



solenoid kit

includes solenoid dosing system

The Bluelab Dosetronic provides the grower with a more manageable system to improve yield and removes the complexity of automation in a feed system.

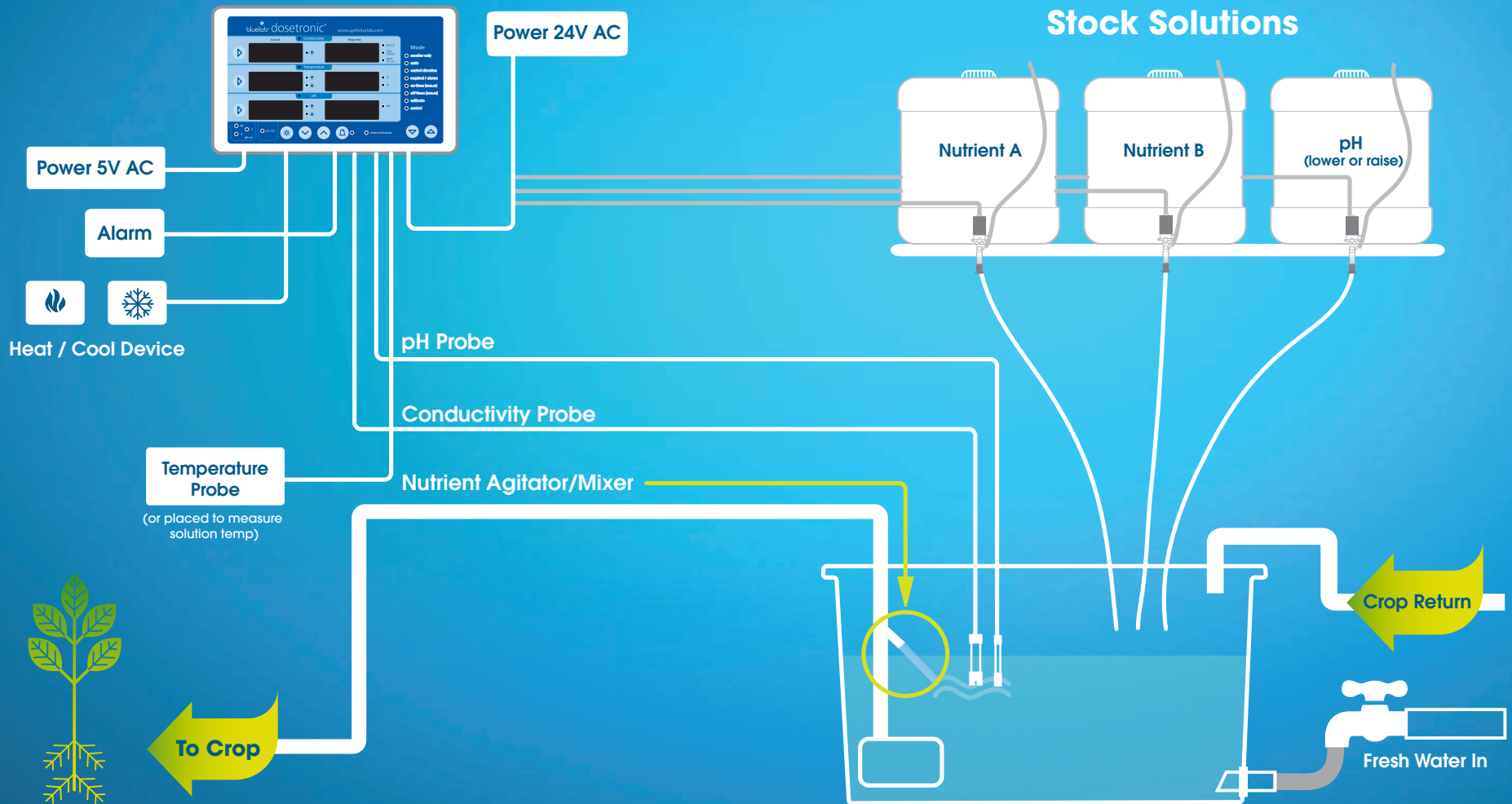


The Bluelab Dosetronic[®] provides the grower with a more manageable system to improve yield and remove the complexity of automation in a feed system.

The majority of growers in Horticulture and Hydroponics understand that a crucial part of optimizing crop performance and profit returns is by providing the correct balance of crop nutrition in the feed system. Without the correct nutrient balance, plants become stressed; growth is slowed and disease becomes prevalent. This can also result in fewer crop cycles per year which instantly affect their return on investment in monetary terms and time.

growth success, but more importantly these parameters change the plants uptake and need of water and specific nutrient elements. The Dosetronic controls the desired levels of nutrient and temperature. All the grower needs to do is program the required levels of conductivity, pH and temperature as the crop progresses through each growing phase. The grower retains control but the Dosetronic backs him up! This enables fast and accurate alterations to the feed system as the crops needs change.

Seasonal changes, sunlight hours, wind, inherent plant growth; from vegetative to fruiting, are all influencing factors to plant





features

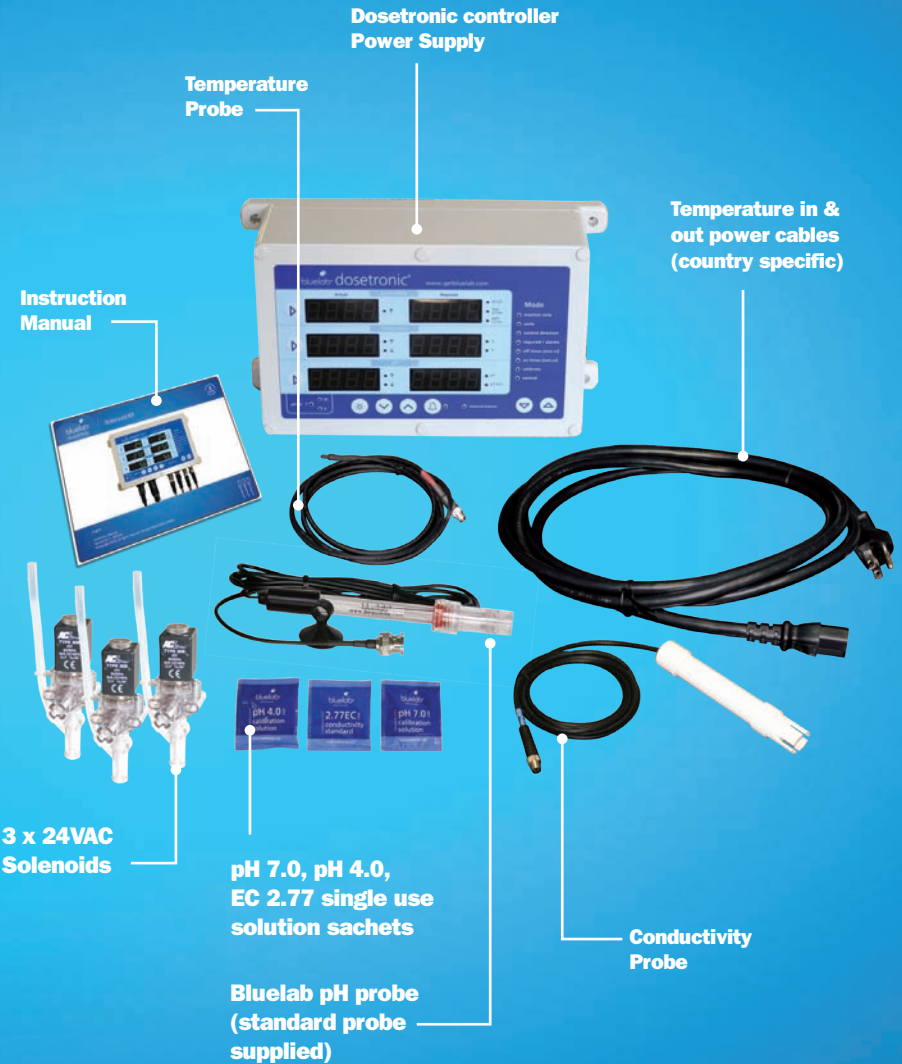
- › Simple, friendly user interface
- › Selectable values for conductivity and temperature
- › Able to calibrate conductivity but not required
- › Large easy to read displays with adjustable display brightness
- › Splash proof
- › International power supply for controller
- › All probes are removable / replaceable
- › Calibration "Quality" indicator for pH probe
- › Probe lead lengths are 2 m / 6 ½ft
- › Monitors and controls pH (raise OR lower)
- › Monitors and controls conductivity (raise only)
- › Monitors and controls temperature - either mains connected heating OR cooling equipment
- › Control functions are optional. Can control 1, 2 or all 3 parameters
- › Settings retained if power failure occurs
- › Can be placed into Monitor mode only with alarms enabled / disabled
- › Conductivity & pH can be dosed via Peristaltic pumps or Solenoids (or any user supplied equipment)
- › Individual High and Low alarm functions
- › Choice of visual and/or audio alarm
- › Able to connect an external alarm device
- › Selectable internal lockouts. E.g. Temperature high alarm can prevent nutrient dosing
- › Provision for External lockouts (both Normally Closed and Normally Open contact) E.g. a water flow switch can prevent all dosing action
- › Automatic safety lockouts built in – E.g. Prevents dosing of pH and nutrient solution if a fault is detected
- › Hysteresis: Settable on Temperature only – E.g. prevents damage to temperature from rapid on and off switching
- › Adjustable compressor lockout – E.g. prevents damage to equipment by ensuring an adequate start up delay



guarantee

The Bluelab Dosetronic[®] comes with a free 2 year repair or replacement guarantee for your added benefit.

Specifications	pH	Conductivity	Temperature
Measurement values:	pH	EC, CF, TDS (ppm 500), ppm 700	°C °F (air or solution)
Dosing System:	Bluelab Solenoids		
Measurement Range:	0.0 – 14.0 pH	0 – 5.0 EC 0 – 50 CF 0 – 2500 TDS 0 – 3500 ppm	0 – 50 °C 32 – 122 °F
Control Range:	0.1 – 13.9 pH	0.2 – 4.9 EC 2 – 49 CF 100 – 2450 TDS 140 – 3430 ppm 700	Cooling: 1 – 48 °C, 34 – 119 °F, Heating: 2 – 49 °C, 35 – 120 °F
Resolution:	0.1 pH	0.1 EC 1 CF 50 TDS 70 ppm	1°C 1°F
Accuracy @ 25 °C 77 °F	±0.1pH	±0.1 EC ±1 CF ±50 TDS ±70 ppm	±1 °C ±1 °F
Temperature Compensation:	yes	yes	not applicable
Working Environment:	0 - 50 °C or 32 - 122 °F splash proof		
Power Source:	Dosetrionic: Mains plug pack. Input 100 – 240 VAC 50-60Hz. Output: 5Vdc, 3Amp Solenoid Kit: 24 VAC, 1Amp		
Calibration:	Manual calibration 1, 2 or 3 point	Factory calibrated Calibration by user is also possible	Factory calibrated
Other features:	Alarm - Visual and/or Audio Settings retained if power failure occurs Hysteresis: Temperature channel only -- user settable On-time dosing settable from 0 to 10 minutes in one-second steps Off-time dosing settable from 0 to 59 minutes and 59 seconds in ten-second steps		
Guarantee Period:	Dosetrionic: 2 years, Solenoids: 1 year, pH probe: 6 months		



Bluelab Dosedronic[®] Solenoid kit

- > Controller
- > Power Supply
- > Temperature Power in and Power out cables (country specific)
- > pH probe
- > Conductivity Probe
- > Temperature Probe
- > 3 x 24VAC Solenoids
- > pH 7.0, pH 4.0 and EC 2.77 single use Solution Sachets
- > Instruction manual
- > OPTIONAL: Alarm box, pH probe with ATC



solenoid kit

includes solenoid dosing system



guarantee.

The Bluelab Dosetronic® comes with a free 2 year 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**

Email: **salesupport@getbluelab.com**



get online.

Looking for specifications or technical advice?

Visit us online @ **www.getbluelab.com**



post.

Bluelab Corporation Ltd
8 Whiore Ave
Tauriko Industrial Park
Tauranga 3110
New Zealand