bluelab®

success by simplicity

handy.

ppm&pH pen

We have developed the latest innovation for hand held meters and the ultimate handy solution for measuring pH and ppm.

These clever little pens will help you manage the success of your crops. The ppm pen simply tells you that your plants have the right amount of nutrient in your solution and lets you know if adjustments are needed. The pH pen provides a pH reading of the solution so you know the nutrient will be made available to the plant.

Now, isn't that handy?

Measuring pH matters

pH is the measurement of acidity and its opposite, alkalinity, in a solution.

You need to master pH.

Most nutrient elements are available to a plant when the pH is slightly acidic.

This is between 5.5 and 6.3 pH.

Individual crops have their own preference for pH values. That is, they do best at certain pH levels. You need to know what these are.

Whatever food solution you use, keep your pH in a fairly tight band. Consistent balance gives consistent growth.

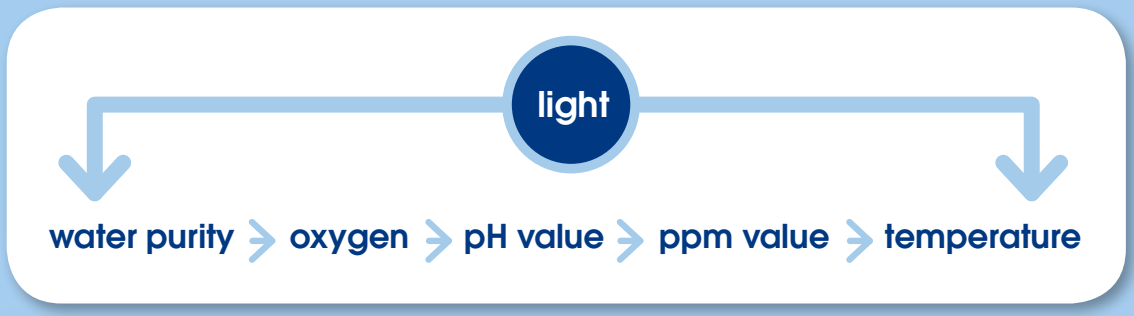
It's not just the nutrient mix. It's the right pH that delivers the food.

Think of nutrients like a lock. pH is the key.

So, what do you need to know?

Hydroponic growing lets you give the best care possible to your plants.

The quality of care is in your control. And these are the most important factors you need to know:



It sounds obvious. And it is. Plants eat. They get their nutrition from minerals but they can only get all the minerals they need if certain conditions are right. A key thing that affects food uptake is whether your solution is acid or alkaline. We measure this in pH.

You can do this with our handy pH pen.

Conductivity

Once you've mastered the pH, your next step is conductivity. This is where your ppm pen comes in.

To feed plants well, we need to know what we're feeding them. We also need to know if they can get at the food (pH) and how much food they have available (conductivity, measured by ppm).

Measure the conductivity every day.

- If you don't know which ppm scale to use, ask your nutrient manufacturer or use EC
- Avoid over-diluting or over-concentrating your nutrient solution
- Start with a quality nutrient
- Completely change the reservoir solution every 7 days
- Top up the nutrient level between changes - so your plants always have the right amount of food

Features

ppm pen	pH pen
Measures conductivity and temperature	Measures pH and temperature
Selectable units for conductivity and temperature	Selectable units for ˚C & ˚F
Backlit LCD display	Backlit LCD display
Calibration optional	Double junction probe (not replaceable)
Successful calibration indicator	Successful calibration indicator
Hold function	Hold function
Low battery warning	Low battery warning
Fully waterproof	Fully waterproof
Auto off function	Auto off function
Automatic temperature compensation	Automatic temperature compensation

Product Specifications

specs	ppm pen	pH pen
Units	EC, 500ppm, 700ppm, ˚C, ˚F	pH, ˚C, ˚F
Range	0.0 - 10.0 EC 0-5000ppm (500ppm) 0-7000ppm (700ppm) 0-50 ˚C / 32 -122 ˚F	0.0 - 14.0 pH 0-50 ˚C / 32-122 ˚F
Resolution	0.1 EC 10ppm (500ppm) 10ppm (700ppm) 1 ˚C / 1 ˚F	0.1 pH 1 ˚C / 1 ˚F
Accuracy @ 25˚C	±0.1 EC (@ 2.77 EC) ±50ppm (500ppm) (@ 1385ppm) ±70ppm (700ppm) (@ 1940ppm) ±1 ˚C / ±2 ˚F	±0.1 pH
Automatic Temperature Compensation	YES	YES
Battery Type	1 x AAA alkaline	1 x AAA alkaline
Guarantee	12 Months	12 Months

guarantee.

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

lets talk.

If you need assistance or advice -
we're here to help you.
Phone: **+64 7 578 0849** Fax: **+64 7 578 0847**
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get online.

Looking for specifications or technical advice?
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