Handmeters for in water

- EC-meters
- Temperature meters
- Ph Meters









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Digital EC-meter in carrying case, EC-95

Professional digital EC/°C-meter complete in carrying case with calibration liquid, automatic calibration function and data storage.



This digital EC-meter is robust and elegant of design and is accurate and simple to use. The temperature is automatic compensated and the instrument has an automatic calibration and data storage function which means that simplicity and accuracy is guaranteed. The EC-95 is supplied in a handy carrying case with a calibration liquid and a user-manual.

Optional

EC5015 EC direct soil sensor. For use in water and/or i.e. soil. (need to ordered extra)

Specifications

Measuring range EC : 0-1999uS, 20/200mS
Measuring range °C : -10.0 / 110.0°C
Ref.temp. : 20 of 25°C
Memory capacity : 80 measurements
Work temp./RH : 0-60 °C/ 20-95%
Accuracy : 0,1 mS/cm
Resolution EC : 0,01 mS/cm

Electrode : Epoxy + Pt1000
100 cm cable
Power supply : 1 x battery 9V
Measuring hours : ± 250 hours
Size/weight : 115x70x25mm/ 200 gr
Accessories : Carrying case, calibration, liquid and a user manual
Warrantee : 1 year (instrument)

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Digital EC-Meter EC95INST

Professional digital EC/°C-meter with stainless steel pointed sensor for direct measurement in soil with calibration liquid, automatic calibration function, and data storage.

This digital EC-meter is robust and elegant of design and is accurate and simple to use. The temperature is automatic compensated and the instrument has an automatic calibration and data storage function which means that simplicity and accuracy is guaranteed. The EC-95 is supplied in a handy carrying case with a calibration liquid and a user-manual.



Optional

EC5015 EC direct soil sensor. For use in water and/or i.e. soil. (need to ordered extra)

Specifications

Measuring range EC : 0-1999uS, 20/200mS
Measuring range °C : -10.0 / 110.0°C
Ref.temp. : 20 of 25°C
Memory capacity : 80 measurements
Work temp./RH : 0-60 °C/ 20-95%
Accuracy : 0,1 mS/cm
Resolution EC : 0,01 mS/cm

Electrode : Epoxy + Pt1000
100 cm cable
Power supply : 1 x battery 9V
Measuring hours : ± 250 hours
Size/weight : 115x70x25mm/ 200 gr
Accessories : Carrying case, calibration, liquid and a user manual
Warrantee : 1 year (instrument)

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EPH-119, EC/pH/°C-meter in carrying case

Professional EC/pH/°C-meter in a rugged carrying case included accessories for water- and soil samples.



This EC/pH/°C-meter has standard features like automatic temperature compensation and automatic calibration. It is completely supplied in a rugged carrying case including accessories for water- and soil samples.

Specifications

Holland Housing/operation:	ABS/ press button
Range pH/ EC/ Temp.:	0-14,00pH/ 0-19,99mS/ 0-65,0°C
Accuracy/deviation:	± 0,01pH/ ± 0,01mS/ ± 0,1 °C
Resolution:	0,01 digit LCD
Temperature comp.:	Automatic for EC and pH.
Calibration:	Automatic with recognition of calibration liquids
Electrode pH:	Combined/epoxy, 100 cm cable with BNC connector
Electrode EC:	Epoxy with Pt-1000 temperature element
Power supply:	1 x battery 9V 6F22
Consumption:	± 300 hrs
Size/weight:	320 x 290 x 120mm/ 2 kg
Options:	RS-232 output on request
Accessories:	Carrying case, sample cup, syringe, cleaning bottle, distilled-water, calibration liquids (pH-4, pH-7 and EC), storage liquid and a user manual.
Warranty:	1 year (not on pH-electrode)

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PH-95, pH-meter in carrying case

Professional digital pH-meter in carrying case, automatic calibration and data storage function.



This digital pH-meter is robust and elegant of design and is accurate and simple in use. The temperature is automatic compensated (when temperature sensor is connected) and the instrument has an automatic calibration and data storage function which means that simplicity, and accuracy is guaranteed. The PH-95 is supplied in a handy carrying case with calibration liquids (pH-4, pH-7), user-manual and a storage liquid for the pH-electrode.

Specifications

Measuring range:	0-14 pH
Measuring range °C:	-10.0 / 110.0°C
Memory capacity: measurements	80
Work temp./RH:	0-60 °C / 20-95%
Accuracy:	0,1 pH
Resolution pH:	0,01 pH
Electrode:	Epoxy gel, 100cm cable and BNC connector (SZ1021)
Power supply:	1 x battery 9V
Measuring hours:	± 250 hours
Size/weight:	115x70x25mm/ 250 gr.
Accessories:	Carrying case, calibration liquids (pH-4, pH-7), storage Liquid and an user manual
Warrantee:	1 year (instrument)
Option:	Pointed pH-electrode (SZ1131) and temp. sensor

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BlueLab Moisture Sensor

Professional digital moisture meter with Bluetooth for your GMS.

This digital moisture sensor is robust and elegant of design and is accurate and simple in use. You can stick the sensor pen in the moister to measure EC and temperature. All the data you collect at different places in the greenhouse can be send to your cellphone. This allows you to make notes in the app at the measurement moments.



Advantages

- Optimization of the greenhouse
- Measuring differences in the differences in the greenhouse
- Optimization of the rootzone
- Range of settings of nutrient and moisture on the phone
- Simple to use
- Data can be exported to the computer.
- Full insight in data

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CannaTechnics
BUILDING CANNABIS GREENHOUSES

bluelab® pH pen

The ultimate handy solution for measuring pH



1 year

HANDHELD
EASY TO USE

CODE: PENPH

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

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



1 year

HANDHELD EASY TO USE

CODE: PENCON

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

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

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bluelab soil pH pen

pH measurements direct from your media



1 year

HANDHELD EASY TO USE

CODE: PENSOILPH

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



Toolkit Contents

- Bluelab® pH Pen
- Bluelab® Conductivity Pen

WITH BONUS:

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

BONUS TOOLS INSIDE!

1 year

HANDHELD EASY TO USE

CODE: PENGTB

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

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bluelab® truncheon® nutrient meter

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



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

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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	✓	✓
	✓	✓
	✓	✓

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)	

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BUILDING CANNABIS GREENHOUSES

bluelab multimedia pH meter

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



5 year
6 months for Leap pH Probe

HANDHELD EASY TO USE

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!



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BUILDING CANNABIS GREENHOUSES

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.*

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CannaTechnics
BUILDING CANNABIS GREENHOUSES

bluelab guardian monitor

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



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

Continuous Monitoring

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

2 year

WALLMOUNT



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

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CannaTechnics
BUILDING CANNABIS GREENHOUSES

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			✓