Instruction manual 1x 24V DC 2.5A power supply 1x USB cable 3m (9.84 ft) 4x Mounting screws 4x Plasterboard anchors	2x Bluelab pH 7.0 Calibration Solution, single-use 2x Bluelab pH 4.0 Calibration Solution, single-use 2x Bluelab KCl Storage Solution

Drip to Waste with Irrigation Stations



Bluelab Products

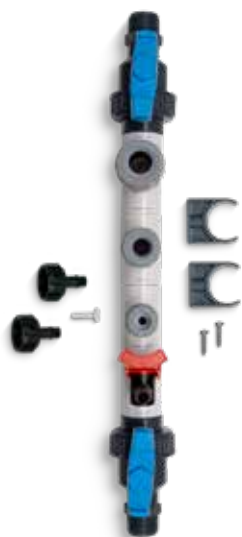


Other Products

Controller Accessories

Designed to enhance and complement our range of controllers, these accessories ensure precise control, seamless integration, and optimal performance for your Bluelab controller. Find the perfect add-ons that fit your specific needs and take your growing experience to the next level.





SAMTUB

Bluelab Sample Tube and Fittings

The perfect tool for your reservoir sample line. Suitable for use with the Bluelab Guardian Wi-Fi (BGUSTD02), Pro Controller Wi-Fi (BCTPRC02).

Features

- ✓ Extend probe life with easy removal
- ✓ Ideal for remote reservoirs (up to 2m/6.6ft)
- ✓ Direct nutrient solution measurement
- ✓ Easy probe access for cleaning and calibration
- ✓ Includes fittings for quick installation
- ✓ Manual sample tap for solution testing
- ✓ Secure probe hold with leak-proof design
- ✓ Easy-to-use shut-off valves
- ✓ Low-pressure system (max 15 psi)

Specifications

Technical	Do not exceed 15 psi.
General	Warranty Detail* Comes with a 2-year limited warranty



BMCSP01

Bluelab Sample Pot incl. Fittings and Calibration Solutions

Get accurate probe readings and protect your probes from damage with a sample pot. Our sample pots come with fittings for easy installation. Suitable for use with Bluelab IntelliDose Controller and Bluelab Guardian Monitor Wi-Fi (excluding Inline).

Features

- ✓ Achieve accurate probe readings and protect your probes from damage
- ✓ Easy to install with included fittings
- ✓ Compatible with Bluelab IntelliDose Controller and Bluelab Guardian Monitor Wi-Fi (excluding Inline)
- ✓ Essential accessory for reliable nutrient management

Specifications

Technical	1/2" intake from pump 3/4" overflow back to reservoir
Box Contents	2x Sachet, pH4, 18ml 2x Sachet, pH7 18ml 2x Sachet, EC2.77 18ml



BMCINL01

Bluelab IntelliLink

Easily connect the Bluelab IntelliDose to the Edenic app.

Features

- ✓ Connects the Bluelab IntelliDose Controller to the internet
- ✓ Connect to your local router via Ethernet cable or Wi-Fi.
- ✓ Requires the Edenic app

Specifications

General	Warranty Detail*
	Comes with a 2-year limited warranty
Box Contents	1x IntelliLink 3m ethernet cable 5V DC 2.5A power supply with universal plug 3m USB cable



PROEXBOX

Bluelab External Lockout and Alarm Box

Connect external switches to your Bluelab Pro Controller for a complete dosing solution.

Features

- ✓ Use to lockout the Pro Controller (inhibit dosing) with external switches
- ✓ Connect an external lockout sensor (eg float switch), which will stop all dosing, putting your plant safety first
- ✓ Integrate Pro Controller with an irrigation controller and pause dosing during feed-out
- ✓ Wire in the switch options yourself
- ✓ Pro Controller lockout can be activated with 'normally open' and 'normally closed' switches
- ✓ Add an external alarm (horn or flashing light) to your Pro Controller system for an audible alert system

Specifications

General	Warranty Detail*
	Comes with a 2-year limited warranty



POWERPODNZ | NEW ZEALAND/AUSTRALIA
 POWERPODEU | EUROPE
 POWERPODNA | NORTH AMERICA
 POWERPODUK | UNITED KINGDOM

Bluelab PowerPod

Electronic mains switching for the Bluelab Pro Controller. Activates mains-powered equipment, such as temperature control systems.

	North America POWERPODNA	NZ/Aus POWERPODNZ	United Kingdom POWERPODUK	Europe POWERPODEU
Power Source	110 VAC Mains	240 VAC Mains		
Control Input	Via Pro Controller			
Output	4x 110 VAC (10A)	4x 240 VAC (10A)		
Mains input/output cables	1x Type A plug 4x Type A socket	1x Type I plug 4x Type I socket	1x Type G plug 4x Type G socket	1x Type C plug 4x Type C socket

Specifications

General	Warranty Detail*
	Comes with a 2-year limited warranty
Box Contents	1x Bluelab PowerPod 1x Regional mains input cable 4x Regional mains output cables 1x Water cover 7x Mounting screws 1x Manual



BCTRLY21 | NEW ZEALAND/AUSTRALIA
 BCTRLY41 | EUROPE
 BCTRLY11 | NORTH AMERICA
 BCTRLY31 | UNITED KINGDOM

Bluelab Power Relay R4

Electronic mains switching for the Bluelab IntelliDose Controller activates mains-powered equipment, such as irrigation pumps.

	North America BCTRLY11	NZ/Aus BCTRLY21	United Kingdom BCTRLY31	Europe BCTRLY41
Power Source	110 VAC Mains	240 VAC Mains		
Control Input	4x (up to 24VDC)			
Output	4x 110 VAC (15A)	4x 240 VAC (10A)		
Mains input/output cables	1x Type A plug 4x Type A socket	1x Type I plug 4x Type I socket	1x Type G plug 4x Type G socket	1x Type C plug 4x Type C socket

Specifications

General	Warranty Detail*
	Comes with a 2-year limited warranty
Box Contents	1x Bluelab Power Relay R4 1x Bluelab Power Relay R4 1x Regional mains input cable 4x Regional mains output cables 1x Control input cable 1x Water cover 7x Mounting screws 1x Manual

BPU12001

Bluelab Peristaltic Pump

120 ml, 4.06 fl.oz / min

Peristaltic pumps are easy to install and maintain, and they are the easiest way to deliver nutrients, additives, and pH solutions to your reservoir.

These pumps mount on the wall above the reservoir. They automate dosing and watering with accuracy and precision. The Bluelab 120 ml peristaltic pump helps you manage and maintain the essentials your crops need to thrive.



Features

- ✓ Runs on 24V DC
- ✓ Pressure roller (2H+2R)
- ✓ PP made NPT fitting x2
- ✓ ABS enclosure x1
- ✓ DC power wire with 200+1800 mm(L)
- ✓ 0.25" in/out tubing

Specifications

Compatible with	Bluelab IntelliDose (BCTIND01)		
Technical	Flow rate accuracy at 25°C or 77°F ±10%		
Operating Environment	Solution temperature 5 - 40°C / 41 - 104°F	Environment temperature 5 - 40°C / 41 - 104°F	Acid concentration level Less than 80% Phosphoric, 35% nitric, 30% sulphuric or 20% citric acid by volume
General	Warranty Detail* Comes with a 2-year limited warranty; 6-months for cassette and tubing		
Box Contents	Equipment Getting Started Guide 8-Pin PeriPod/PowerPod Cable for Pro Controller	Tubing 4 meters/13 feet of high-strength acid-/alkaline-resistant tubing for safe dosing of pH up or down 3x 4 metres/13 feet of food-grade tubing for dosing nutrient stock solution	

BPU45001

Bluelab Peristaltic Pump

450 ml, 15.22 fl.oz / min

Designed with improved pump performance and ease of maintenance in mind.

The Quick Change Pump requires no tools to replace the squeeze tube. The spring loaded roller block design enhances both performance and squeeze tube life.

Features

- ✓ Runs on 24V DC
- ✓ Affordable commercial dosing volume
- ✓ Designed to maximise squeeze tube life
- ✓ Automatically adjusts for tube wear
- ✓ Accommodates for tube variations and tolerances
- ✓ Integrated brackets keep hoses tidy



BPU1K401

1400ml, 47.34 fl.oz / min

Specifications

Compatible with	Bluelab IntelliDose (BCTIND01)		
Technical	Flow rate accuracy at 25°C or 77°F ±10%		
Operating Environment	Solution temperature 5 - 40°C / 41 - 104°F	Environment temperature 5 - 40°C / 41 - 104°F	Acid concentration level Less than 80% Phosphoric, 35% nitric, 30% sulphuric or 20% citric acid by volume
General	Warranty Detail* Comes with a 1-year limited warranty		
Box Contents	Equipment Getting Started Guide		



PERIPODM3 / PERIPODM4

Bluelab PeriPod M3 or M4

Flow rate per pump, up to 120 ml/min, 4 fl.oz/min

For use with the Bluelab Pro Controller (CONTPRO - No longer available) and Pro Controller Wi-Fi (BCTPRC02)

Features

- ✓ Compact and space-saving
- ✓ Link together for complex schedules (maximum 12 pumps)
- ✓ Quiet and fan-cooled
- ✓ Individual pump-priming and calibration
- ✓ Pumps can be calibrated to the viscosity of their nutrient
- ✓ Opaque nutrient tubing to prevent algae growth
- ✓ Doser can be positioned lower than the injection point
- ✓ Replaceable peristaltic pumps, cassettes and tubing
- ✓ Wall-mounted design

Specifications

Compatible with	Bluelab Pro Controller (CONTPRO - No longer available) and Pro Controller Wi-Fi (BCTPRC02)		
Technical	Flow rate accuracy at 25°C or 77°F ±10%		
Operating Environment	Solution temperature 5 - 40°C / 41 - 104°F	Environment temperature 5 - 40°C / 41 - 104°F	Acid concentration level Less than 80% Phosphoric, 35% nitric, 30% sulphuric or 20% citric acid by volume
General	Warranty Detail* Comes with a 2-year limited warranty; 6-months for cassette and tubing		
Box Contents	Equipment Getting Started Guide	Tubing 4 metres / 13 feet of high-strength acid/alkaline resistant tubing for safe dosing of pH up or down 3x 4 metres/13 feet of food-grade tubing for dosing nutrient stock solution	



PERIPODL3

PeriPod L3

Flow rate per pump, up to 1200 ml/min, 40 fl.oz/min

For use with the Bluelab Pro Controller (CONTPRO - No longer available) and Pro Controller Wi-Fi (BCTPRC02)

When connected to the Edenic app

- ✓ Set and manage individual nutrient ratios
- ✓ Configure for either pH or nutrient delivery

PeriPod Configuration

Connect multiple PeriPods to dose multi-part nutrient schedules into reservoirs. Set and manage individual nutrient ratios directly through the user-friendly Edenic app.

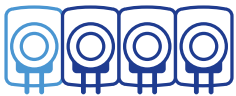
PeriPod M3 and PeriPod M4 cannot be connected with a PeriPod L3.



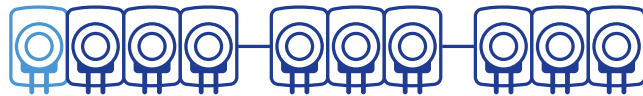
1 x pH + 2 x Nutrients - PeriPod M3



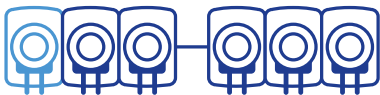
1 x pH + 8 x Nutrients - 3 x PeriPod M3



1 x pH + 3 x Nutrients - PeriPod M4



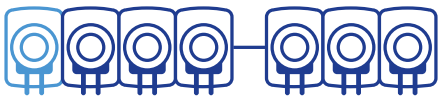
1 x pH + 9 x Nutrients - PeriPod M4 + 2 x PeriPod M3



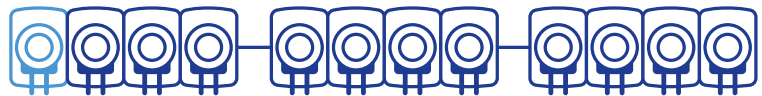
1 x pH + 4 or 5 x Nutrients - 2 x PeriPod M3



1 x pH + 10 x Nutrients - 2 x PeriPod M4 + PeriPod M3



1 x pH + 6 x Nutrients - PeriPod M4 + PeriPod M3



1 x pH + 11 x Nutrients - 3 x PeriPod M4



1 x pH + 7 x Nutrients - 2 x PeriPod M4

● pH adjuster ● Nutrients

Probes

Looking for a replacement probe or spare part for your Bluelab device? We provide a variety of replacement parts, from pH probes for your Bluelab monitors and controllers to spare power supplies and dosing tubing.





PROBPH5M

Longer cable

Available with a 5m/16ft cable for measuring in hard-to-reach locations and improved cable routing.



PROBPHLEAP

PROBPH

Bluelab pH Probe

Suitable for solution. Compatible with all Bluelab handheld meters, monitors and controllers with a BNC connection.

Features

- ✓ Double-junction
- ✓ Standard BNC connector
- ✓ 2 metre / 6.6 foot cable
- ✓ Polycarbonate body
- ✓ Waterproof
- ✓ Probe holder with suction cup
- ✓ KCl-filled storage cap

Specifications

Technical	Range 0.0-14.0 pH	
Operating Environment	Device resolution 0.1 and 0.01 pH	Solution 0.2 EC and above 0-60°C / 32-140°F (Do not use or store outside this temperature range)
General	Warranty Detail* Comes with a 6-month limited warranty	

Bluelab Leap pH Probe

Measure direct in soil, substrate and solution. A replacement probe for the Combo Meter with Leap pH Probe (METCOMPLUS) and Multimedia pH Meter (METMULTI) but compatible with all Bluelab handheld meters, monitors and controllers with a BNC connection.

Features

- ✓ Reinforced spear tip
- ✓ Double-junction
- ✓ Standard BNC connector
- ✓ 2 metre / 6.6 foot cable
- ✓ Waterproof
- ✓ KCl-filled storage cap

Specifications

Technical	Range 0.0-14.0 pH	
Operating Environment	Device resolution 0.1 and 0.01 pH	Soil, substrate and solution 0.2 EC and above 0-80°C / 32-176°F (Do not use or store outside this temperature range)
General	Warranty Detail* Comes with a 6-month limited warranty	



PROBPHIN

Bluelab pH Probe Inline

A replacement pH probe for the Bluelab Guardian Monitor Inline.

Features

- ✓ 3/4" thread for inline mounting
- ✓ Mount in any direction
- ✓ Standard BNC connector
- ✓ 3 metre / 9.8 foot cable
- ✓ Double-junction
- ✓ KCl-filled storage cap
- ✓ Waterproof
- ✓ 100 psi / 7 bar pressure

Specifications

Technical	Range 0.0-14.0 pH	
Operating Environment	Device resolution 0.1 and 0.01 pH	Solution 0.2 EC and above 0-100 °C / 32-212 °F (Do not use or store outside this temperature range)
General	Warranty Detail* Comes with a 1-year limited warranty	



PROBTEMP

Bluelab Temperature Probe

Compatible with all Bluelab pH Controllers and Bluelab Pro Controllers.

Features

- ✓ 3.5mm connector
- ✓ No calibration required
- ✓ 2 metre / 6.6 foot cable
- ✓ Waterproof
- ✓ Fast sensor response
- ✓ Stainless steel body

Specifications

General	Warranty Detail* Comes with a 2-year limited warranty
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PROBONE

BlueLab OnePen Replacement Probe

A replacement pH, Conductivity (EC), and Temperature Probe for BlueLab OnePen (PENONE)

Specifications

General

Warranty Detail*

Comes with a 6-month limited warranty



PROBPCEC

BlueLab Pro Controller Conductivity Probe

A replacement conductivity probe for the BlueLab Pro Controller (CONTPRO and BCTPRC02)

Specifications

General

Warranty Detail*

Comes with a 2-year limited warranty



PROBINTEC

BlueLab Intelligent EC Probe with 5m Cable for IntelliDose

A replacement conductivity probe for the BlueLab IntelliDose Controller (BCTIND01) with 5m /16ft cable

Specifications

General

Warranty Detail*

Comes with a 2-year limited warranty

Product Replacement Parts

Explore our extensive range of replacement components designed to keep your Bluelab devices functioning at their best.



Pumps



PUMPCONT-S

A replacement pump and cassette

For the Bluelab pH Controller (CONTPH - No longer available) and pH Controller Connect (CONTPHCON - No longer available) - 10 ml/min



PUMPCONT-M

A replacement pump and cassette assembly

For the Bluelab pH Controller Wi-Fi (BCTPHC02), Bluelab PeriPod M3 (PERIPODM3), and Bluelab PeriPod M4 (PERIPODM3) - 120 ml, 4.06 fl.oz /min



PUMPCONT-L

A replacement pump and cassette assembly

For the Bluelab PeriPod L3 (PERIPODL3) - 1200 ml, 40.6 fl.oz /min



PUMPCASS-SM

A replacement pump and cassette assembly

For the Bluelab pH Controller (CONTPH), pH Controller Connect (CONTPHCON), Bluelab pH Controller Wi-Fi (BCTPHC02), Bluelab PeriPod M3 (PERIPODM3), and Bluelab PeriPod M4 (PERIPODM3)



PUMPCASS-L

A replacement cassette

For the Bluelab PeriPod L3 (PERIPODL3) - 1200 ml, 40.6 fl.oz /min

Tubing



TUBENUT-SM

Nutrient Tubing (Black)

Suitable for Bluelab PeriPod M - 4m

Includes joiners (2x 1/8" straight)



TUBENUT-L

Nutrient Tubing

Suitable for Bluelab PeriPod L3 - 4m

Includes tube fittings (1x Male 5/16", 1x Female 5/16" Luer Coupler, barbed)



TUBEACID-SM

Acid Tubing (White)

Suitable for Bluelab PeriPod M and Bluelab pH Controller Wi-Fi - 4m

Includes joiners (2x 1/8" straight, PVDF)



TUBEACID-L

Acid Tubing (White)

Suitable for Bluelab PeriPod L - 4m



CONTTUBE

Acid Tubing

Suitable for the Bluelab pH Controller (CONTPH - No longer available) and pH Controller Connect (CONTPHCON - No longer available) - 4m/13ft

Includes joiners (2x reducing 3-1.6mm, PVDF)

Cables



500005

Bluelab Pro Controller to PeriPod data cable



500013

Bluelab External Lockout and Alarm Box cable

Other



TRUNSHROUDV2

Shroud for Truncheon Meter V2



803250

Conductivity Probe Shroud



TRUNBATCAPV2

Battery Cap for Truncheon Meter V2



PULSEPROBCOV

Blue lab Pulse Meter Depth Gauge and Probe Tip Cover



PHPROBECAP

Standard pH Probe Storage Cap



PHSPEARCAP

Blue lab Leap pH Probe Storage Cap



PROBHOLD

Blue lab pH Probe Holder w/Suction Cup

Power Supplies



PWRSGUAR

Bluelab Guardian Monitor replacement power supply

Four plug adaptors for New Zealand/Australia, North America, United Kingdom, Europe.



PWRSPERIPOD

Bluelab PeriPod M3 (PERIPODM3), PeriPod M4 (PERIPODM4) and PeriPod L3 (PERIPODL3) replacement power supply

Four plug adaptors for New Zealand/Australia, North America, United Kingdom, Europe.



PWRSCONTPH

Bluelab pH Controller and BlueLab Pro Controller Power replacement power supply

Four plug adaptors for New Zealand/Australia, North America, United Kingdom, Europe.

CLEAN, HYDRATE, CALIBRATE, TEST

Care, Testing, and Maintenance

Maximise the life and accuracy of your
Bluelab pH Pen and probes.



Clean - Care Kits

The Bluelab Probe Care Kits include the essentials to care for and maintain your pH probes and pens, helping them to last longer and maintain accuracy.

pH

- ✔ Clean the probe tip with the pH Probe Cleaner and toothbrush
- ✔ Hydrate* monthly, and ensure the storage cap contains KCl Storage Solution after every use.
- ✔ Calibrate the pH probe to two points: pH 7.0 and pH 4.0.

*Before first use, monthly, and in case of suspected dryness, rehydrate your probe by immersing the probe tip in KCl Storage Solution for 24 hours, then calibrate.

Conductivity

- ✔ Clean probe tip with probe cleaner and chamois to remove nutrient build-up
- ✔ Test in 2.77 EC Conductivity Standard Solution to ensure accuracy. Clean again if reading is not as expected
- ✔ Calibrate if necessary (Bluelab Conductivity Pen and Bluelab Pro Controller only).

CAREKITPH

Probe Care Kit - pH



Kit Contents

Equipment

- 1x Probe care instructions
- 3x Plastic cups
- 1x Bluelab pH Probe Cleaner, 30 ml / 1 fl.oz
- 1x Toothbrush

Solution

- 2x Single-use pH 4.0 Calibration Solution Sachets, 18 ml / 0.6 fl.oz
- 2x Single-use pH 7.0 Single-use Calibration Solution Sachets, 18 ml / 0.6 fl.oz
- 2x Single-use 2.77 EC Conductivity Standard Solution Sachets, 18 ml / 0.6 fl.oz

CAREKITPHCON

Probe Care Kit - pH and Conductivity



Compatible with

Not compatible with Bluelab OnePen (PENONE) or Replacement Probe (PROBONE)

Kit Contents

Equipment

- 1x Probe care instructions
- 3x Plastic cups
- 1x Bluelab pH Probe Cleaner, 30 ml / 1 fl.oz
- Bluelab Conductivity Probe Cleaner, 30 ml / 1 fl.oz
- 1x Toothbrush
- 1x Chamois

Solution

- 2x Single-use pH 4.0 Calibration Solution Sachets, 18 ml / 0.6 fl.oz
- 2x Single-use pH 7.0 Single-use Calibration Solution Sachets, 18 ml / 0.6 fl.oz
- 2x Single-use 2.77 EC Conductivity Standard Solution Sachets, 18 ml / 0.6 fl.oz
- 2x KCl Storage Solution, 18 ml / 0.6 fl.oz

Hydrate

Bluelab pH Probe KCl Storage Solution

Available Sizes

- 100 ml / 3.4 fl.oz (region-specific)
- 120 ml / 4.06 fl.oz (region-specific)
- 250 ml / 8.5 fl.oz



120 ml / 4.06 fl.oz	Single	STSOL120
	Box of 6 ROW	STSOL120B
	Box of 6 USA	STSOL120BL
250 ml / 8.5 fl.oz	Single	STSOL250
	Box of 6 ROW	STSOL250B
	Box of 6 USA	STSOL250BL
100 ml / 3.4 fl.oz (EU ONLY)	Single	STSOL100E
	Box of 6 EU	STSOL100BE

Calibrate

Bluelab pH 4.0 Calibration Solution

Available Sizes

- 250 ml / 8.5 fl.oz
- 500 ml / 16.9 fl.oz



250 ml / 8.5 fl.oz	Single	PH4250
	Box of 6 ROW	PH4250B
	Box of 6 USA	PH4250BL
	Box of 6 EU	PH4250BE
500 ml / 16.9 fl.oz	Single	PH4500
	Box of 6 ROW	PH4500B
	Box of 6 USA	PH4500BL
	Box of 6 EU	PH4500BE

Bluelab pH 7.0 Calibration Solution

Available Sizes

- 250 ml / 8.5 fl.oz
- 500 ml / 16.9 fl.oz



250 ml / 8.5 fl.oz	Single	PH7250
	Box of 6 ROW	PH7250B
	Box of 6 USA	PH7250BL
	Box of 6 EU	PH7250BE
500 ml / 16.9 fl.oz	Single	PH7500
	Box of 6 ROW	PH7500B
	Box of 6 USA	PH7500BL
	Box of 6 EU	PH7500BE

Test

Bluelab 2.77 EC Conductivity Standard Solution

Available Sizes

- 250 ml / 8.5 fl.oz
- 500 ml / 16.9 fl.oz



250 ml / 8.5 fl.oz	Single	EC277250
	Box of 6 ROW	EC277250B
	Box of 6 USA	EC277250BL
	Box of 6 EU	EC277250BE
500 ml / 16.9 fl.oz	Single	EC277500
	Box of 6 ROW	EC277500B
	Box of 6 USA	EC277500BE
	Box of 6 EU	EC277500BL

Sachet Boxes

PH418B

Bluelab pH 4.0 Calibration Solution

30x Single-use pH 4.0 Calibration Solution Sachets,
18 ml / 0.6 fl.oz



PH718B

Bluelab pH 7.0 Calibration Solution

30x Single-use pH 7.0 Single-use Calibration Solution Sachets,
18 ml / 0.6 fl.oz



STSOL18B

Bluelab KCl Storage Solution

30x KCl Storage Solution Sachets, 18 ml / 0.6 fl.oz



EC27718B

Bluelab 2.77 EC Conductivity Solution

30x Single-use 2.77 EC Conductivity Standard Solution Sachets, 18 ml / 0.6 fl.oz



MIX18B

Bluelab Mixed Storage Solution

- 10x Single-use pH 4.0 Calibration Solution Sachets, 18 ml / 0.6 fl.oz
- 10x Single-use pH 7.0 Single-use Calibration Solution Sachets, 18 ml / 0.6 fl.oz
- 5x Single-use 2.77 EC Conductivity Standard Solution Sachets, 18 ml / 0.6 fl.oz
- 5x KCl Storage Solution Sachets, 18 ml / 0.6 fl.oz



Notes

Icon Key



pH



Conductivity (EC)



Temperature



Moisture



Pulse app.



Edenic compatible

Let's Talk

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

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Conversion chart


EC	mS/cm	CF	ppm 500	ppm 700
0.1	0.1	1	50	70

The images in this catalogue represent the actual products, but please note that some items may vary slightly in appearance. Specifications, features, and availability can change without notice. For the most current product information, visit your nearest store or contact us directly.

* Details available at bluelab.com/product-warranty

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The Bluelab logo, featuring a stylized 'B' icon followed by the word 'Bluelab' in a sans-serif font.A hand holds a blue and white OnePen water quality meter in an underwater environment. The meter's LCD screen displays '100' and '5.75'. The background is filled with a school of alien creatures with large, glowing eyes and small horns, looking towards the camera. Bubbles are visible in the water.

**There's only OnePen™
in the universe that's
certified IP68 water proof.**

Wherever you are, you can trust the OnePen™
to survive even the toughest conditions.

OnePen™
Advanced technology for all growers

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