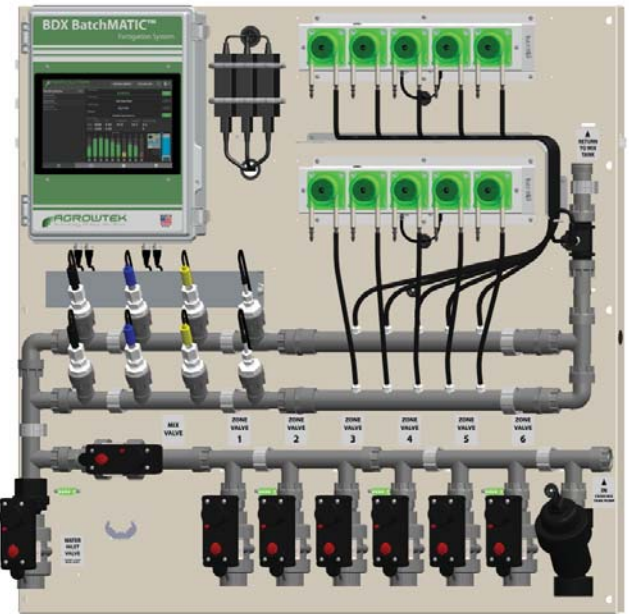


 Modbus



MADE IN U.S.A.

GrowControl™ Technology since 2007

Agrowtek Inc. is a premier automation controls and fertigation systems manufacturer for a variety of agricultural and industrial sectors around the world. Our products include environment sensors and controls, liquid sensors and fertigation systems, soil sensors and irrigation controls, chemical pumps, relay modules and other devices for intelligent automation.

Our extensive product offerings have been developed and evolved based on direct feedback from customer needs and experiences in the field. With nearly two decades in electronic controls, our team of experts is dedicated to delivering innovative and cost effective technologies that are keys to a “growing” organization’s success.

Precision

High quality digital sensor technology delivers accurate data to the control system about the environment, water and soil conditions for intelligent feedback based control and data logging.

Reliability

Systems and components are designed for high reliability in demanding environments. Automated assembly, optical inspection systems, robotic conformal coating and multiple stages of testing during manufacturing are in place to ensure product quality.

Scalability

Our fully scalable product range is designed to manage nearly every aspect of a modern growing facility’s climate, lighting and fertigation requirements. Systems easily scale as a business grows and facilities expand simply by connecting more components.

Forward Design

Our systems feature free, easy firmware and software updates over the internet with new features and capabilities as we continue to innovate with feedback from customers and new industry trends.



Made in USA

We manufacture our high-tech products in the U.S.A. at our factory in Brookfield, Wisconsin. Our facility features two high-speed precision SMT assembly lines for electronics assembly, automated optical inspection systems, robotic conformal coating and in house engineering and support staff. We take pride in the quality of manufacturing and engineering that we put into every one of our products and services and we stand behind them with full warranties and helpful support.



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Product UPC, shipping weight and package dimensions are listed with each item.

All pricing is subject to change without notice. Please ensure you have the latest copy of the catalog for current pricing.

REV 03/26

Cultivation Control Systems

GrowControl™ cultivation control systems are designed from the ground-up to be the most flexible, advanced climate and dosing control solution that modern, demanding growers can depend on. Automate your heating, cooling, lighting, vents, curtains, pumps, timers, nutrient dosing, pH dosing, and much more!

Built with Agrowtek's exclusive "Flexnology™" which allows the user to tailor the controller's functions precisely to their requirements. A large 'tool box' of control functions is provided to design and build your custom control strategy with ease. Includes all of the standard intelligent functions you would expect in a climate control system.



Model	GCXmini	GCX	GCX+
Standard Application	1 Room	Typical Facility	Large Facility
GrowNET™ Device Limit	8	100	200
Screen Size	7"	10.1"	15.6"

GrowControl™ systems connect to various sensors, I/O and accessories to form a network of smart devices to control the environment. Devices connect simply using standard RJ45/Ethernet cabling. HX8 GrowNET™ hubs expand the GrowNet™ network.

Sensors



GrowControl™ precision digital sensors provide GCX systems with data on the indoor and outdoor environments, nutrient water, liquid levels and more. The sensor values are used to control equipment in the environment, log data and send email alerts.

I/O Modules, Relays



GrowControl™ relays interface GCX systems with equipment. Mix and match various types of relays depending on the type of connections required. Options include outlet relays, wet/dry contacts, fwd/rev motor controllers and more.

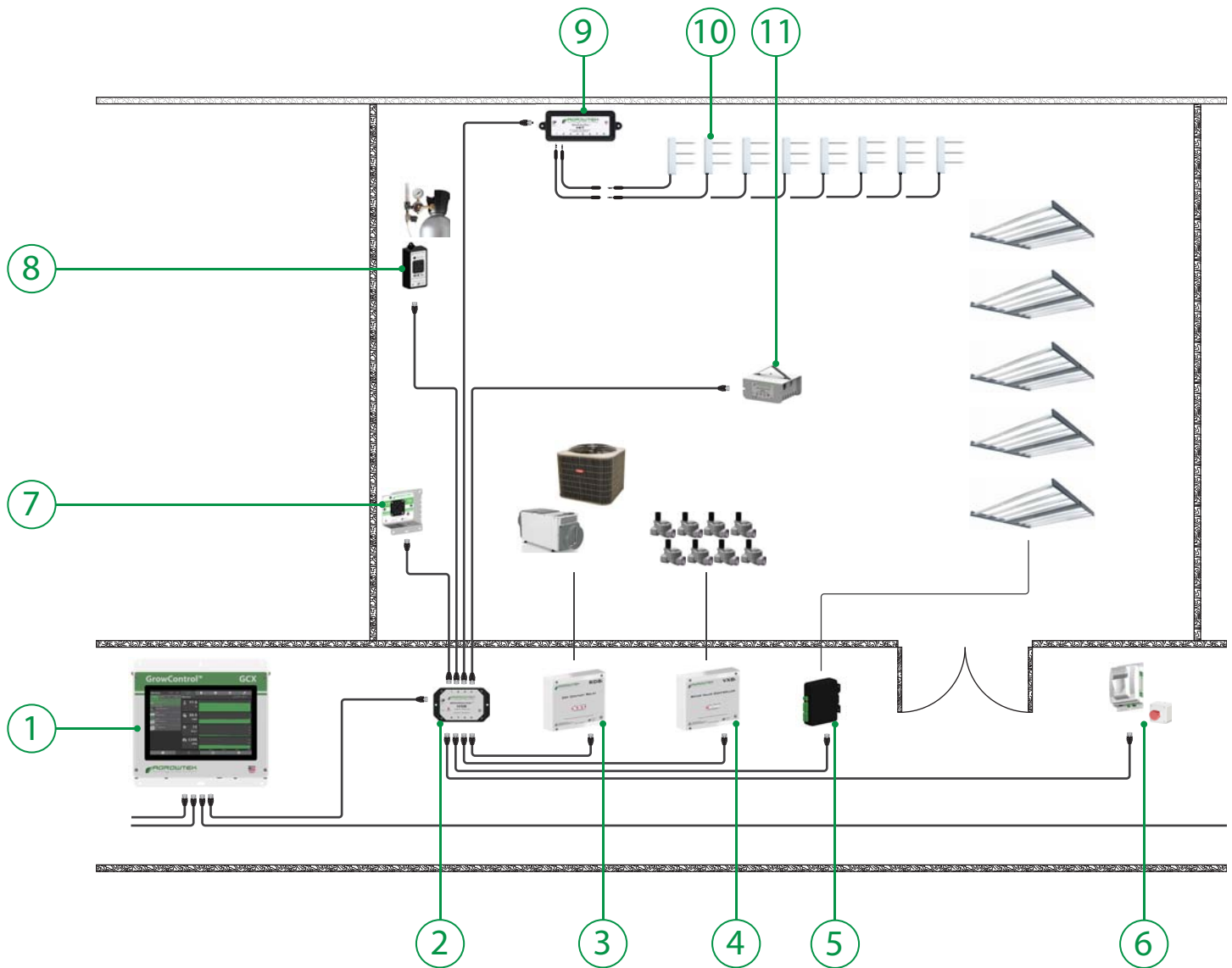
Dosing Pumps



AgrowDose™ pumps allow GCX systems equipped with hydroponics sensors to automate nutrient and pH dosing functions.

Typical Room Equipment

A typical growing environment requires sensors for the environment and media, as well as components to control the lighting, irrigation valves, HVAC equipment, CO2 valves and more. Control equipment can be pre-installed into G-Panel enclosures by Agrowtek, or can be installed where needed by the installer.



- 1. GCX Controller
- 2. HX8 Hub
- 3. RD8i Dry Contacts
- 4. VX8i Valve Controller
- 5. DXV4 or LXD
- 6. AXG Gas Alarm
- 7. SXG Gas Sensor
- 8. RX1i Outlet
- 9. HXT hub
- 10. Teros 12
- 11. SXC Climate Sensor

One controller operates the entire facility in most cases. HX8 hubs split the RJ-45 GrowNET connections from the controller to devices. One HX8 is usually located outside of each growing environment. Dry contacts control HVAC, Humidifiers, Dehumidifiers and other equipment. Operates up to 8 irrigation valves with included power supply. Lighting interface for 0-10V dimmable lights or digital lighting protocols. Horn Strobe module with purge button for CO2 gas alarming and room purge. CO2 Gas sensor for wall mounting near ground levels for CO2 alarming. Single outlet relay used for CO2 valves, fans and other misc. 120V equipment. Teros 12 moisture sensor hub for eight (8) T12 sensors. Soil moisture and conductivity sensors for crop steering. Integrated precision sensor for temperature, humidity, light, CO2 and IR.

GrowControl™ GCX

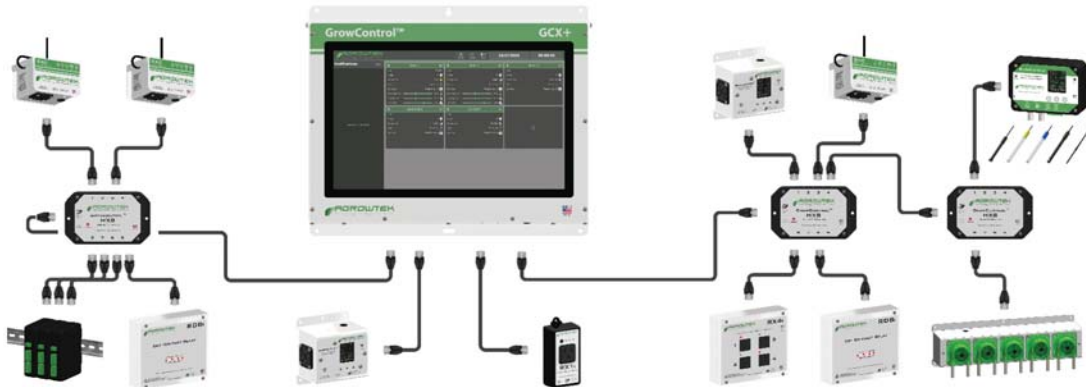
Complete Facility Cultivation Control Systems

The cultivation control solution that modern growers can depend on for reliability and flexibility to meet challenging requirements. Manage, monitor, and control all aspects of your facility's climate equipment and hydroponics systems including: automatic dosing, irrigation, lighting dimming, HVAC and more. Always be in control with remote access, and always be aware of potential problems immediately with onboard email and sms alerts.



Managing even the most complex environments is a simple task with a sleek and intuitive interface, extensive control programming capabilities and robust, easy-to-install hardware. As many as 100 Agrowtek GrowNET™ devices can be connected to the GCX system, and 200 GrowNET™ devices can be connected to the GCX+ system. Devices connect using standard Ethernet cable for robust and economical installation.

Built on over a decade of commercial experience, Agrowtek's GCX controllers are the most advanced and economical in the industry. Large scalability allows a facility to start simple and add devices as needs change.



Details

- High Reliability GrowNET™ Digital Devices
- 100/200 GrowNET™ Device Capacity
- High Resolution, Easy-to-Use Modern Interface
- Highly Flexible Programming, Simple to Configure
- Powder-Coated Aluminum Enclosure
- Industrial Components for Long Life/Reliability
- Designed & Manufactured in the U.S.A.!
- Full 3-Year Factory Direct Warranty

Standard Functions

- Lighting (Timers, Dimming)
- Temperature (Heating, Cooling, Evaporative, A/C)
- Humidity (Dehumidification, Fogging)
- Timers (24 Hour, Cycle, Irrigation, etc.)
- CO2 ppm (Injection, Exhaust, Alarms)
- Motor Position Controls (Curtains, Ridge Vents, etc.)
- Nutrient & pH Dosing
- Advanced Logic, Math, Recipes & more!

GrowControl™ GCX Cultivation Controller

UPC: 813474021903 4 lb (14x14x4)

GCX

\$2,799.00

GrowControl™ GCX+ Cultivation Controller

UPC: 813474021910 4 lb (18x16x4)

GCX+

\$4,299.00

Options

USB WiFi Module

UPC: 813474021477 0.2 lb (2x2x4)

USB-WIFI

\$49.00



GrowControl™ GCXmini

Economical GCX Controller for Basic Applications

The cultivation control solution that modern growers can depend on for reliability and flexibility to meet challenging requirements. Manage, monitor, and control all aspects of your facility's climate equipment and hydroponics systems including: automatic dosing, irrigation, lighting dimming, HVAC and more. Always be in control with remote access, and always be aware of potential problems immediately with onboard email and sms alerts.

Managing even the most complex environments is a simple task with a sleek and intuitive interface, extensive control programming capabilities and robust, easy-to-install hardware. As many as 16 Agrowtek GrowNET™ devices can be connected to the GCX-mini system using standard Ethernet cable.

Built on over a decade of commercial experience, Agrowtek's GCX controllers are the most advanced and economical in the industry. Large scalability allows a facility to start simple and add devices as needs change.



Details

- High Reliability GrowNET™ Digital Devices
- 16 GrowNET™ Device Capacity
- High Resolution, Easy-to-Use Modern Interface
- Highly Flexible Programming, Simple to Configure
- Powder-Coated Aluminum Enclosure
- Industrial Components for Long Life/Reliability
- Designed & Manufactured in the U.S.A.!
- Full 3-Year Factory Direct Warranty

Standard Functions

- Lighting (Timers, Dimming)
- Temperature (Heating, Cooling, Evaporative, A/C)
- Humidity (Dehumidification, Fogging)
- Timers (24 Hour, Cycle, Irrigation, etc.)
- CO2 ppm (Injection, Exhaust, Alarms)
- Motor Position Controls (Curtains, Ridge Vents, etc.)
- Nutrient & pH Dosing
- Advanced Logic, Math, Recipes & more!

GrowControl™ GCXmini Cultivation Controller

UPC: 813474021903 4 lb (14x14x4)

GCXmini

\$1,599.00

Options

USB WiFi Module

UPC: 813474021477 0.2 lb (2x2x4)

USB-WIFI

\$49.00



[GCXmini Data Sheet](#)

Integrated HVAC Controllers

Agrowtek's integrated HVAC control units can operate standard HVAC equipment and humidity control equipment. HVAC controllers include features tailored to common indoor agriculture requirements including reheat dehumidification. Automatic power and sensor backup keeps HVAC systems running even if the main controller becomes disconnected or loses power.

Temperature Humidity Controller

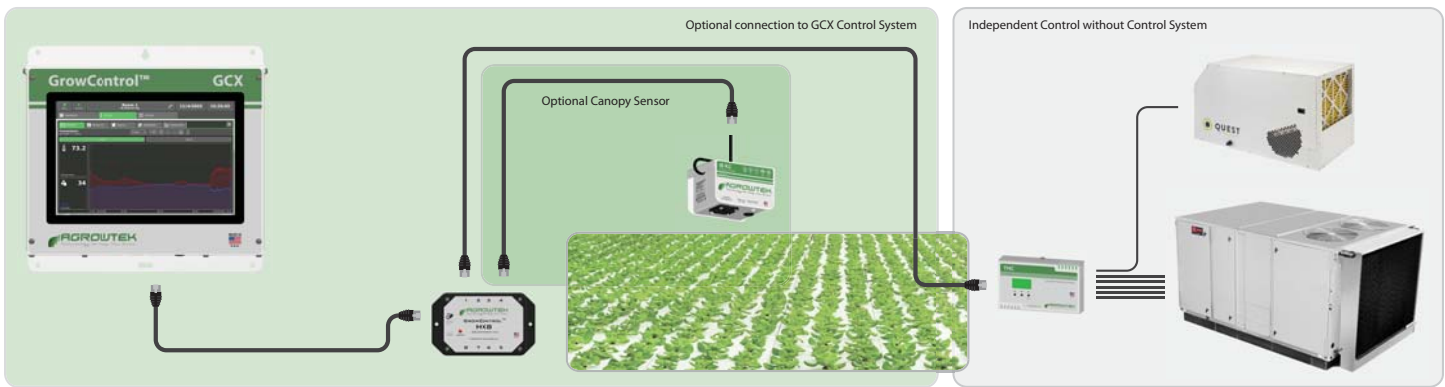
Advanced Features for Indoor Growing

THC series Temperature and Humidity Controllers are designed for intelligent control of standard HVAC systems and dehumidifiers in growing environments. Featuring advanced reheat and external humidity control options that are unique to indoor agriculture requirements. Operate heating, cooling, reversing valves, reheat dehumidification and standard humidity equipment using 24VAC control.

Connects to GrowControl™ GCX Cultivation Control Systems for operation from a central controller. Monitor, log and graph the THC's temperature and humidity data, operate from a external canopy sensors instead of the internal sensor, and schedule automatic changes to the set points.

The THC controller can operate off of the HVAC system's 24VAC power source as a stand-alone controller, or as a backup to continue operating in the event that the main control system becomes disconnected.

Made in USA.



THC Temperature Humidity Controller

UPC: 813474020104 2 lb (7x4x3)

THC

\$349.00

 [THC Data Sheet](#)

 [THC Instruction Manual](#)

Climate & Weather Sensors

Agrowtek's precision digital electronic climate sensors for GrowControl™ systems provide high accuracy and reliability with an impressive array of features ideal for many different types of applications. Climate and weather sensors feature an aspirated temperature and humidity sensor, light sensor and optional CO2 ppm sensor. Weather stations may also be equipped with wind speed and direction sensors. Common models are shown below.

SXC



Precision indoor hanging climate sensor array for agriculture.

SXE



Wall mounted indoor environment sensor & data logger with LCD display.

SXW



Outdoor weather sensor with optional wind speed & directions sensors.

SXC Indoor Climate Sensor

The Industry Standard in Climate Monitoring

GrowControl™ SXC is a precision agricultural climate sensor featuring temperature, humidity, and ambient light sensors standard. Optional CO2 ppm sensor allows accurate readings up to 40,000 ppm. Optional PLIR™ downward-looking plant-leaf infrared sensor provides real-time leaf temperatures for VPD measurements.

Compact sensor array features an improved enclosure design for enhanced durability and performance in controlled indoor agriculture applications. Fan aspirated for continuous accuracy with easy-to-service air filter.

Sensor hangs in the environment above the crop canopy from the standard RJ-45 cable. One sensor recommended for every 2,000-3,000 square feet.

Connects to Agrowtek's GrowControl™ GCX Cultivation Controllers as part of a complete facility control solution, or, to third-party PLC's and building automation controls with a LX2 ModLINK™ for MODBUS RTU (via RS-485.)

Made in USA.

GrowControl™ SXC Indoor Climate Sensor

UPC: 813474020104 2 lb (7x4x3)

Options

CO2 ppm Sensor 0-40,000ppm

UPC: 813474020111 0.1 lb (2x2x2)

PLIR™ Plant Leaf IR Temperature Sensor

UPC: 813474020111 0.1 lb (2x2x2)



SXC \$319.00

SX-CO2 \$119.00

SX-PLIR \$169.00



[SXC Data Sheet](#)



[SXC Instruction Manual](#)

SXE Indoor Environment Sensor

Wall Mounted Climate Sensor with Display

GrowControl™ SXE Environment Sensor & Data Logger is a precision digital indoor sensor featuring temperature, humidity, ambient light and optionally CO2 ppm. Fan aspirated for continuous accuracy with removable air filter. Bright color display and 3-button interface make this unit capable of operating stand-alone for sensor monitoring, or connect to Agrowtek's GrowControl™ systems for advanced environmental control solutions.

Internal memory logs 20,000+ data points for months or years of storage. Accurate real-time-clock with battery backup keeps log time accurate during power outages. USB AgrowLink connects the GrowNET™ port to a PC for datalog download to .csv, graphing, calibration, configuration, updates, and more using free PC software. Alarm set points can be configured to activate an internal buzzer to alert operators.



Full color display screen features large, bright green sensor readings for easy visibility, plus a range of functions that can be performed directly from the menus including high/low history, graphical history, alarm set points & buzzer, sensor calibration, data logging options and more. Display automatically shuts off after a programmable time-out, or can be set to stay on.

Made in USA.

GrowControl™ SXE Indoor Environment Sensor

UPC: 813474020845 2 lb (7x4x3)

SXE \$389.00

Options

CO2 ppm Sensor 0-40,000ppm

UPC: 813474020111 0.1 lb (2x2x2)

SX-CO2 \$119.00

Standard Power Supply (for monitor-only applications)

UPC: 813474021118 0.3 lb (2x4x4)

PSU-24X1000 \$29.00

SXCR Mushroom Environment Sensor

High Humidity | Micron Filter

GrowControl™ SXCR is a precision digital environment sensor designed for use in high humidity mushroom culture applications. Sealed enclosure with micron filter protects sensor electronics and prevents droplets of water from entering the enclosure while still allowing CO2 and water molecules to pass through the filter.

Features temperature, humidity, and ambient light sensors standard. Optional CO2 ppm sensor allows accurate readings up to 40,000 ppm with reliable NDIR sensor technology. Sensor is passive (no aspirator fan) and should be shielded from intense radiation.

Made in USA.



GrowControl™ SXCR Mushroom Climate Sensor

UPC: 813474022467 2 lb (5x4x3)

SXCR \$339.00

Options

CO2 ppm Sensor 0-40,000ppm

UPC: 813474020111 0.1 lb (2x2x2)

SX-CO2 \$119.00



[SXCR Data Sheet](#)



[SXCR Instruction Manual](#)

SXW Weather Station Sensor

Outdoor Weather, Rain and Wind



GrowControl™ SXW Weather Monitor & Logger is a precision digital outdoor sensor station featuring temperature, humidity, ambient light, and optionally wind speed anemometer, wind direction vane and optical rain sensor.

Housed in a rugged powder coated aluminum enclosure and designed for pole mounting. Internal memory logs 20,000+ data points for months or years of storage. Accurate real-time-clock with optional battery backup keeps log time accurate during power outages.

Shown with optional rain sensor, wind sensors, and pole mounting bracket kit. Made in USA.



Wind Speed Anemometer

Wind speed anemometer with 3 cup rotor measures wind speeds from 1 to 125 MPH. Rugged for harsh conditions and sensitive to the slightest breeze.

Wind Direction Vane

Agrowtek's wind vanes have zero dead band, are near-zero friction reading a full 0-360 degrees wind direction.

GrowControl™ SXW Outdoor Weather Sensor

UPC: 813474020432 2 lb (7x6x3)

SXW

\$449.00

Options

Wind Speed Anemometer Sensor

UPC: 813474020463 1 lb (Clear Bag)

SX-A

\$159.00

Wind Direction Vane Sensor

UPC: 813474020470 1 lb (Clear Bag)

SX-V

\$279.00

SXR Rain Sensor (installed)

UPC: 813474020487 0.6 lb (6x3x3)

SXR-W

\$229.00

Pole Mounting Bracket Kit

UPC: 3 lb

PMK-1

\$89.00



[SXW Data Sheet](#)



[SXW Instruction Manual](#)

SXR Rain Sensor

Optical | No Moving Parts | Rugged

GrowControl™ SXR Rain Sensor is a high quality optical type rain sensor with no moving parts. The rain gauge senses water hitting its outside surface using beams of infrared light. It uses the same sensing principle used in millions of automotive rain sensing windshield wiper controls.



Connect to GC-Pro or GC-ProXL controller digital inputs to close vents and windows down to a weather set-point at the first sign of rain.

Equipped with arm for mounting to structure or weather station. Includes a built-in heater to allow use in temperatures down to 32°F (0°C). Smart logic prevents false triggers from dust and other slow build-up of accumulation. Adjustable sensitivity allows for four different settings which activate the sensor from the slightest amount of rain to heavy rainfall. Operates on 24Vdc from controller and connects directly to any digital input.

GrowControl™ SXR Rain Sensor

UPC: 813474020487 0.6 lb (6x3x3)

SXR

\$219.00



[SXR Instruction Manual](#)

SXIR Infrared Temperature Sensor

Plant Canopy & Equipment Monitoring

SXIR Infrared Pyrometer / Radiometer is a precision non-contact IR surface temperature sensor. Featuring the same quality sensors as the PLIR™ sensor that is integrated into SXC climate sensors. Rugged design and low cost allow the sensors to be permanently mounted in the growing environment.

Locate the sensor above canopy, in tiered racks, or even aimed at equipment that you want to monitor for temperature. A 37.5 degree sensing angle gives the sensor flexibility when selecting a mounting positioning.

Housed in a weather resistant enclosure for indoor mounting. Includes a stainless steel bracket for mounting on a standard 1/2" EMT/PVC conduit pole or standard tripod mount.

Made in USA.



GrowControl™ SXIR Infrared Pyrometer

UPC: 813474022535 2 lb (5x4x3)

SXIR

\$219.00



[SXIR Data Sheet](#)



[SXIR Instruction Manual](#)

SXQ Quantum Light Sensor

PAR / PPFd | Lux | CCT | Spectral Intensity

SXQ Quantum Light and Spectrum sensor provides precision data on the light quality and energy delivered to your crop in real time. SXQ sensor detects light intensity in Lux and "ePAR" PPFd, color temperature (°K) and relative spectral intensity in one compact package.

Control your daily lighting integral (DLI) by managing supplementary lighting and more based on accurate plant canopy measurements. Rugged design and low cost allow the sensors to be permanently mounted in the growing environment.

Housed in a weather-proof enclosure for indoor or outdoor mounting with outdoor rated cable. Includes a stainless steel bracket for mounting on a pole or vertical surface. Designed for standard 1/2" EMT or PVC conduit.

Made in USA.



GrowControl™ SXQ Quantum Light Sensor

UPC: 813474022467 2 lb (5x4x3)

SXQ

\$399.00



[SXQ Data Sheet](#)



[SXQ Instruction Manual](#)

Gas Sensors & Alarms

Precision digital electronic gas sensors for HVAC and for CO2 alarming and exhaust control.

SXP



Digital Manometer
Differential Pressure
Sensors

SXG/AXG



CO2 Sensing and
Alarming

SXP Differential Pressure Manometer Sensor

Filter Monitoring | Velocity Sensing | Room Pressure

GrowControl™ SXP is a precision differential pressure sensor designed for monitoring pressures in HVAC system ducts and positive pressure environments.

Two 3/16" tubing barbs connect the sensor to ducting or segregated spaces to monitor duct flow and velocity, filter back pressure and room pressures.

Precision digital sensor measures 0 - 2 inches water column (in H2O.)

Made in USA.



GrowControl™ SXP Differential Pressure Manometer 0-2" WC

UPC: 813474022382 1 lb (4x3x2)

SXP-20

\$289.00

 [SXP Data Sheet](#)

 [SXP Instruction Manual](#)

SXG Indoor Gas Sensor

Wall Mounted CO2 Sensor

GrowControl™ SXG is a precision aspirated gas sensor for CO2 concentration in indoor spaces. Designed for alarm monitoring applications in indoor growing environments. Mounts to grow room wall 12" from the floor or as required by local codes.

Use with ALX horn strobe alarms as part of a CO2 alarm system on GCX controllers.

Reliable NDIR sensor technology offers an accurate sensing range between 0 - 40,000 ppm. Fan aspirated for continuous accuracy and fast response time. Removable air filter can be serviced without tools.

Made in USA.



GrowControl™ SXG Indoor Gas Sensor, CO2

UPC: 813474022337 2 lb (4x4x2)

SXG-CO2

\$349.00



[SXG Data Sheet](#)



[SXG Instruction Manual](#)

AXG Gas Alarm Horn Strobe

Loud Horn | Flashing Strobe | Purge Button Input

GrowControl™ AXG modules are designed for use in grow facilities to indicate alarm conditions with an audible horn and visual strobe. Optional purge switch connects via two-wire cable to the input terminals on the bottom of the unit. When the purge button is activated the GrowControl™ GCX control system exhaust will purge until the carbon dioxide concentration has reached a safe level and the alarm silences. Additional NO/NC dry-contact terminals for external device control or additional horns/strobes.

Use with SXG CO2 gas sensors as part of a CO2 alarm system.

Connects to Agrowtek's GrowControl™ GCX Cultivation Controllers as part of a facility monitoring and control solution for alarm and exhaust control. AXG alarm modules can be located both inside and outside the grow space.

Made in USA.



GrowControl™ AXG Horn Strobe Module

UPC: 813474022344 2 lb (4x6x3)

AXG-CO2

\$399.00

Purge Button Emergency Switch

UPC: 813474022351 1 lb (4x3x2)

SW1

\$64.00



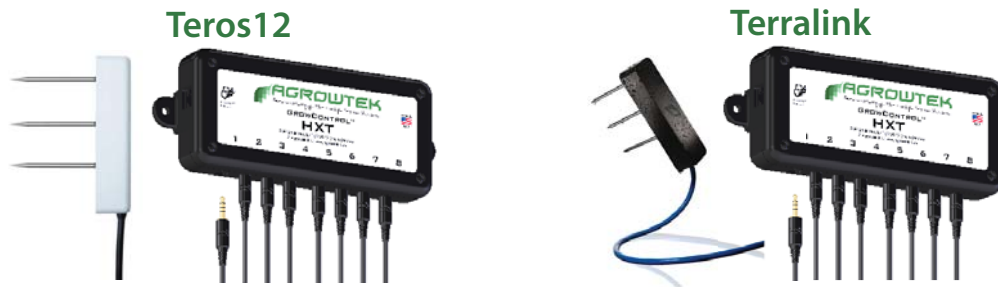
[SXG Data Sheet](#)



[SXG Instruction Manual](#)

Soil Moisture Sensors

Meter Group's Teros12 sensors and Growlink's Terralink sensors offer VWC, conductivity and temperature readings and use the HXT sensor interface for connection to GCX systems.



HXT Moisture Sensor Hub

VWC Moisture Sensor Interface

VWC moisture sensors for soil and other growing media are a popular option for monitoring dry-back and controlling irrigation in hydroponics applications.

HXT sensor hubs allow GrowControl™ GCX systems to monitor and log the data from Teros12 or Terralink sensors including VWC, EC and temperature. Each HXT module can support up to eight (8) sensors.

VWC sensors from Agrowtek include a 5m (16ft) cable with TRS (stereo) connector for direct connection into the HXT sensor hub. *Sensors with M8 connections require an adapter cable to convert to TRS.*



HXT Sensor Hub for Teros12/Terralink Sensors

UPC: 813474022269 1 lb (5x4x2)

HXT+

\$279.00

Terralink Media Sensor (non -discountable)

UPC: 813474022603 1 lb (3x4x2)

TLNK

\$309.00

SDI12 TRS Extension Cables

Extension cables for use with Teros 12 and Terralink moisture sensors with TRS (stereo) type connector (standard from Agrowtek.) Cables simply connect together to extend to the length required and are easy to plug and unplug. Use heat-shrink tubing to moisture seal connections.



TRS Extension Cable, 25ft

UPC: 813474022429 2 lb (4x4x1)

CAB-TRS-25

\$24.00

TRS Extension Cable, 50ft

UPC: 813474022429 2 lb (4x4x1)

CAB-TRS-50

\$29.00

SDI12-M8 Adapter Cables

M8-to-TRS adapter cable for use with "Aroya" brand Teros 12 sensors with M8 type connector (circular 4-pin.)

Connect the M8 cable on Aroya supplied sensors to Agrowtek's HXT hubs with TRS connection.



M8-to-TRS Adapter Cable, 5m (16ft)

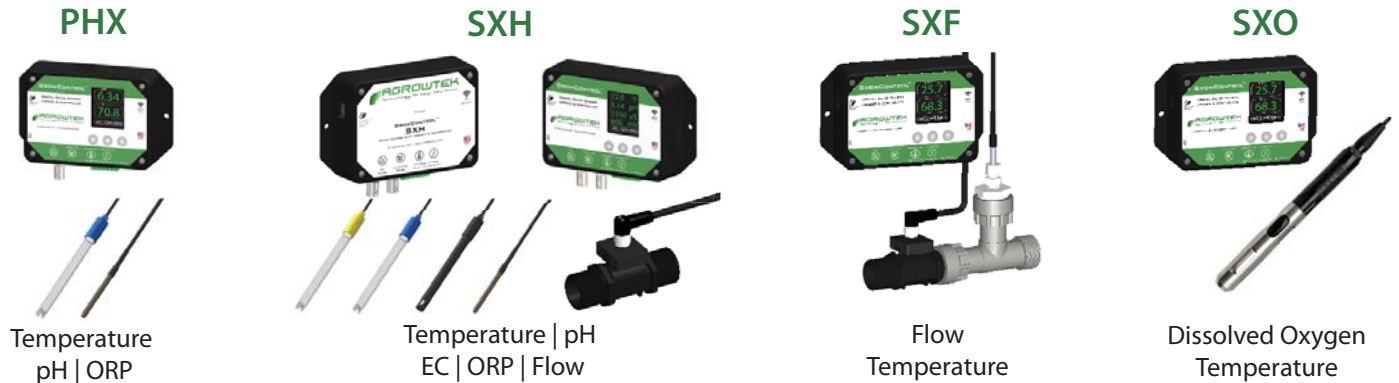
UPC: 813474022412 1 lb (4x4x1)

CAB-T12-M8

\$48.00

Hydroponics & Water Sensors

Precision digital water chemistry sensor transmitters, data loggers and peristaltic pump controllers are available for GrowControl™ systems in a variety of configurations depending on the sensor inputs and display required. Units may also be used for stand-alone monitoring applications with an optional power adapter.



PHX pH Transmitter & Controller

pH | Temperature | ORP

GrowControl™ PHX is a precision digital sensor transmitter, data logger, monitor and controller for pH and temperature sensors. PHX+ model includes an ORP/DO input. Optional bright color display and 3-button interface make this unit capable of operating stand-alone for sensor monitoring, alarms, graphing, on-site calibration, and more. Digital electronics with isolated inputs accurately read and record sensor data.

Internal memory logs 20,000+ data points per sensor for months or years of storage. USB AgrowLink connects the GrowNET™ port to a PC using free PC software. LX2 ModLINK interface connect to RS-485 networks using standard MODBUS protocol.

Full color display screen features large, bright green sensor readings for easy visibility, high/low history, graphical history, alarm set points and buzzer, sensor calibration, data logging options and more.

PHX+ option adds an ORP probe input/dosing control to the PHX transmitter. Ideal for sanitation applications including pools, industrial process water, washing systems, aquariums, aquaponics and more.

Spear-Tip Rockwool pH Probe (optional)

pH probes with spear tip for insertion into rockwool media. Moisture levels in most rockwool media are sufficient for continuous monitoring. Recommended for use in media maintained at 40% VWC and above.

Made in USA.

With Display

GrowControl™ PHX pH, Temp Monitor with Probes

UPC: 813474021651 1 lb (6x4x2)

GrowControl™ PHX+ pH, Temp + ORP Monitor with Probes

UPC: 813474021668 1 lb (6x4x2)

GrowControl™ PHXR Rockwool pH & Temp Monitor with Probes

UPC: 813474022504 1 lb (6x4x2)

Optional

Standard Power Supply (for monitor-only applications)

UPC: 813474021118 0.3 lb (2x4x4)



PHXM-K \$499.00

PHXM-K+ORP \$719.00

PHXRM-K \$579.00

PSU-24X1000 \$29.00



SXH Hydroponics Transmitter & Controller

Temperature | pH | Conductivity | ORP | Flow



GrowControl™ SXH is a precision digital sensor transmitter, data logger, monitor and controller featuring temperature, pH, and conductivity sensors for water. SXH+ model also includes an oxidation reduction potential sensor input. Optional bright color display and 3-button interface make this unit capable of operating stand-alone for sensor monitoring, alarms, graphing, on-site calibration, and more. Digital electronics with isolated inputs accurately read and record sensor data.



Internal memory logs 20,000+ data points per sensor for months or years of storage. USB Agrow-Link connects the GrowNET™ port to a PC for datalog download to .csv, graphing, calibration, configuration, updates, and more using free PC software. LX2 ModLINK interface connect to RS-485 networks using standard MODBUS protocol.

Full color display screen features large, bright green sensor readings for easy visibility, plus a range of functions that can be performed directly from the menus including high/low history, graphical history, alarm set points and buzzer, sensor calibration, data logging options and more.

Flow Meter Option

SXH Flow meter option allows monitoring and logging of water usage and automatic start/stop of nutrient/pH dosing on MDX and GCX control systems. Accoustic flow meters have no moving parts and won't jam or clog with small debris and minor sludge. *Flow sensor made in Germany.*



Made in USA.

Sensors and probes included in kit pricing.

Without Display

GrowControl™ SXH Temp, pH, EC Monitor with Probes

UPC: 813474020128 1 lb (6x4x2)

SXH-K

\$629.00

GrowControl™ SXHF Temp, pH, EC, Flow Monitor with Probes

UPC: 813474022238 1 lb (6x4x2)

SXHF-K

\$779.00

With Display

GrowControl™ SXH Temp, pH, EC Monitor with Probes

UPC: 813474021620 2 lb (6x4x2)

SXHM-K

\$699.00

GrowControl™ SXHF Temp, pH, EC, Flow Monitor with Probes

UPC: 813474021620 3 lb (6x4x2)

SXHFM-K

\$849.00

GrowControl™ SXH+ Temp, pH, EC, ORP Monitor with Probes

UPC: 813474021620 2 lb (6x4x2)

SXHM+ORP-K

\$898.00

Optional

Standard Power Supply (for monitor-only applications)

UPC: 813474021118 0.3 lb (2x4x4)

PSU-24X1000

\$29.00

High EC (Salt Water) 80,000 uS Probe Option

UPC: 0000000000000 0.3 lb (2x2x6)

OPT-SX-EC+

\$125.00



[SXH Data Sheet](#)



[SXH Instruction Manual](#)

SX02 Dissolved Oxygen Monitor

Precision Optical Dissolved Oxygen Sensing

GrowControl™ SXO series digital dissolved oxygen monitors feature an extremely high precision and ultra-rugged optical dissolved oxygen sensor probe capable of measuring ultra-high concentrations of dissolved oxygen up to 50mg/L.

Full color display screen features large, bright green sensor readings for easy visibility, high/low history, graphical history, alarm set points and buzzer, sensor calibration, data logging options and more.

Optical Advantage

Optical dissolved oxygen sensors have significant advantages over lower-cost 'galvanic' type sensors. Optical sensors provide superior accuracy and long-term stability. Instead of requiring calibration frequently, optical sensors rarely require calibration. Instead of replacing the entire probe, only the cap requires replacement at the end of life (1-2 years.)

Connects to any GrowControl™ GCX Control System for monitoring, logging, alarming and control. LX2 ModLINK interface connect to RS-485 networks using standard MODBUS protocol.

Made in USA.



With Display

GrowControl™ SX02 Dissolved Oxygen Monitor Kit

UPC: 813474022719 3lb (13x10x7)

SX02

\$2,399.00

Optional

Standard Power Supply (for monitor-only applications)

UPC: 813474021118 0.3 lb (2x4x4)

PSU-24X1000

\$29.00

Replacement Parts

Optical Dissolved Oxygen Probe, Replacement

UPC: 813474022726 2 lb (8x5x4)

SX-ODO2

\$1,899.00

Probe Cap, Replacement

UPC: 813474022726 1 lb (5x4x4)

SX-ODO2CAP

\$419.00



[SXO Data Sheet](#)



[SXO Instruction Manual](#)

SXF Flow & Temperature Monitor

Accurate Flow Readings | Temperature Sensing



GrowControl™ SXF series precision digital sensor transmitters and controllers for inline flow and temperature feature an advanced flow sensor with no moving parts. Vortex flow meters create eddies as water flow through which are picked up and converted to a flow reading by an acoustic sensor.

Full color display screen features large, bright green sensor readings for easy visibility, high/low history, graphical history, alarm set points and buzzer, sensor calibration, data logging options and more.

Connects to any GrowControl™ GCX Control System for flow monitoring, data logging, alarming and control. LX2 ModLINK interface connect to RS-485 networks using standard MODBUS protocol.

Shown with optional temperature probe manifold.
Made in USA.



With Display

GrowControl™ SXF Flow & Temperature Monitor Kit

UPC: 813474021651 1 lb (6x4x2)

SXFM

\$499.00

Optional

Standard Power Supply (for monitor only applications)

UPC: 813474021118 0.3 lb (2x4x4)

PSU-24X1000

\$29.00

Manifold Kit for Temperature Probe

UPC: 0000000000000 0.3 lb (2x2x6)

PBX-110

\$33.00



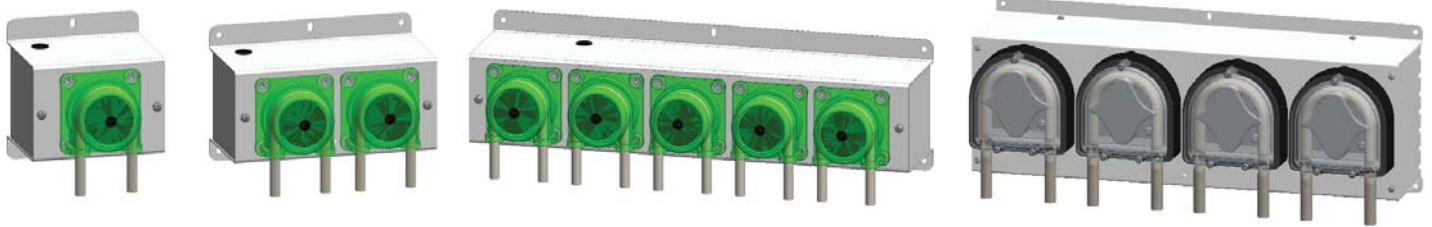
[SXF Data Sheet](#)



[SXF Instruction Manual](#)

AgrowDose™ Peristaltic Dosing Pumps

AgrowDose peristaltic pumps are a self-priming, non-contact design for metering concentrated nutrients, pH buffers and other chemicals into stock tanks.



How do Peristaltic Pumps Work?

A U-shaped piece of tubing is squeezed by rotating rollers to create suction on one end of the tube and pressure on the other end (similar to squeezing a tube of paste.) The fluid stays inside of the tubing and makes no contact with other parts of the pump. The pumps are self-priming and produce up to 20 psi of pressure on the output line. The design is rugged and capable of pumping both thick and thin viscosity fluids.

All of Agrowtek's pumps are constructed with FDA compliant tubing and are made in the U.S.A. with proven motors, gear boxes and pump heads for long, reliable life.

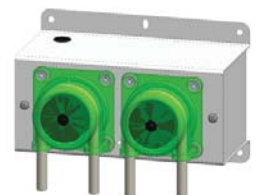
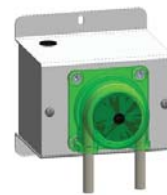
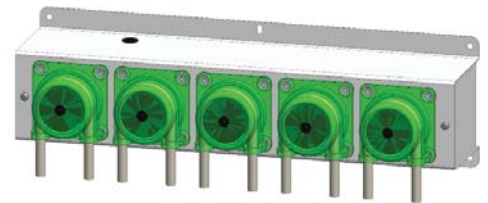
ADi AgrowDose™ Digital Intelligent Dosing Pumps

Reliable Peristaltic Pumps for Chemicals

AgrowDose™ ADi series "intelligent" chemical dosing pumps are digitally controlled, variable speed capable next-generation pumps for use with Agrowtek's GrowControl™ GCX Cultivation Control Systems and SXH hydroponics controllers for autonomous pH & EC dosing.

ADi pumps operate independently at variable speeds (up to 480 mL/min) based on dosing recipes in GCX and SXH controllers to maintain EC, pH and even ORP.

Serviceable pump head offers fast, easy maintenance. Reliable peristaltic pumps and operated by rugged digital electronics. Designed and manufactured in USA.



ADi intelligent dosing pumps feature the digital MODBUS RTU communication protocol.

AgrowDose™ AD1i Single Intelligent Dosing Pump

UPC: 813474020760 3 lb (7x5x5)

AgrowDose™ AD2i Dual Intelligent Dosing Pump

UPC: 813474020777 5 lb (9x5x5)

AgrowDose™ AD4i Quad Intelligent Dosing Pump

UPC: 813474020784 6 lb (16x5x5)

AgrowDose™ AD5i Penta Intelligent Dosing Pump

UPC: 813474021255 7 lb (22x5x5)

AgrowDose™ AD6i Penta Intelligent Dosing Pump

UPC: 813474022092 8 lb (26x5x5)

AD1i

\$449.00

AD2i

\$749.00

AD4i

\$1,079.00

AD5i

\$1,399.00

AD6i

\$1,699.00

 [AD1i Data Sheet](#)

 [AD2i Data Sheet](#)

 [AD4i Data Sheet](#)

 [ADi Pumps Instruction Manual](#)

 [AD5i Data Sheet](#)

 [AD6i Data Sheet](#)

ADi-XL AgrowDose™ Digital Intelligent Dosing Pumps

High Capacity Chemical Pumps

AgrowDose™ ADi XL series “intelligent” dosing pumps have all of the same features as the standard ADi pumps, but are larger and have a higher flow capacity. ADi series pumps are digitally controlled, variable speed capable next-generation pumps for use with Agrowtek’s GrowControl™ GCX Cultivation Control Systems and SXH hydroponics controllers for autonomous pH & EC dosing.

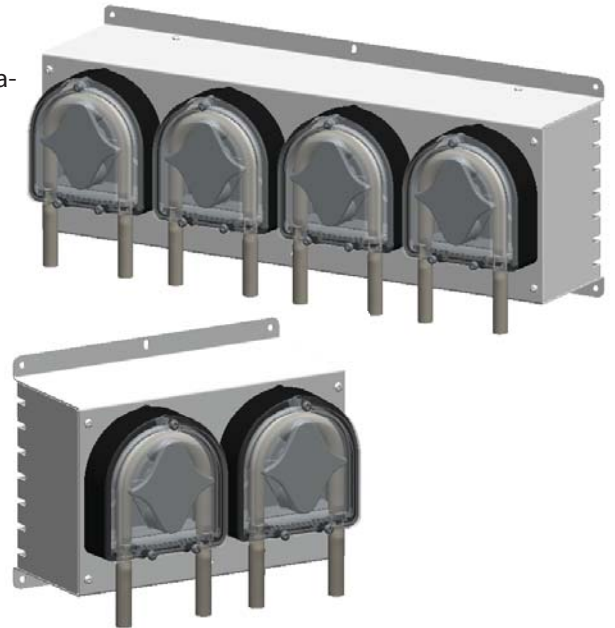
ADi-XL pumps operate independently at variable speeds (up to 1,600 mL/min) based on dosing recipes in GCX and SXH controllers to maintain EC, pH and even ORP.

Serviceable pump head offers fast, easy maintenance. Reliable peristaltic pumps and operated by rugged digital electronics.

Designed and manufactured in USA, motors made in Italy.



ADi intelligent dosing pumps feature the digital MODBUS RTU communication protocol.



AgrowDose™ AD2i-XL Dual Intelligent Dosing Pump

UPC: 813474020777 8 lb (9x13x7)

AgrowDose™ AD4i-XL Quad Intelligent Dosing Pump

UPC: 813474020784 12 lb (16x5x5)

AD2i-XL

\$1199.00

AD4i-XL

\$1,699.00



[AD2i-XL Data Sheet](#)



[AD4i-XL Data Sheet](#)

Digital Intelligent I/O Modules

Agrowtek's digital "intelligent" relays allow GrowControl™ "mini" systems to switch power on or off to equipment. Intelligent relays feature microprocessor-based control with MODBUS capabilities, relay cycle counts and more.

RX Series



RXi relays feature 120V receptacles controlled by independent relays for plug operated equipment.

RD Series



RDi relays have independent dry-contacts for HVAC, irrigation, contactor panels and more.

MX Series



MXi motor control relays operate reversible motors for shade cloths, ridge vents, side wall motors, etc.

VX Series



VX12 and VX8 modules feature transistor (wet) outputs for irrigation valves, PWM and analog inputs (DX12).

CX Series



CXi "contactor" relays are designed for high-amperage loads and can handle single or three-phase configurations.

DX Series



DXIO Din-rail mounted modules with transistor (wet) outputs, analog inputs and mixed IO.

LX Series



Lighting control interface for lighting fixtures with digital communication.

RX1 Intelligent Single Outlet Relay

120V Controlled Outlet | Plug into Wall Outlet

Convenient single relay-controlled outlet to be operated by GrowControl™ cultivation control systems. Control any piece of equipment up to 6A/120V. Red LED indicator light turns on when AC power is activated to the receptacle. RX1i can be located in any standard wall outlet and easily moved as needed.

Digital GrowNET™ port allows MODBUS protocol control on RS485 bus networks for custom applications.

UL flame rated enclosure & fully grounded for safety. Made in USA.

 [RX1i Data Sheet](#)



RX1i Digital Intelligent Single Outlet Relay, 120V 12A

UPC: 813474021521 0.6 lb (5x3x3)

RX1i

\$159.00

RX4 Intelligent Quad Outlet Relay

Four 120V Outlets | Independent Relays | LED Indicators

Convenient quad relay-controlled outlet module with independent outlets. Control equipment up to 6A/120V. Red LED indicator lights turn on when AC power is activated to the receptacles. RX4i can be ordered with the power cord kit for connection to any 120V wall outlet, or can be hard wired using the standard 1/2" EMT knock-outs for conduit.

Digital GrowNET™ port allows MODBUS protocol control on RS485 bus networks for custom applications. Internal memory logs the life cycle count on each relay. Made in USA.

 [RX4i Data Sheet](#)



RX4i Digital Intelligent Quad Outlet Relay, 120V

UPC: 813474020722 3 lb (7x6x2)

Options

120V 6ft Power Cord Kit

UPC: 813474021484 2 lb (8x5x5)

RX4i

\$439.00

CAB-120

+\$44.00

VX8 Intelligent Irrigation Valve Controller

Eight Valve Irrigation Controller for Diaphragm & Ball Valves

Valve controller module with eight (8) 1-Amp transistor (FET) outputs for operating irrigation valves. Operates Agrowtek's irrigation valves and other standard 24Vac irrigation valves. Includes power supply.

Red LED indicator lights turn on when outputs are activated. Includes standard 1/2" EMT knock-outs for conduit installation.

Digital GrowNET™ port allows MODBUS protocol control on RS485 bus networks for custom applications. Made in USA.

 [VX8i Data Sheet](#)



VX8i Digital Intelligent I/O Interface w/Power Supply

UPC: 813474020739 3 lb (7x6x3)

VX8i

\$459.00

RD8 Intelligent Dry Contact Relay

Eight Multi-Purpose Dry Contact Points

Versatile eight relay-controlled dry-contact terminal module. Control equipment up to 3.5A/120V per terminal. Designed for integration with contactor panels for lighting and high current equipment, HVAC signals, dehumidifiers, irrigations solenoids, etc.

Red LED indicator lights turn on when relay coils are activated and contacts are closed. Includes standard 1/2" EMT knock-outs for conduit installation.

Digital GrowNET™ port allows MODBUS protocol control on RS485 bus networks for custom applications. Internal memory logs the life cycle count on each relay. Made in USA.

 [RD8i Data Sheet](#)

RD8i Digital Intelligent Eight Contact Relay

UPC: 813474020739 3 lb (7x6x3)



RD8i

\$419.00



RD8+ Intelligent Dry Contact Relay

Eight Multi-Purpose Dry Contact Points with Toggle Switches

Same features and specifications as the standard RD8i, but with the addition of manual toggle switch operators. Toggle switches allow a relay to be manually forced on, or forced off, in addition to being automatically operated by a control system.

The toggle switches will operate the RD8i's contacts as long as power is available to operate the coils even if the relay's processor has been damaged or communication has been broken to the master controller.

 [RD8i+ Data Sheet](#)

RD8i+ Digital Intelligent Eight Contact Relay

UPC: 813474022016 3 lb (7x6x3)



RD8i+

\$519.00



CX3i High Power Contact Relay

Three Phase Control or Three Independent Contacts

The CX3i high power contact relay is designed for high current and high voltage equipment control including three-phase power (230/277V,) single phase two-leg power (240V,) and individual loads (120-277V.) Three internal high-current relays can be used in concert as a three-phase contactor, or as individual relays with independent control.

Standard use includes controlling high-power motors, humidifiers, lighting equipment, and other devices that typically require a custom hard-wired contactor to handle.

Made in USA.

 [CX3i Data Sheet](#)

CX3i Digital Intelligent High Power Contactor

UPC: 813474022542 3 lb (7x6x3)



CX3i

\$429.00



MX1 Intelligent Motor Relay

Forward / Reverse Motor Control for Vents, Curtains

Tough and intelligent reversible motor controller for AC or DC motors. Control motors up to 8A/120V. Designed for control of ridge vent, roll-up and shade cloth gear motors.

Selector knob on front of relay allows automatic operation, manual operation or off mode. Red LED indicator lights turn on when forward or reverse relays are activated. Smart interlocked electrical design is impossible for the motor to be energized in both directions at the same time keeping the motor and controller safe.

Includes standard 1/2" EMT knock-outs for conduit installation. Made in USA.



 [MX1i Data Sheet](#)

MX1i AC Digital Intelligent Motor Relay, 120Vac, 6A

UPC: 813474020746 3 lb (7x6x3)

MX1i-AC

\$429.00

MX1i DC Digital Intelligent Motor Relay, 30Vdc, 6A

UPC: 813474020753 3 lb (7x6x3)

MX1i-DC

\$429.00

MX3 Intelligent Motor Relay

Forward / Reverse Motor Control for Vents, Curtains | 3-Phase Motors

Tough and intelligent reversible motor controller for 1-phase and 3-phase AC motors. Control motors up to 4A/230V/1.5HP. Designed for control of ridge vent, roll-up and shade cloth motors.

Selector knob on front of relay allows automatic operation, manual operation or off mode. Red LED indicator lights turn on when forward or reverse relays are activated. Smart interlocked electrical design is impossible for the motor to be energized in both directions at the same time keeping the motor and controller safe.

Includes standard 1/2" EMT knock-outs for conduit installation. Made in USA.



 [MX3i Data Sheet](#)

MX3i AC Digital Intelligent Motor Relay, 230Vac, 2HP

UPC: 813474020746 3 lb (7x6x3)

MX3i

\$496.00

DX Series DIN-Rail I/O Modules

I/O Modules for DIN-Rail Mounting in Control Cabinets

Versatile DIN-Rail mounted IO modules with a variety of I/O options. Designed for cabinet integration to drive relays, contactors, speed controllers and other equipment in a panel. Compact form factor saves panel space and I/O cost relative to other I/O modules.

Six (6) models are available with a mix of:

- 1-Amp transistor (FET) outputs (up to 6x 1kHz PWM)
- Analog inputs selectable for 0-5V or 0/4-20mA
- Dry-contact form-C relay outputs
- Dry-contact form-A relay outputs
- 0-10V analog outputs (dimming)
- 4-20mA analog outputs (speed control, PLC's)

Compatible with 12-24Vdc power supply.

Digital GrowNET™ port allows MODBUS protocol control on RS485 bus networks for custom applications.

Made in USA.

Model Options:

Model	DC FET Outputs	Relay Outputs	Analog Outputs	Analog Inputs
DXO8	8	-	-	-
DXR6	-	6 (1A, N.O.)	-	-
DXIO	2	2 (3.5A, N.O./N.C.)	-	2
DXV4	-	-	4 (Voltage)	-
DXC4	-	-	4 (Current)	-
DXI8	-	-	-	8

DXO8 DC 8-Output Module

UPC: 813474021989 1 lb (5x4x2)

DXO8

\$319.00

DXR6 Dry-Contact 6-Output Relay Module

UPC: 813474022009 1 lb (5x4x2)

DXR6

\$319.00

DXIO Mixed I/O Module

UPC: 813474021965 1 lb (5x4x2)

DXIO

\$319.00

DXV4 Dimming Controller, 0-10V Output Module

UPC: 813474021996 1 lb (5x4x2)

DXV4

\$319.00

DXC4 Analog 4-20mA Output Module

UPC: 813474022610 1 lb (5x4x2)

DXC4

\$319.00

DXI8 DC 8-Input Analog/Discrete Module

UPC: 813474021972 1 lb (5x4x2)

DXI8

\$319.00

 [DXO8 Data Sheet](#)

 [DXR6 Data Sheet](#)

 [DXIO Data Sheet](#)

 [DXI8 Data Sheet](#)

 [DXV4 Data Sheet](#)

 [DXC4 Data Sheet](#)



LXD Digital Lighting Control Module

Multi-Spectrum Light Recipe Control

LXD Digital Lighting Link modules connect Agrowtek GrowControl™ GCX Cultivation Control Systems to lighting fixtures from various manufacturers that are controlled with digital communication protocols. Provides full intensity and spectrum control on compatible fixtures for one lighting zone from the GCX system. Use one LXD module for each lighting zone. Intelligent features on the GCX system allow ramping of intensity for sun-rise and sun-set, high temperature dimming, and sun light intensity control.

RJ-12 connection is provided for ThinkGrow, Dutch Lighting Innovations (DLI) and other pin-compatible fixtures. A terminal block connection is also provided for manufacturers with alternate connection configurations.



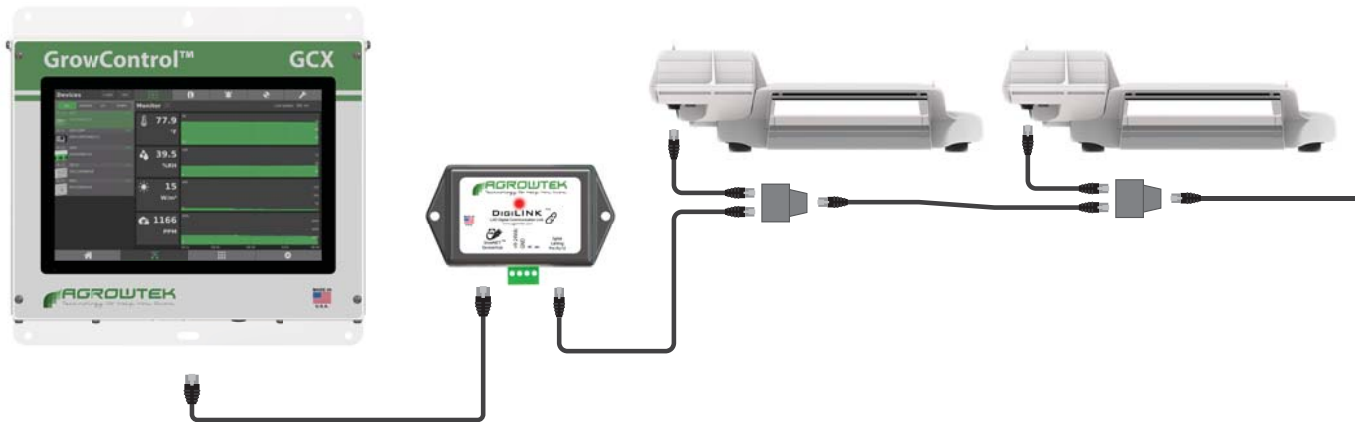
Supported Manufacturers:

- Thinkgrow
- Dutch Light Innovations (DLI)
- Fohse
- Scynce
- Hydrofarm/Autopilot
- Revolution
- Illuminar
- Faven
- Matrix
- Others



Digital GrowNET™ port allows MODBUS protocol control on RS485 bus networks for custom applications.

Made in USA.



[LXD Data Sheet](#)

LXD Digital Lighting Control Module

UPC: 813474022399 1 lb (4x3x2)

LXD

\$129.00

GrowNET™ Link Modules

Link modules interface Agrowtek's GrowNET™ devices to various types of connections including USB, RS-485 and 4-20mA.

LX1 USB AgrowLINK

USB to PC Interface for Updates, Diagnostics

LX1 USB AgrowLINK connects Agrowtek's GrowNET sensors, relays or dosing pumps directly to a computer. Free PC software displays real-time sensor readings, downloads and configures data logging history from the sensor, allows on-board calibration, basic email alerts and more!

Connects to any Agrowtek device with a GrowNET port. Use the simple update software to upgrade device firmware in seconds when new features are added! *Includes USB & GrowNET cable.* Made in USA.

LX1 USB AgrowLINK

UPC: 813474020869 1 lb (4x4x2)



[LX1 Data Sheet](#)

LX1



\$79.00



LX2 ModLINK™ for RS-485 MODBUS RTU

Connect GrowNET™ Devices to PLC's

LX2 ModLINK™ connects Agrowtek's intelligent devices equipped with a GrowNET™ port to a standard RS-485 serial bus for use with the industrial MODBUS RTU protocol. Ruggedized 15kV ESD rated input terminals with 70V fault protection to protect against damage from wiring errors and short circuits. The LX2 can be connected to HX8 GrowNET hubs to connect multiple GrowNET™ sensors, peristaltic pumps, and relays to the ModLINK™ interface. All GrowNET™ connections use standard RJ45 / Cat5 Ethernet Cable for easy installation. LX1 USB link may be used to configure alternate serial communication settings. Made in USA.

LX2 ModLINK

UPC: 813474020883 1 lb (4x4x2)



[LX2 Data Sheet](#)

LX2



\$119.00



LX4 AnalogLINK™

Convert GrowNET™ Sensors to 4-20mA Outputs

LX4 AnalogLINK connects Agrowtek's intelligent devices equipped with a GrowNET™ port to a standard 4-20mA inputs on a PLC or other control device. Terminal block provides connections for the module's four (4) independent analog output channels and 24Vdc power input. Connect any compatible GrowNET™ sensor to the module with standard RJ-45 connections and CAT5 cable. The LX4 AnalogLINK™ will power the sensor and automatically convert the sensor readings to a scaled 4-20mA output signal.

Available with cable connection port for GC-Pro series controllers.
Made in USA.

LX4 AnalogLINK™ 4-20mA

UPC: 813474022627 1 lb (4x4x2)

LX4 AnalogLINK™ 4-20mA for GC-Pro Series Controllers

UPC: 813474022634 1 lb (4x4x2)



[LX4 Data Sheet](#)

LX4

\$199.00

LX4-G

\$219.00

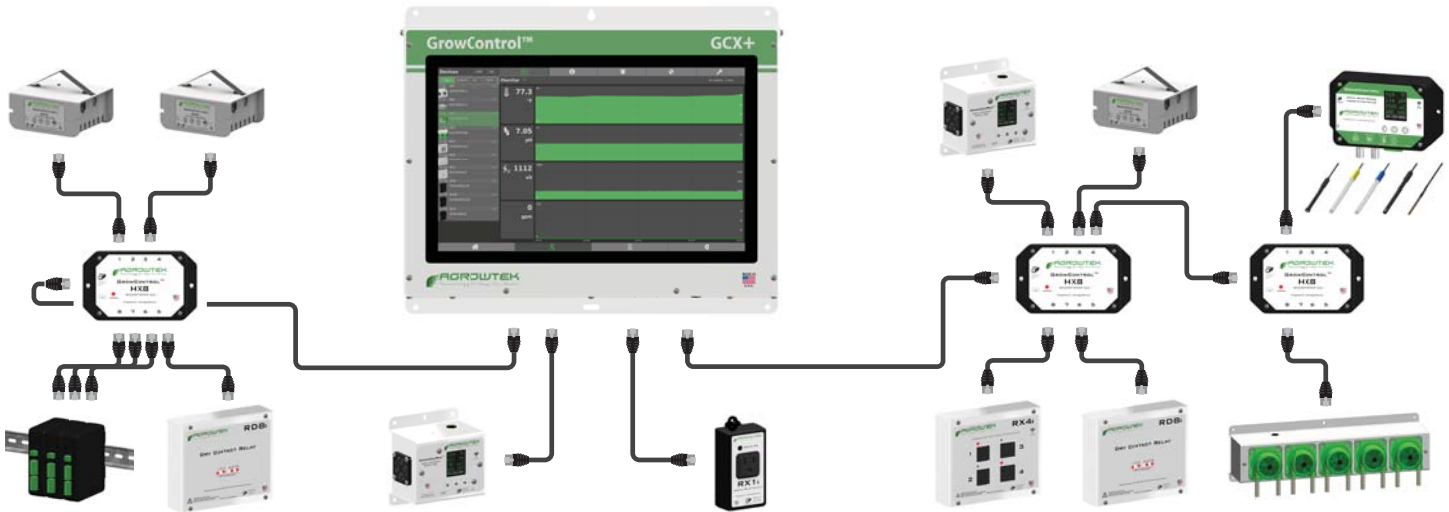


GrowNET™ Device Hubs

GrowNET™ hubs expand the GrowNET™ digital communication bus with additional device ports. GrowNET™ hubs operate on industrial topology at high speed and are compatible with MODBUS applications. Buffered ports provide robust data transmission over long distance and repeated connections.

RJ45 ports allow simple connection to any Agrowtek device with a GrowNET™ port using standard, straight-through Ethernet cables. A DC jack and wall adapter powers the hub and ports with 24Vdc. Agrowtek's sensors and relays can be powered directly over the RJ45 connection from a hub. A terminal block power input is also available for panel mounted applications.

A 'master' upstream port is connected to a device such as a GrowControl™ GCX Cultivation Controller, a LX1 USB Link or LX2 ModLINK™ interface, or even a downstream port on another HX8 hub. Downstream ports then connect to various Agrowtek GrowNET™ devices including sensors, I/O modules and dosing pumps.




HX8 GrowNET™ 8-Port Hub

8-Port GrowNET™ Device Hub

HX8 GrowNET hub expands any GrowNET master port into 8 more ports! Fully buffered hub provides power to all 8 ports using the DC power jack for Power-Over-GrowNET™ to sensors and relays for easy, single-cable connections to the devices.

Ideal for installation outside of each room of a facility to connect multiple devices to a single cat5 cable. Hubs can be daisy chained as required by connecting the upstream port into another HX8 downstream port.

Compatible with MODBUS communication. 

Made in USA.



HX8+ Enhanced GrowNET™ 8-Port Hub

UPC: 813474021217 1 lb (8x5x5)

HX8+

\$249.00

 [HX8 Data Sheet](#)

Mini Dosers

GrowControl™ mini dosing systems are designed for simple automated nutrient dosing requirements. When your facility's needs expand, the mini systems can grow with your business by becoming a part of Agrowtek's more advanced GrowControl™ GCX Cultivation Control systems for a new life in more complex growing environments.



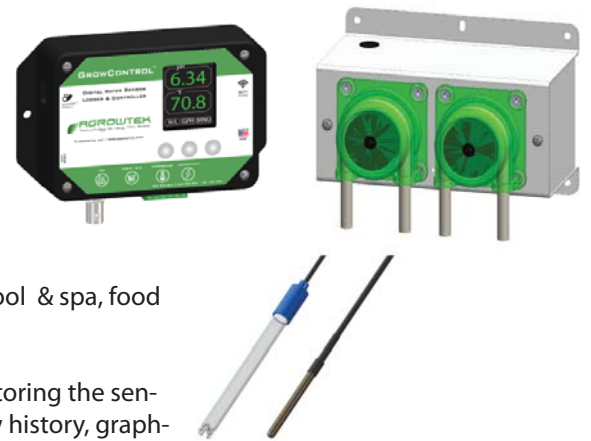
MPX pH (+ORP) Dosing System

Acid/Base Control | 1, 2 or 4 Pumps | ORP Optional

GrowControl™ MPX and MPX+ dosing systems are autonomous set-point dosing systems. Eliminate manual testing and dosing while maintaining conditions to your exact requirements! MPX system includes temperature and pH sensors, MPX+ includes additional ORP input and probe.

System can operate a single, dual, or quad AgrowDose™ pump. Precision sensors and rugged pumps offer reliable and accurate control for all types of applications including agricultural, aquaponics, aquairums, sanitation, pool & spa, food and beverage, industrial processes, etc.

The PHX controller's color display provides an easy to use interface for monitoring the sensors and configuring the dosing settings. Includes features such as high/low history, graphing, alarm set points with buzzer, sensor calibration, manual priming and more.



Made in USA.

Standard Models (480ml/min max)

GrowControl™ MPX1 Mini Dosing System (single pump)

UPC: 813474021392 6 lb (12x10x6)

GrowControl™ MPX2 Mini Dosing System (dual pump)

UPC: 813474021408 7 lb (12x10x6)

GrowControl™ MPX4 Mini Dosing System (quad pump)

UPC: 813474021576 8 lb (18x12x6)

MPX1 \$999.00

MPX2 \$1,299.00

MPX4 \$1,599.00

XL Models (1600ml/min max)

GrowControl™ MPX2-XL Mini Dosing System (dual pump)

UPC: 813474022641

MPX2-XL \$1,749.00

Options

ORP Upgrade for Mini Dosing Systems

UPC: 813474021590 (Factory Only)

+ORP \$199.00

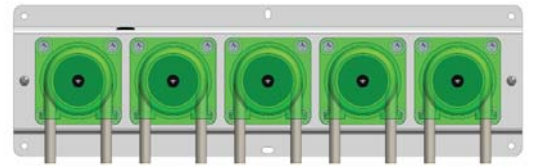
 [MPX System Data Sheet](#)

 [MPX System Instruction Manual](#)

MDX Nutrient & pH (+ORP) Dosing System

Autonomous | Easy to Use | Accurate & Reliable | ORP Optional

MDX automates nutrient dosing and pH control in large or small nutrient stock tanks for re-circulating or drain-to-waste fertigation systems, DWC bucket systems and more. MDX+ adds ORP sensing and control. Eliminate manual testing and dosing, free up staff for other duties, and have alarms and historical data available.



GrowControl™ MDX dosing systems are powerful set-point controllers that operate a single, dual, quad or penta AgrowDose™ pump. Configure each pump independently as EC, pH up or down, or ORP. Precision sensors and rugged pumps offer reliable and accurate control of nutrient feed tanks large and small. SXF Flow sensor option allows automatic start/stop of dosing depending on the flow reading.

SXH controller's color display provides an easy to use interface for monitoring the sensors and configuring the dosing settings. Includes features such as high/low history, graphing, alarm set points with buzzer, sensor calibration and more.

Made in USA.

Standard Models (480ml/min max)

GrowControl™ MDX1 Mini Dosing System (single pump)

UPC: 813474020791 6 lb (12x10x6)

MDX1

\$1,199.00

GrowControl™ MDX2 Mini Dosing System (dual pump)

UPC: 813474020807 7 lb (12x10x6)

MDX2

\$1,499.00

GrowControl™ MDX4 Mini Dosing System (quad pump)

UPC: 813474020814 8 lb (18x12x6)

MDX4

\$1,799.00

GrowControl™ MDX5 Mini Dosing System (penta pump)

UPC: 813474021262 9 lb (18x12x6)

MDX5

\$2,099.00

GrowControl™ MDX6 Mini Dosing System (penta pump)

UPC: 813474022030 13 lb (18x12x6)

MDX6

\$2,399.00

XL Models (1600ml/min max)

GrowControl™ MDX2-XL Mini Dosing System (dual pump)

UPC: 813474022641

MDX2-XL

\$1,949.00

GrowControl™ MDX4-XL Mini Dosing System (dual pump)

UPC: 813474022641

MDX4-XL

\$2,419.00

Options

ORP Upgrade for Mini Dosing Systems

UPC: 813474021590 (Factory Only)

+ORP

\$199.00

Flow Sensor Upgrade for MDX Dosing Systems

UPC: 813474022221 (Factory Only, not compatible with +ORP option.)

+SXF

\$199.00



[MDX System Data Sheet](#)

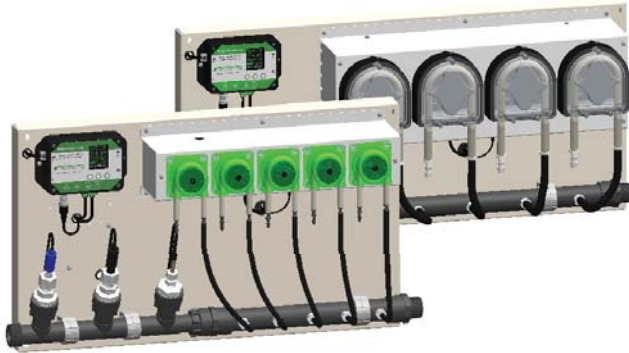


[MDX System Instruction Manual](#)

AgrowDose™ Dosing Panels

MDX and MPX dosing systems are all available pre-mounted on a stainless steel back panel with plumbing manifolds for sensor probes and chemical injection. Just mount the panel, connect plumbing and plug in the power adapter!

MDX Nutrient & pH Doser



MPX pH (+ORP) Doser



MDX Nutrient Dosing Panels

Standard Models (480ml/min max)

GrowControl™ MDX1P Dosing Panel (single pump)

UPC: 813474021415 10 lb (26x15x7)

GrowControl™ MDX2P Dosing Panel (dual pump)

UPC: 813474021422 12 lb (26x15x7)

GrowControl™ MDX4P Dosing Panel (quad pump)

UPC: 813474021439 14 lb (26x15x7)

GrowControl™ MDX5P Dosing Panel (penta pump)

UPC: 813474021446 15 lb (26x15x7)

GrowControl™ MDX6P Dosing Panel (hexa pump)

UPC: 813474022047 22 lb (32x16x8)

XL Models (1600ml/min max)

GrowControl™ MDX2P-XL Dosing Panel (dual XL pump)

UPC: 813474022689 12 lb (26x15x7)

GrowControl™ MDX4P-XL Dosing Panel (quad XL pump)

UPC: 813474022696 14 lb (26x15x7)

Options

ORP Upgrade for Dosing Panel

UPC: 813474021606 (Factory Only)

Flow Sensor Upgrade for MDX Dosing Systems

UPC: 813474022221 (Factory Only, not compatible with +ORP option.)

MDX1P	\$1,499.00
MDX2P	\$1,799.00
MDX4P	\$2,099.00
MDX5P	\$2,399.00
MDX6P	\$2,799.00

MDX2P-XL	\$2,349.00
MDX4P-XL	\$2,819.00

+ORP1	\$249.00
+SXF	\$199.00

MPX pH Dosing Panels

GrowControl™ MPX1 Dosing Panel (single pump)

UPC: 813474021453 10 lb (26x15x7)

GrowControl™ MPX2 Dosing Panel (dual pump)

UPC: 813474021460 10 lb (26x15x7)

GrowControl™ MPX4 Dosing Panel (quad pump)

UPC: 813474021583 10 lb (26x15x7)

XL Models (1600ml/min max)

GrowControl™ MPX2-XL Dosing Panel (dual XL pump)

UPC: 813474022672 17 lb (26x15x7)

MPX1P	\$1,299.00
MPX2P	\$1,599.00
MPX4P	\$1,899.00

MPX2P-XL	\$2,099.00
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Options

ORP Upgrade for Dosing Panel

UPC: 813474021606 (Factory Only)

+ORP1	\$249.00
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Fertigation Systems

BDX BatchMatic Fertigation System

Multi-Zone | 12 Chemical Parts | Batch Fertigation

The BDX BatchMATIC™ Fertigation System is a nutrient mixing and irrigation system for pre-mixing and dispensing to up to 14 'zones' of plants, hydroponic systems or holding tanks. Available with 5, 6, 10 or 12 persaltic dosing pumps for mixing multi-part fertilizer and pH solutions according to ratio and/or target based recipes.

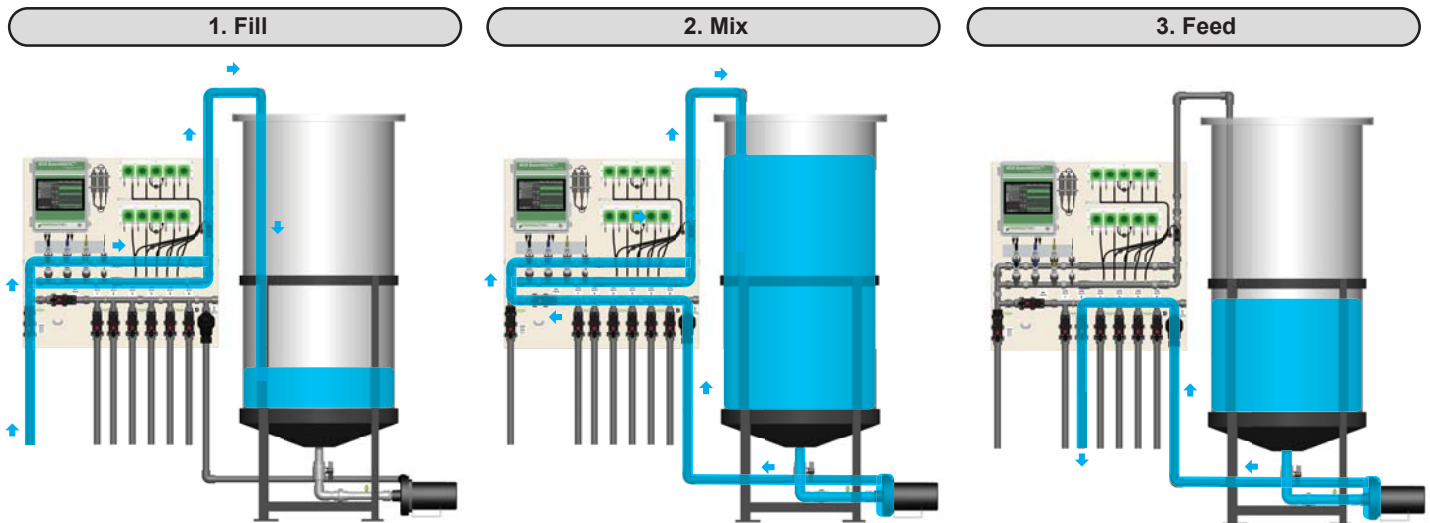
Available with 5, 6, 10 or 12 persaltic dosing pumps for mixing multi-part fertilizer solutions on the fly according to fertilizer ratio recipes and EC/pH/ORP targets. Available with redundant sensors for enhanced error detection and backup operation. Alarms and automatic shut down functions standard.

System includes a recirculating/irrigation pump with outlet control relay and SXL liquid sensors for detecting high and low levels in the mixing tank. Built with Agrowtek's rugged BV100 series motorized ball valves for high reliability and low maintenance.



 [BDX Data Sheet](#)

Made in USA.



BDX BatchMatic 5-Part Dosing System

UPC: 813474021774 300 lb (40x40x12) Freight

BDX BatchMatic 6-Part Dosing System

UPC: 813474021774 300 lb (40x40x12) Freight

BDX BatchMatic 10-Part Dosing System

UPC: 813474021781 300 lb (40x40x12) Freight

BDX BatchMatic 12-Part Dosing System

UPC: 813474022085 300 lb (40x40x12) Freight

BDX5 \$21,499.00

BDX6 \$22,099.00

BDX10 \$23,499.00

BDX12 \$24,899.00

Options

ORP Upgrade for BDX System (one per sensor manifold)

(Factory Only)

BDX+ORP \$699.00/EA

Redundant SXH Sensors for BDX System

(Factory Only)

BDX+SXH \$1,099.00

VXP8 Eight Zone Valve Expansion Panel, BV100 Ball Valves

UPC: 813474021811 34 lb (20x26x8)

VXP8-BV \$3,499.00

USB WiFi Module

UPC: 813474021477 0.2 lb (2x2x4)

USB-WIFI \$49.00

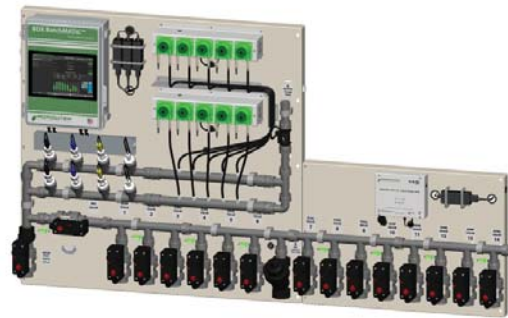
VXP8 Eight Valve Expansion Panel

8 Valves | Expands BDX up to 14 zones

VXP8 eight zone valve panel expands the BDX system from 5/6 zones up to a maximum of 14 zones per system. Easy plug-and-play manifold connection and RJ-45 data connection to the BDX system.

Pre-fabricated and mounted on a stainless steel back panel for simple wall or strut-mount installation.

Standard diaphragm valves are used in many irrigation applications and offer low cost in applications with low sediment and build up. Optional BV100 actuated ball valves are high reliability and low maintenance even in demanding applications.



Shown connected to BDX fertigation system.
One expansion possible per BDX system.

VXP8 Eight-Zone Valve Irrigation Panel, Diaphragm Valves

UPC: 813474021811 24 lb (20x26x8)

VXP8

\$1,799.00

VXP4 Four-Zone Valve Expansion Panel, BV100 Ball Valves (for BDX)

29 lb (20x26x8)

VXP4-BV

\$2,199.00

VXP8 Eight-Zone Valve Expansion Panel, BV100 Ball Valves (for BDX)

UPC: 813474021811 34 lb (20x26x8)

VXP8-BV

\$3,299.00

VBT Vertical Batch Tank & Stand

Heavy Duty Stand |

VBT series cone-bottom batch tanks features a compact foot print with heavy-duty powder-coated steel tank stand. Cone bottom ensures complete drainage of tank to prevent mixing of batches.

Available in various capacities.

Designed for use with BDX BatchMatic™ fertigation systems as a mixing vessel for the system. Polypropylene tank with polypropylene and PVC fittings.

Made in U.S.A.

Drop ships from manufacturer.



VBT Vertical Batch Tank & Stand

UPC: 813474021835 MOTOR FREIGHT

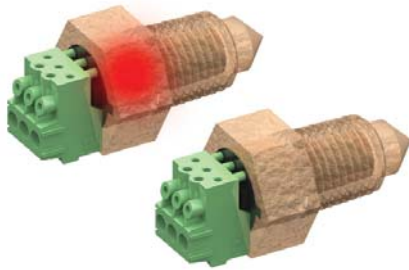
VBT-XX

PER QUOTE

Liquid Level Sensors

SXL Sensors for monitoring liquid levels are available in two models; standard SXL sensors which detect the presence or absence of liquid on the sensor tip, and SXLV sensors which measure the depth of water in a tank.

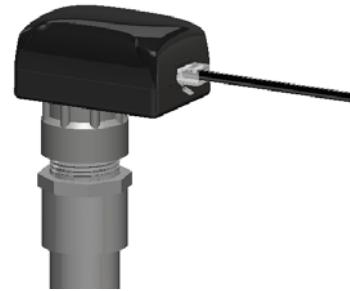
SXL



Single-Point Level Sensing

Optical liquid level sensors and control systems for water tanks, pipes, etc.

SXLV



Continuous Level Sensing

Pressure based variable liquid level sensing and control for GCX control systems.

SXLV Variable Liquid Level Sensor

Simple | Reliable | Robust

SXLV Variable liquid level sensors monitor the height of water in a tank for automated level control from GrowControl™ GCX Cultivation Control Systems. Precision $\pm 0.1"$ ($\pm 2.5\text{mm}$) depth measurement accuracy.

SXLV sensors are simple and reliable with only a 1" PVC pipe in contact with the water solution. The SXLV sensor is mounted atop the PVC pipe and monitors the pressure in the pipe as the water level rises or falls. The sensor converts this pressure reading into an accurate water height measurement.

Indicator LED's display GREEN when water level is above the bottom of the tube and YELLOW when the water level is below the bottom of the tube. Measures water depth from end of tube. Maximum water depth 10ft (3m.)

SXLV sensor includes a threaded socket-weld fitting for 1" PVC. Available with PVC Mounting flange. PVC pipe not included.

Compatible with MODBUS communication.
Made in USA.

SXLV Variable Liquid Level Sensor 0-10ft

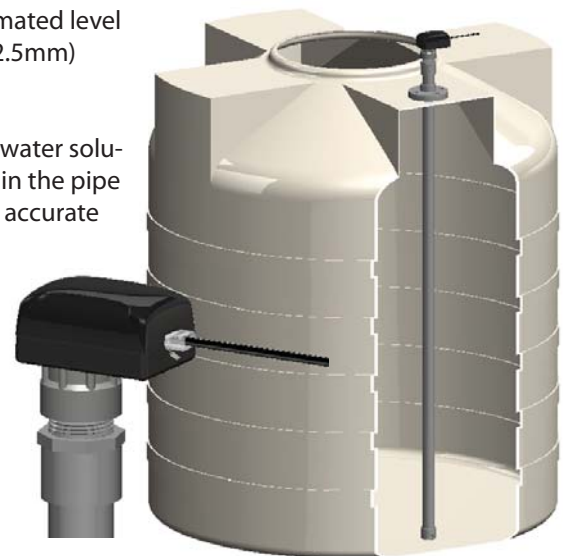
UPC: 813474022368 1 lb (8x5x5)

SXLV Variable Liquid Level Sensor 0-30ft

UPC: 813474022375 1 lb (8x5x5)

LSM Flange Kit, for Mounting 1" PVC Pipe

UPC: 813474022313 0.1 lb (6x6x2)



SXLV-10 \$319.00

SXLV-30 \$369.00

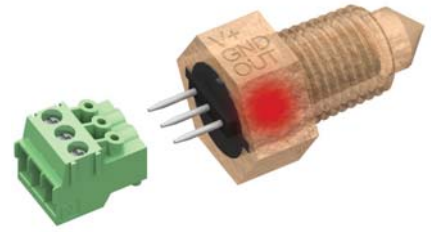
LSM-FLANGE \$66.00

 [SXLV Data Sheet](#)

SXL Liquid Level Sensors

Level Sensing | Level Control | Leak Detection

Electronic optical liquid sensors are durable, have no moving parts and are easy to maintain. SXL sensors can detect fluid levels in tanks, flow in pipes, or leaks in drip pans when liquid touches the sensor tip. Wide voltage range and high current capacity makes the SXL sensor practical for TTL logic, industrial PLC or direct relay control applications. 1/4" NPT threading and removable wiring terminal block with pin-out cast into the hex head makes installation or replacement fast and simple. When the output is energized a red LED illuminates the sensor body giving a visual status indication. Available in both 'wet-on' and 'dry-on' configurations. Other intelligent functions include anti-splash false reading detection, output debounce and error indication from infrared flooding.

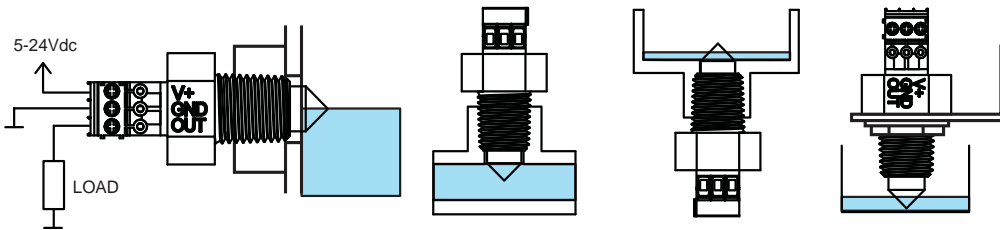
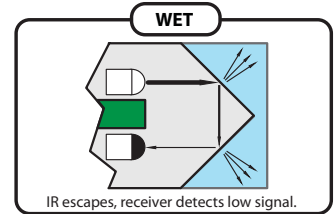
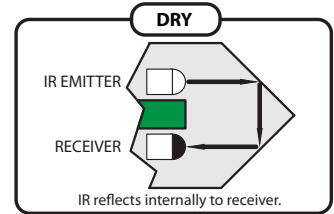


Made in USA.

- Water Tanks
- Coolant Reservoirs
- Hydraulic Fluid Reservoirs
- Warewash Equipment
- Irrigation Systems
- High & Low Level Detection
- Leak & Overflow Detection
- Flow Detection in Pipes

Voltage Input: 5-24Vdc
Output Current: Max 1A (sourcing)
 Mounting Thread: 1/4" NPT
 Hex Size: 3/4" (19mm)
 Body Material: Polysulphone
 Temperature Range: -20 to 80°C (non-freezing)
 Wire Gauge: 26 - 16 AWG

How it Works:



Status	SXL-1* (Wet ON)	SXL-2* (Dry ON)	SXL-3 (PWM)
Dry	LED/Output OFF	LED/Output ON	LED OFF, 20%
Wet	LED/Output ON	LED/Output OFF	LED ON, 50%
IR Flooded/Error	LED Flashing / Output OFF		LED Flash, 80%

*Available "latching" model holds output on until next power cycle when activated.

Individual Sensors

SXL-1 Optical Liquid Sensor, WET-ON

UPC: 813474021132 0.1 lb (2x2x2)

SXL-1 \$68.00

SXL-2 Optical Liquid Sensor, DRY-ON

UPC: 813474021149 0.1 lb (2x2x2)

SXL-2 \$68.00

SXL-3 Optical Liquid Sensor, PWM

UPC: 813474021156 0.1 lb (2x2x2)

SXL-3 \$68.00

SXL-1X Optical Liquid Sensor, WET-ON (Latching)

UPC: 813474021163 0.1 lb (2x2x2)

SXL-1X \$68.00

SXL-2X Optical Liquid Sensor, DRY-ON (Latching)

UPC: 813474021170 0.1 lb (2x2x2)

SXL-2X \$68.00

 [SXL Data Sheet](#)

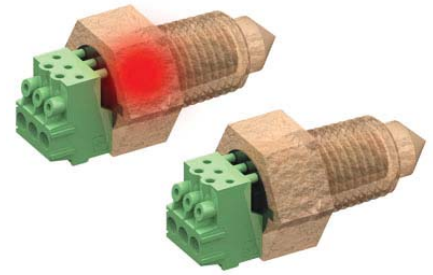
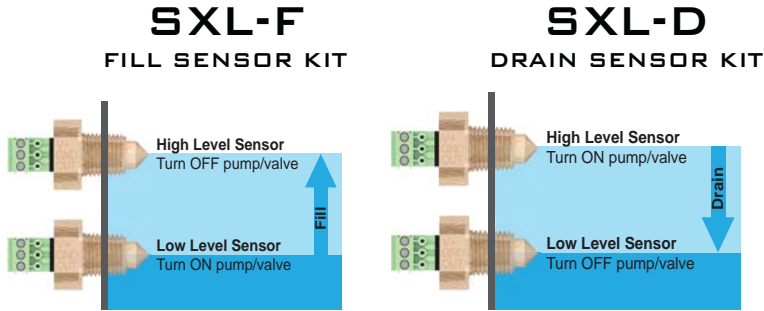
 [SXL Instruction Manual](#)

SXL Liquid Level Control Systems

Fill or Drain | Valve or Relay | Complete Kits

Complete automatic electronic fill or drain control system for liquid tanks and reservoirs with a matched pair of SXL sensors for high and low set points. Operate an outlet relay to control pumps and maintain fluid levels between high and low sensors.

Matched Fill or Drain Sets



Made in USA.

RX1 Relay



Complete Kits

Available with RX1 outlet relay kit for a complete system. Kits include sensors, relay, and a power supply (wire not included.)

SXL sensors are available as a matched set for automatic fill or drain control without any other control system. Available in a pre-wired valve or relay kit for a complete automatic liquid level control system.

Sensor Set Only

SXL-F Optical Liquid Sensor Set, FILLING

UPC: 0.1 lb (2x2x2)

SXL-F

\$129.00

SXL-D Optical Liquid Sensor Set, DRAINING

UPC: 0.1 lb (2x2x2)

SXL-D

\$129.00

Kits with 120V Outlet Relay

Fill System with Relay

UPC: 0.1 lb (2x2x2)

SXL-F-RX1

\$239.00

Drain System with Relay

UPC: 0.1 lb (2x2x2)

SXL-D-RX1

\$239.00



[SXL Level Kit Data Sheet](#)

LSM Liquid Sensor Mount System

Vertical Sensor Mounting | Adjustable Depth

Two-part system for mounting SXL liquid level sensors from the top of a tank providing secure mounting, adjustable sensor heights, and easy installation and removal. Uses standard 1" PVC pipe to mount the SXL liquid sensors at adjustable depths within a liquid tank. Top mounting avoids holes on the sides of the container to reduce chances of leaks.

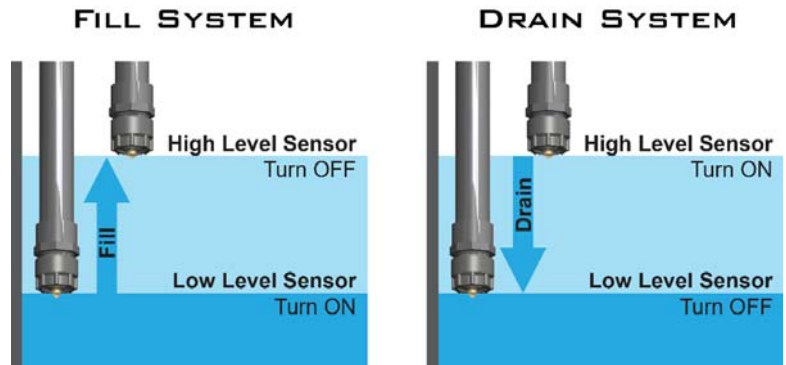
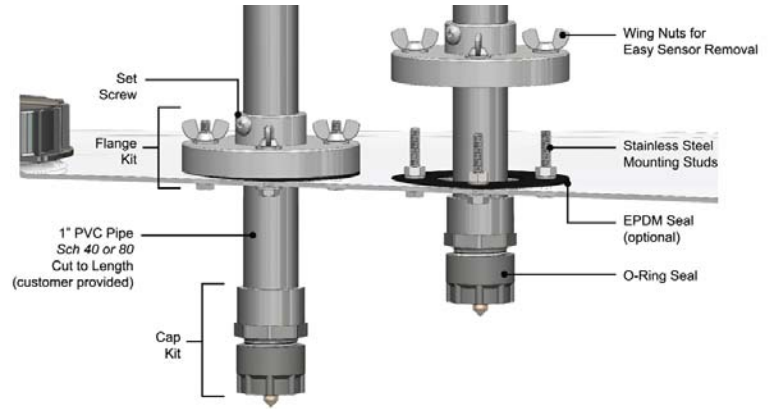
Part 1: Cap Kit

Mount SXL optical liquid level sensors on the end of a 1" PVC pipe. Kit includes a tapped PVC cap with o-ring seal and PVC pipe fitting. Provide 1" schedule 40 or 80 PVC pipe to length.

Part 2: Flange Kit

Securely mount sensor pipes to the tank. Kit includes hardware and custom flange with locking set screw for clamping the pipe at the desired location. All stainless hardware is designed for easy service without tools after installation.

Flange can be removed from the tank by quickly removing the wing nuts. Studs remain bolted to the tank while the sensor can be pulled up and removed for cleaning and maintenance.



LSM Cap Kit, Tapped Cap & 1" PVC Fitting

UPC: 813474022306 0.1 lb (2x2x2)

LSM Flange Kit, for Mounting 1" PVC Pipe

UPC: 813474022320 1 lb (6x6x2)

LSM Liquid Sensor Mounting System, Cap & Flange Kit

UPC: 813474022313 1 lb (6x6x2)

LSM-CAP

\$18.00

LSM-FLANGE

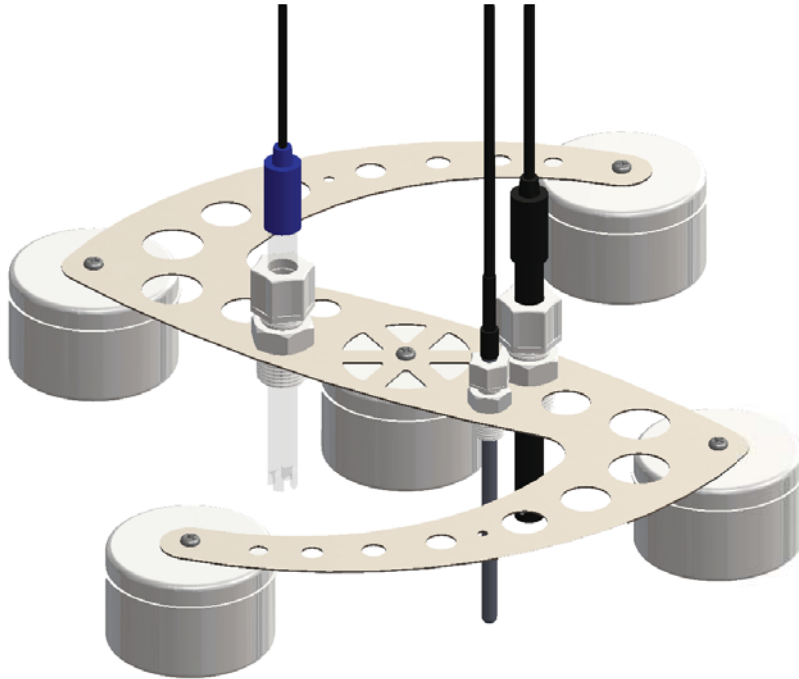
\$66.00

LSM-KIT

\$78.00



Sensor Probe Floats



PPX Probe Pontoon

Water Sensor Float Platform

The Probe Pontoon (PPX) sensor float platform allows standard 12mm water sensor probes to be floated in water and chemical tanks, deep water culture hydroponic buckets and other bodies of water. The probe pontoon allows sensor probes to maintain continuous contact with the liquid while keeping the probes separated and away from the tank walls.

Unique design allows for a large stable platform capable of being installed through small tank openings. PPX probe floats are made entirely of corrosion proof materials including a stainless steel platform and screws, polymer floats and polymer probe gland fittings.

PPX probe floats are made entirely of corrosion proof materials including a stainless steel platform and screws, polymer floats and polymer probe gland fittings. Available with two, three, four or five probe fittings to accommodate temperature, pH, conductivity, O.R.P., and dissolved oxygen probes on a single platform. Extra holes provided for guide rods, etc.

Made in U.S.A.

PPX for pH/Temperature

UPC: 813474022115 4 lb (16x16x4)

PPX2

\$119.00

PPX for pH/EC/Temperature

UPC: 813474022122 4 lb (16x16x4)

PPX3

\$134.00

PPX for pH/EC/ORP/Temperature

UPC: 813474022139 4 lb (16x16x4)

PPX4

\$141.00

PPX for pH/EC/ORP/DO/Temperature

UPC: 813474022146 4 lb (16x16x4)

PPX5

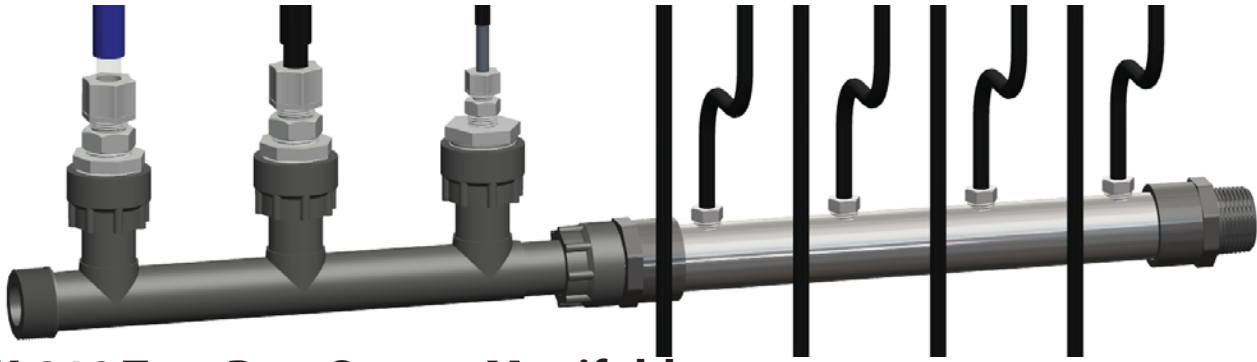
\$148.00



[PPX Data Sheet](#)

Plumbing Manifolds

Plumbing assemblies simplify installations with professional manifolds for sensor probes and chemicals.



PBX-210 Two-Port Sensor Manifold

Simple | Clean | pH/Temp

PBX-210 integrates two water-tight gland fittings into a 1" PVC manifold for sensing pH and water temperature inline with a recirculating pump. Threaded on both ends to allow easy connection to the PBX-100 series injection manifolds or other plumbing with reliable and servicable connections. Glands have a compression insert that clamps around the probes when tightened. Manifolds make it easy to install and remove probes for calibration and maintenance. Made in USA.



2-Port Sensor Manifold

UPC: 813474021323 2 lb (Bag)

PBX-210

\$75.00

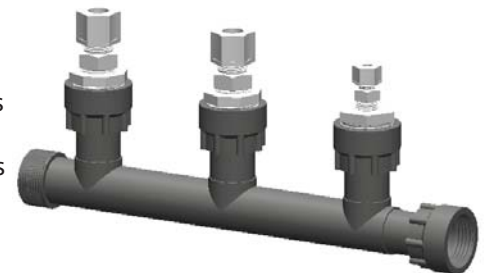


[PBX-210 Data Sheet](#)

PBX-310 Three-Port Sensor Manifold

Simple | Clean | EC/pH/Temp

PBX-310 integrates three water-tight gland fittings into a 1" PVC manifold for sensing pH, EC and water temperature inline with a recirculating pump. Threaded on both ends to allow easy connection to the PBX-100 series injection manifolds or other plumbing with reliable and servicable connections. Glands have a compression insert that clamps around the probes when tightened. Manifolds make it easy to install and remove probes for calibration and maintenance. Made in USA.



3-Port Sensor Manifold

UPC: 813474020906 2 lb (Bag)

PBX-310

\$85.00

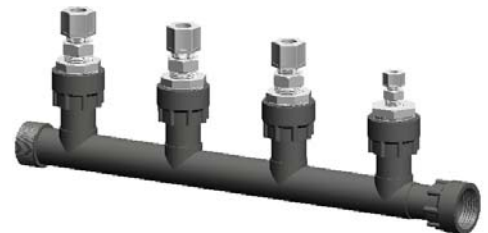


[PBX-310 Data Sheet](#)

PBX-410 Four-Port Sensor Manifold

Simple | Clean | EC/pH/ORP/Temp

PBX-410 integrates four water-tight gland fittings into a 1" PVC manifold for sensing pH, EC, ORP/DO and water temperature inline with a recirculating pump. Threaded on both ends to allow easy connection to the PBX-100 series injection manifolds or other plumbing with reliable and servicable connections. Glands have a compression insert that clamps around the probes when tightened. Manifolds make it easy to install and remove probes for calibration and maintenance. Made in USA.



4-Port Sensor Manifold

UPC: 813474020913 2 lb (Bag)

PBX-410

\$95.00



[PBX-410 Data Sheet](#)

PBX-100 Series Chemical Injection Manifolds

Simple | Clean | Professional

PBX-100 series manifolds are simple multi-port manifold for connecting AgrowDose peristaltic dosing pumps into a recirculating line for injecting chemicals (nutrients, pH buffers) into a stock tank.



1" NPT PVC manifold with Nylon 3/16" barbs. Designed for use with a PBX-310 or PBX-410 sensor manifold. Made in USA.

2-Port Chemical Injection Manifold

UPC: 813474021224 1 lb (Bag)

4-Port Chemical Injection Manifold

UPC: 813474020890 1 lb (Bag)

5-Port Chemical Injection Manifold

UPC: 813474021279 1 lb (Bag)

6-Port Chemical Injection Manifold

UPC: 813474021286 1 lb (Bag)

PBX-102 \$35.00

PBX-104 \$40.00

PBX-105 \$43.00

PBX-106 \$46.00



[PBX-100 Data Sheet](#)

CDT Series AgrowDose™ Chemical Dip Tubes

Rugged | Anti-Float | Corrosion Resistant

Chemical dip tubes for reliable pick-up of liquid chemical solutions from stock tanks for AgrowDose™ chemical doser pumps. Solve the problem of floating lines in your stock tanks which can pull in air and cause incorrect dosing delivery.

Rigid, non-corrosive clear PVC dip tube is available in various lengths to reach down to the bottom of chemical stock tanks. Clear dip tube provides visual indication of chemical flow.

An adjustable mount can be threaded into the stock tank top or lid, or use the included nut with a standard hole. Slide the dip tube to the desired depth and then lock in place by tightening the mount collar.

Made in USA.

Chemical Dip Tube Kit, 12"

UPC: 813474022160 1 lb (6x4x12)

Chemical Dip Tube Kit, 36"

UPC: 813474022177 5 lb (3ft Tube)

Chemical Dip Tube Kit, 60"

UPC: 813474022184 8 lb (6ft Tube)



CDT-1 \$16.00

CDT-3 \$25.00

CDT-6 \$36.00



[CDT Series Data Sheet](#)

Water Valves

High quality water valves for irrigation and flow control.

WX Series



Diaphragm Type

Standard irrigation valves for clean fluids and economy.

BV Series



Ball Type

Actuated ball valves for high reliability and low maintenance.

WX1 Diaphragm Irrigation Valves

Simple | Clean | Professional

Standard 24Vac diaphragm valves for irrigation water with 1" NPT female ports. Simple and economical valves feature a manual operator lever and fail-closed design. Requires minimum 4psi differential pressure for proper operation.

For use with VX series water valve controllers or RD series dry contacts (requires external power supply.)

Made in USA.

WX1 1" NPT Water Solenoid Valve, 20gpm 150psi

UPC: 813474021491 2 lb (8x5x5)

WX1

\$64.00



BV Motorized Ball Valves

Reliable | Low Maintenance | PVC

This rugged, motor-actuated PVC ball valve is designed and assembled in the USA for demanding agricultural applications requiring irrigation control and facility water management. The BV100 valve combines high-quality components for reliability that your crop can depend on.

The full-port PVC ball valve is a true union type with interchangeable flanges for either NPT threaded pipe, or solvent weld sockets. High-torque Italian-made actuator with strong gearing and manual override knob allows operation even in the event of a power failure.

Valve is "full port" and includes connections for NPT thread or solvent weld. Rated 150psi @ 73°F.

Requires 24Vdc. For use with VX series water valve controllers or RD series dry contacts (requires external power supply.)

BV100 1 Inch Motorized PVC Ball Valve, Normally Closed

UPC: 813474022511 4 lb (8x5x5)

BV100S

\$325.00

BV125 1-1/4 Inch Motorized PVC Ball Valve, Normally Closed

UPC: 813474022566 4 lb (8x5x5)

BV125S

\$375.00

BV150 1-1/2 Inch Motorized PVC Ball Valve, Normally Closed

UPC: 813474022580 4 lb (8x5x5)

BV150S

\$390.00



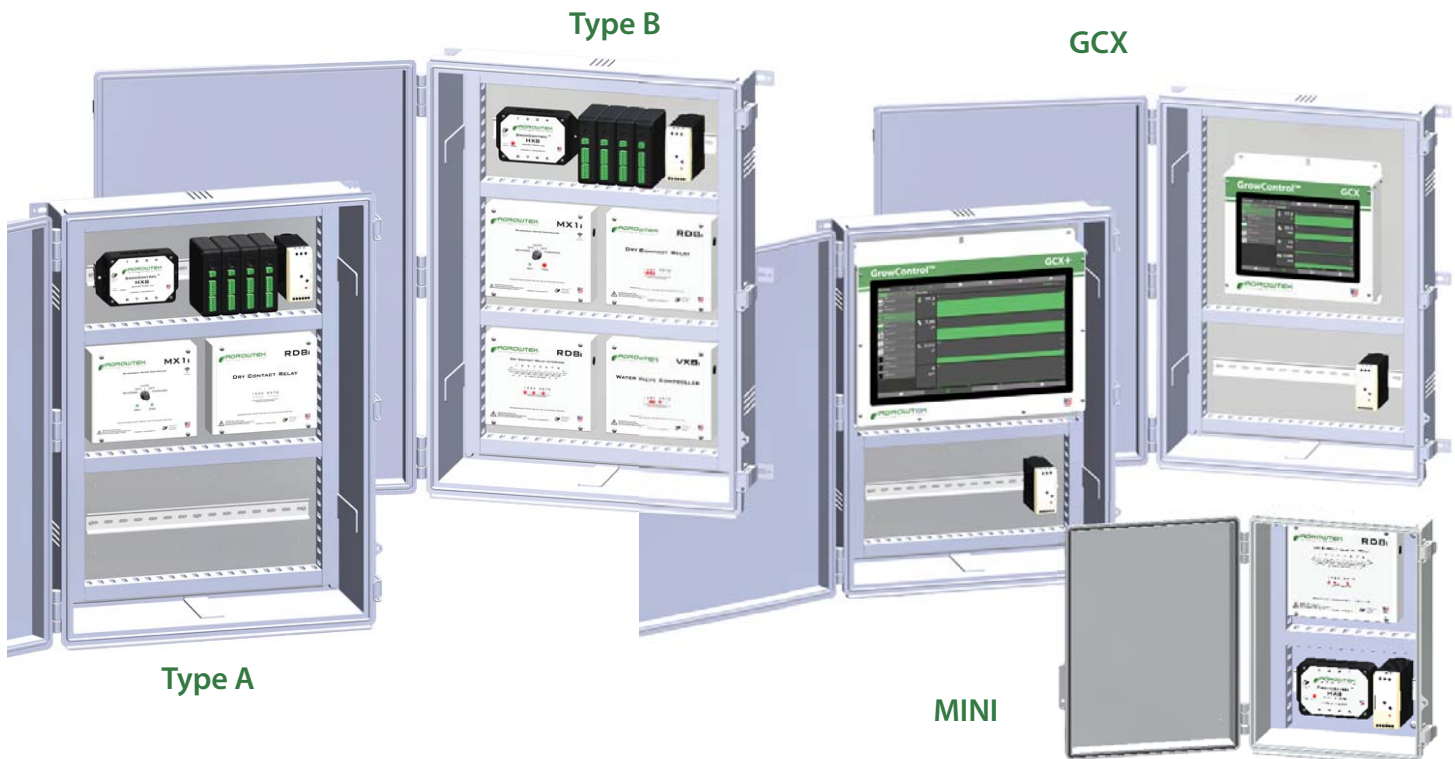
G Panel Enclosures

GrowControl™ Panel Service by Agrowtek offers several standard configurations for weather proof enclosures from the factory. Components are mounted on a custom stainless steel back panel with DIN rail and wire trough for a clean, professional installation in a weather-proof NEMA 4X enclosure. Components are pre-connected with CAT5 cable and pre-wired to cabinet power supply. Reduce time spent on the job site during installation with a pre-tested and pre-configured panel from Agrowtek.

G Panel Service Includes:

- Polymer weather-proof enclosure.
- Stainless steel back panel.
- Mounting of all components.
- Connection of all components to the HX8 hub.
- Connection of all components to DC power supply.

Components may be pre-addressed and configured when ordered with a GCX control system.



G Panel Enclosures

G Panel Type A Equipment Enclosure

UPC: 813474022412 30-45 lb (30x24x10)

G Panel Type B Equipment Enclosure

UPC: 813474022412 30-45 lb (30x24x10)

G Panel Type GCX/GCX+ Controller Enclosure

UPC: 813474022412 30-45 lb (30x24x10)

G Panel Mini Enclosure

UPC: 813474022481 20 lb (16x12x8)

GPNL-A \$1,399.00

GPNL-B \$1,399.00

GPNL-GCX \$1,369.00

GPNL-MINI \$509.00

Replacement Sensors & Probes

High quality original replacement probes and sensors.



Temperature Probe

-20 to 60°C | 10ft

Stainless steel probe, 1/4" diameter x 3" with 3ft lead. Made in USA.



Temperature Probe

UPC: 813474020166 0.2 lb (Clear Bag)

SX-T

\$44.00

pH Probe

0 - 14 pH | 10ft | BNC Connection

High quality pH sensor probe for PHX, SXH and SXHM transmitters. Made in USA.



pH Probe

UPC: 813474020142 0.3 lb (2x2x7)

SX-PH

\$79.00

pH Probe, Pointed Tip for Rockwool

0 - 14 pH | 10ft | BNC Connection

High quality pH sensor probe for PHX, SXH and SXHM transmitters. Spear tip designed for installation in rockwool type media. Made in USA.



pH Probe

UPC: 813474020142 0.3 lb (2x2x7)

SX-PHR

\$195.00

Conductivity (EC) Probe

0 - 5000 uS | 10ft | Tinned Leads

High quality electrical conductivity sensor probe for SXH and SXHM transmitters. Made in USA.



EC Probe, Standard 0 - 7,000 uS

UPC: 813474020159 0.3 lb (2x2x7)

SX-EC

\$132.00

EC Probe, Salt Water 0 - 80,000 uS

UPC: 813474022405 0.3 lb (2x2x7)

SX-EC+

\$244.00

Oxidation Reduction Potential (ORP) Probe

-1000 to +1000 mV | 10ft | BNC Connection

High quality ORP (Redox) sensor probe for SXH and SXHM transmitters. Made in USA.



ORP Probe

UPC: 813474020708 0.3 lb (2x2x7)

SX-ORP

\$229.00

SX-F Flow Meter Sensor

2-40gpm (7-150lpm) | 1" NPT

NEW style precision acoustic type flow meter for SXF flow meters and Agrowtek Fertigation Systems. Acoustic flow meters have no moving parts and won't jam or clog with small debris and minor sludge. Made in Germany.



SX-F Flow Sensor

UPC: 813474022214 0.3 lb (3x4x5)

SX-F-1

\$229.00

SX-F Flow Sensor Cable, M12 to 3-Pin

CAB-SXF-6

\$39.00

Wind Speed Anemometer

0 - 125mph | 25ft Cable | Mounting Bracket

High quality wind speed anemometer sensor for SXW weather station transmitters. Made in USA.



SX-A Wind Speed Anemometer

UPC: 813474020463 1 lb (Clear Bag)

SX-SPD

\$159.00

Wind Vane Direction Sensor

0 - 359° | 25ft Cable | Mounting Bracket

High quality electronic wind direction vane sensor for SXW weather station transmitters. Made in USA.



SX-V Wind Direction Sensor

UPC: 813474020470 1 lb (Clear Bag)

SX-DIR

\$279.00

Parts & Accessories

Service parts & accessory items for Agrowtek products.

Sensor Fan, Aspirator

Quiet | High Performance

Original quiet and compact aspirator fan for SXC, SXE and SXW environment sensors.



Sensor Fan

UPC: 813474021101 0.1 lb (2x2x2)

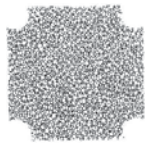
SX-FAN

\$15.00

Fan Air Filter

Replaceable | Washable

Replacement filter element for aspirator fans.



Fan Air Filter

UPC: 813474021118 0.1 lb (Clear Bag)

SX-FLT

\$2.00

DIN Rail Mounting Kit

Includes Brackets & Screws

Mount Agrowtek's precision SXH & SXHM hydroponics transmitters, HX8 hubs, LX modules and more to DIN rail with this convenient kit. Includes two (2) snap-on brackets and two (2) thread-forming screws for mounting to the brackets. *DIN rail not included.*



DIN Rail Bracket Kit

UPC: 813474021095 0.2 lb (Clear Bag)

DIN-K

\$6

SXC Sensor Hanger Bracket

Replacement Hanger

Stainless steel hanger bracket for SXC generation 1 environment sensors.



SXC Bracket

UPC: 813474022153 0.2 lb (Clear Bag)

MP1-49

\$15

Power Supply

Replacement OEM Class II UL Listed Power Supplies

Replacement DC switch-mode power supplies for Agrowtek products.

All power supplies are UL listed class II power supply devices with standard 120V wall plug.



24Vdc, 1A (24W) Standard Power Supply

UPC: 813474021118 0.3 lb (2x4x4)

PSU-24X1000

\$29.00

24Vdc, 1.67A (40W) PSU for GCX/GCX+ Controller

UPC: 813474021064 0.5 lb (2x4x4)

PSU-24X1670

\$52.00

24Vdc, 2.5A (60W) PSU for VX8i Valve Controller

UPC: 813474021064 0.5 lb (2x4x4)

PSU-24X2500

\$68.00

Sensor Probe Gland

Probe Fittings for Pipe Thread Installation

Install pH, EC, ORP and temperature probes directly inline with your water line for best accuracy and longevity. Threaded NPT fitting installs into threaded pipe fitting and probe is compression sealed compression fitting. Customized full-bore fitting allows probes to fully extend through the fitting into the fluid flow when it has been installed into a pipe fitting. Constructed of polypropylene for superior chemical compatibility with all standard agricultural chemicals, acids and bases.



1/2" I.D. x 1/2" NPT Probe Gland with O-Ring (pH, EC, ORP probes)

UPC: 813474020920 0.1 lb (2x2x2)

GND-50

\$14.00

1/4" I.D. x 1/4 NPT Probe Gland (temperature probes)

UPC: 813474020937 0.1 lb (2x2x2)

GND-25

\$9.00

GrowNET (cat5e) Patch Cables

Cat5e | RJ45 Connectors

Staight-through cat5e cables for GrowNET port connections. High quality cables are available in various lengths for connecting GrowNET enabled sensors, relays, pumps, etc. Black, 30AWG UTP Cat5e.



Style may vary slightly from image.

GrowNET Patch Cable, 20ft

UPC: 813474020999 0.5 lb (Clear Bag)

CAB-GX20

\$14.00

GrowNET Patch Cable, 50ft

UPC: 813474021002 1 lb (Clear Bag)

CAB-GX50

\$33.00

GrowNET Patch Cable, 100ft

UPC: 813474021019 2.5 lb (Clear Bag)

CAB-GX100

\$45.00

GrowNET Cross-Over Adapter

For Mini Control Systems

A GrowNET cross-over adapter is required when connecting Agrowtek's intelligent sensors and relays in a mini-control system. The cross-over kit (included with mini-control system kits) has a 6" pigtail cable and cross-over adapter for use with standard GrowNET (cat5e) cables.



GrowNET Cross-Over Kit

UPC: 813474021026 0.2 lb (Clear Bag)

CAB-GXO

\$6.00

GrowNET Port Cover

Dust | Moisture Protection

Cover un-used GrowNET ports in SXH/SXHM sensors or GrowNET multi-port hubs.

Covers fit snugly onto the port pocket and seal against dust and moisture.



GrowNET Port Cover

UPC: 813474021071 0.2 lb (Clear Bag)

GNP-1

\$1.00

GrowNET Port Cover, 10-Pack

UPC: 813474021088 0.2 lb (Clear Bag)

GNP-10

\$8.00

SDI12 TRS Extension Cables

Extension cables for use with Teros 12 and Terralink moisture sensors with TRS (stereo) type connector (standard from Agrowtek.) Cables simply connect together to extend to the length required and are easy to plug and unplug. Use heat-shrink tubing to moisture seal connections.



TRS Extension Cable, 25ft

UPC: 813474022429 2 lb (4x4x1)

CAB-TRS-25

\$24.00

TRS Extension Cable, 50ft

UPC: 813474022429 2 lb (4x4x1)

CAB-TRS-50

\$29.00

AGROWTEK

