GrowControl SXH is a precision digital sensor transmitter for temperature, pH, conductivity. SXH+ model includes optional oxidation reduction potential probe input. Optional color LCD display and button interface allows instant access to sensor readings, guided calibration, alarms, historical graphing and more. Precision electronics with fully isolalated probes for reliability in harsh conditions.

Connects to Agrowtek's GrowControl™ GCX Cultivation Controllers as part of a complete facility dosing control solution. LX2 ModLINK™ connects GrowNET™ devices to industrial MODBUS RTU protocol.

Internal memory logs over 20,000 data points per sensor. Optional LX1 USB AgrowLink connects the GrowNET™ port to a PC for datalog download to .csv, graphing, calibration, configuration, updates, etc. using free PC software.
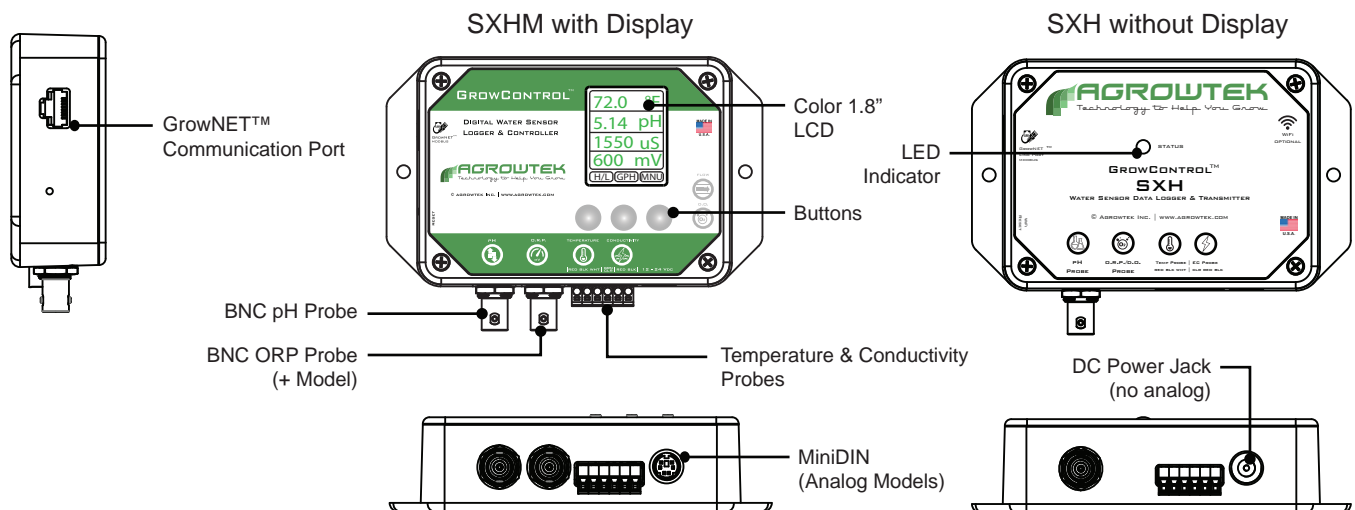
Sensors

Water Temperature
-20 - 60°C x 0.1°

Conductivity
0 - 5000uS x 10uS

pH
0 - 14pH x 0.01pH

ORP (+ model)
+/-1000mv x 1mV

Color LCD display for sensor monitoring & graphing *optional*

Real Time Clock (RTC)
Battery Backup Included

Features

GrowNET™ connection to AgrowDose™ Pumps or GrowControl™ GCX controllers

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 Probe (+ Model)

Temperature & Conductivity Probes

MiniDIN (Analog Models)

SXH without Display

LED Indicator

DC Power Jack (no analog)

Applications

 Greenhouses & Indoor Growing Facilities

 Industrial Processes, PLC's

 Pool & Spa

 Aquarium

 Analytical, Data Logging research & academic applications

 OEM & custom applicatoins

GrowControl™ GCX Controller

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

Mini Doser

Control up to a 6-head AgrowDose ™ ADi dosing pump with the SXHM controller (also known as the MDX dosing system.) Use the intuitive menu interface to configure the target values, assign pumps and dose sizes, calibrate sensors and more. Simple and reliable system automatically maintains your pH, ORP and nutrient levels in a reservoir.
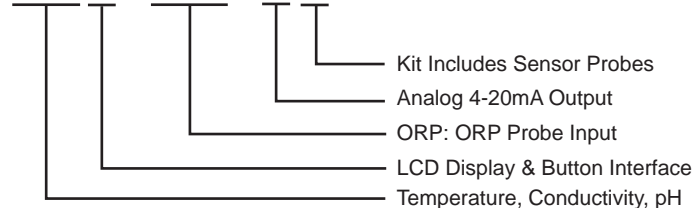
MODBUS

GrowNET™ devices are easy to implement on PLC systems with MODBUS RTU and a LX2 ModLINK interface. Multiple GrowNET™ devices can be connected to an interface with HX8 GrowNET™ hubs.

Ordering Options

SXHM +ORP - T K

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

*software selectable in field
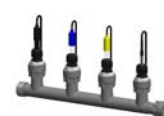
Optional Accessories

LX1
USB AgrowLINK™

LX2
RS-485 ModLINK™

HX8
GrowNET™ Device Hub

PBX
Plumbing Manifolds