







GrowControl™ GXH is a precision digital data logger and controller for automated nutrient dosing using AgrowDose™ peristaltic dosing pumps. Available with temperature, pH, conductivity, O.R.P., D.O. and flow sensor inputs. Optional flow sensor can stop dosing when there is no flow and allows for “proportional” dosing mode injecting chemicals according to the flow rate.

Color LCD display and button interface allows instant access to sensor readings, guided calibration, alarms, historical graphing and more. Multi-recipe memory stores 14 different configurations for quick changes according to growth phase. Dose up to 6 different chemical parts. Internal memory logs over 20,000 data points per sensor.







Available with WiFi module for remote monitoring. USB port connects to a PC for datalog downloads & updates. Connects to Agrowtek’s GrowControl™ Cultivation Controllers as part of a complete facility control solution.

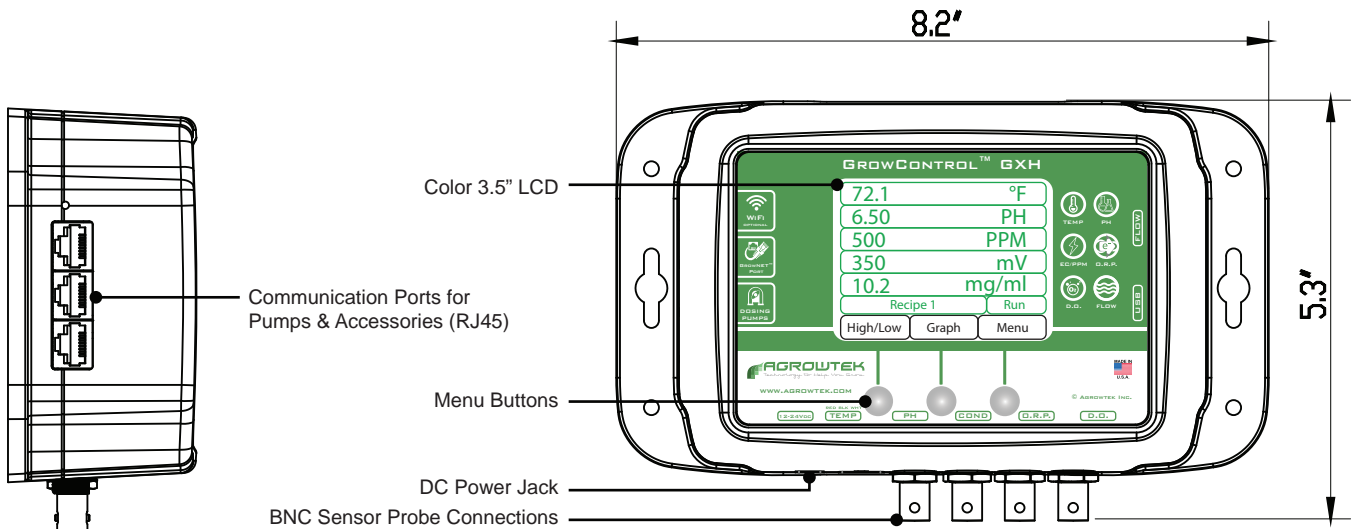


Sensors

-  Water Temperature
-20 - 60°C x 0.1°
-  Conductivity
0 - 5000uS x 10uS
-  pH
0 - 14pH x 0.01pH
-  Oxidation Reduction Potential (ORP)
+/-1000mv x 1mV
-  Dissolved Oxygen (DO)
0 - 40mg/mL x 0.1mg/mL
-  Flow Rate
0 - 35gpm x 0.1gpm

Features

-  WiFi optional for sensor monitoring
-  Real Time Clock (RTC)
Battery Backup Included
-  MODBUS RTU for industrial PLC applications
-  Durable splash-proof ABS plastic enclosure
Conformal coated circuit boards
-  1-Year Warranty
-  Made in USA



Typical Applications



Greenhouses & Indoor Growing Facilities



Aquarium



Industrial Processes, PLC's



Analytical, Data Logging research & academic applications

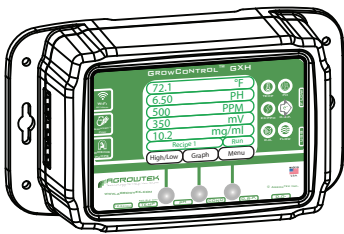


Pool & Spa

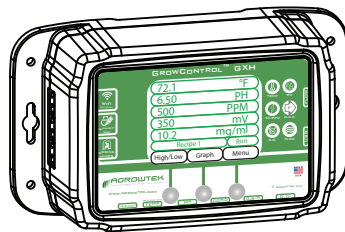


OEM & custom applicatoins

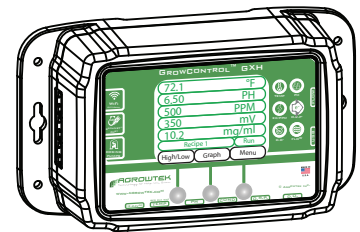
Stand Alone



GDX Dosing System



Industrial PLC

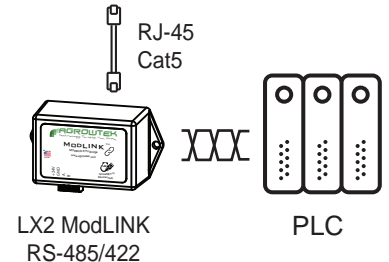
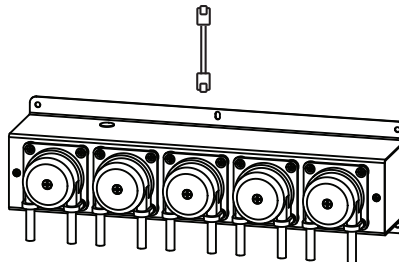


WiFi

USB/PC

LX2 MODBUS

RS-422
RS-485



Use as a basic monitor or connect directly to a computer using the USB port and free PC software for data logging and email alerts. *API and C# demo code available for custom applications.*

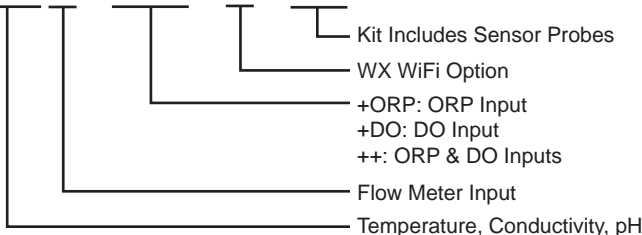
Combine the GXH controller and a AgrowDose™ ADi pump to form a powerful and economical automatic GDX dosing system. Operate up to a 6-part dosing pump and store up to 14 recipies for easy change-over.

Agrowtek's sensors 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.

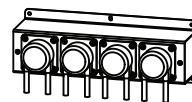
Add the WiFi option to monitor the sensor directly from any web browser.

Ordering Options

GXHF +ORP - W - KIT



Optional Accessories



AD

AgrowDose Peristaltic Dosing Pumps



LX2

ModLINK MODBUS Bridge



HX8

GrowNET 8-Port Hub