GrowControl SXH is a precision digital sensor transmitter for temperature, pH, conductivity. SXH+ includes optional oxidation reduction potential or dissolved oxygen probe input. Optional color LCD display and button interface allows instant access to sensor readings, guided calibration, alarms, historical graphing and more.

Internal memory logs over 20,000 data points per sensor. Available with WiFi module for remote monitoring, data logging, alerts, and more. LX1 USB AgrowLink connects the GrowNET port to a PC for datalog download to .csv, graphing, calibration, configuration, updates, etc. using free PC software.

Connects to Agrowtek's GrowControl Cultivation Controllers as part of a complete facility control solution. LX2 ModLINK connects GrowNET™ devices to RS-422/485 for MODBUS RTU protocol.
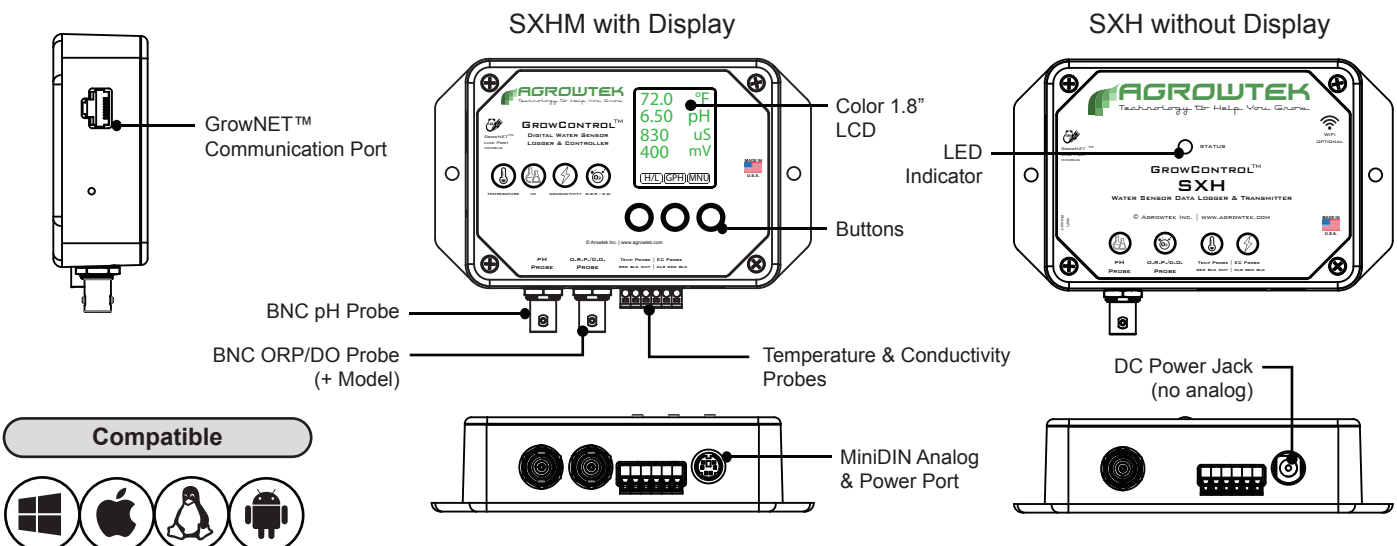
## Sensors

**Water Temperature**
-20 - 60°C x 0.1°

**Conductivity**
0 - 5000uS x 10uS

**pH**
0 - 14pH x 0.01pH

**ORP or DO (+ model)**
+/-1000mv x 1mV
0 - 20mg/mL x 0.1mg/mL

**Color LCD display for sensor monitoring & graphing** *optional*

**Real Time Clock (RTC)**
*Battery Backup Included*

## Features

**WiFi optional for direct sensor monitoring and web portal connection**

**GrowNET link for connection to AgrowDose Pumps or GrowControl™ master controller**

**Available 4-20mA analog outputs MODBUS RTU for industrial PLC applications**

**Durable splash-proof ABS plastic enclosure Conformal coated circuit boards**

**1-Year Warranty**

**Made in USA**

### SXHM with Display

GrowNET™ Communication Port

Color 1.8" LCD

Buttons

BNC pH Probe

BNC ORP/DO Probe (+ Model)

Temperature & Conductivity Probes

MiniDIN Analog & Power Port

### SXH without Display

LED Indicator

DC Power Jack (no analog)

## Compatible

# SXH

## Temperature / pH / EC (+ ORP/DO)

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### Typical Applications

 Greenhouses & Indoor Growing Facilities

 Industrial Processes, PLC's
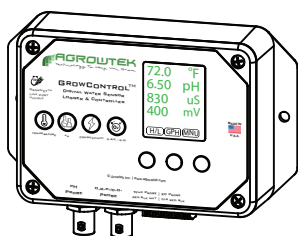
 Pool & Spa

 Aquarium

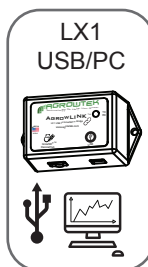 Analytical, Data Logging research & academic applications
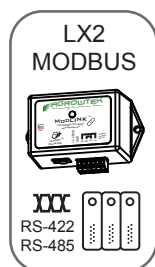
 OEM & custom applicatoins

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### Stand Alone

| WiFi | LX1 USB/PC | LX2 MODBUS |
| --- | --- | --- |

RS-422
RS-485
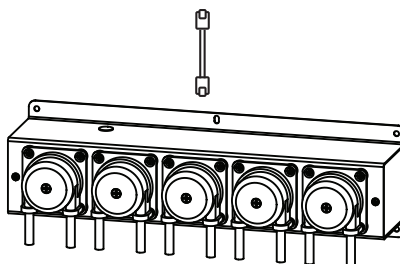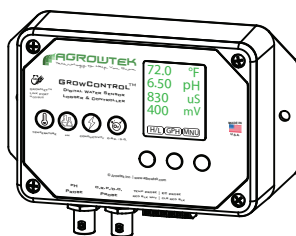
Use as a basic monitor or connect directly to a computer using the LX1 USB AgrowLINK and free PC software for data logging and email alerts. *API and C# demo code available for custom applications.*
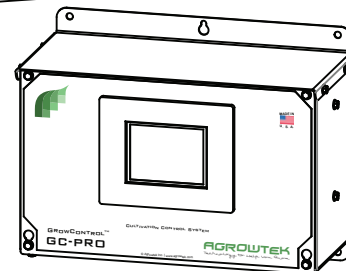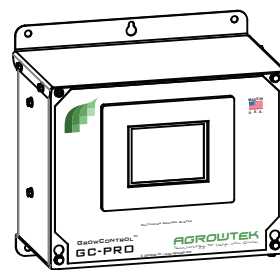
Add the WiFi option to monitor the sensor directly from any web browser, or link the sensor to your Agrowtek web portal account.

### MDX Dosing Controller

Combine a SXHM Hydro sensor and AgrowDose pump to form a powerful and economical automatic nutrient and pH (+ORP) dosing system. Configure basic dosing functions on the sensor screen to operate a dosing pumps without a controller. Log data to the internal memory or web portal, send email alerts and more.
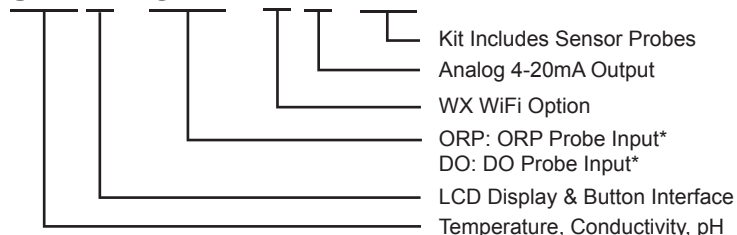
### Master Controller

Connect to GrowControl Cultivation Controllers for advanced functions as part of a complete facility control solution. GrowControl systems are loaded with intelligent control functions optimized for today's complex growing environments.

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### Ordering Options

SXHM +ORP - W T - KIT

- Kit Includes Sensor Probes
- Analog 4-20mA Output
- WX WiFi Option
- ORP: ORP Probe Input*
- DO: DO Probe Input*
- LCD Display & Button Interface
- Temperature, Conductivity, pH

*software selectable in field

### Optional Accessories

**LX1**
USB AgrowLINK
GrowNET Bridge

**LX2**
ModLINK
MODBUS Bridge

**HX8**
GrowNET
8-Port Hub

**AD**
AgrowDose Peristaltic
Dosing Pumps

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