



GC QUAD SENSOR



Installed GC QUAD Sensor with Visual LED Alarm Connection

GC QUAD Sensor: a Carbon Dioxide, Relative Humidity, Temperature, and Light Sensor in One Box!

FEATURES

- ▣ CO₂ Monitoring & Control
- ▣ CO₂ Safety/Evacuation
- ▣ Dual-Band Infrared CO₂ Sensor: 0-10,000 PPM
- ▣ Thermistor Temperature Sensor: 30-100°F ± 0.2°F
- ▣ RH Sensor: 0-95% RH ± 1.5%
- ▣ Light Sensor
- ▣ Control Outputs
- ▣ Multiple Sensors can run on Canbus Network
- ▣ On-board Backlit Display with Current Readings
- ▣ Web Interface for Remote Access, Data Logging, & Programming
- ▣ Available as CO₂ Only with 75dB Audible Alarm
- ▣ Interior/Exterior Room LED Visual Alarm Option
- ▣ Optional Waterproof Washdown Casing
- ▣ Optional Oxygen Sensor



GC QUAD Sensor in Optional Washdown Casing (Inset: Closed)

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G R O W C O N T R O L L E D , L L C
100 APPLEWOOD DRIVE SPARTA MICHIGAN · SODUS NEW YORK · UNION GAP WASHINGTON · PADDOCK WOOD UK
T 616.256.0420 · F 616.887.1128 · INFO@GROWCONTROLLED.COM · GROWCONTROLLED.COM



GC QUAD SENSOR

CO ₂	Temp	Humidity	VPD	Light
1277	80.09	44.73	1.44	276
ppm	°F	RH	kPa	Lux

Updated:

7sec ago

Measurement Timeline

Plot Range

Last 3 Days



SPECIFICATIONS

UNIT SPECS

Operating Temperature	32°F - 122°F
Integrated Sensors	Carbon Dioxide, Temperature, Relative Humidity, Light
Power Source	10-24VDC
Power Consumption	12.5W + 1.08W per Audible/Visual Strobe Alarm Maximum
Communications	Eeb Data Upload, Modbus TCP
Dimensions	180.00mm x 180.00mm x 48.50mm (7.09in x 7.09in x 1.91in)

CARBON DIOXIDE SENSOR

Detection Range	360 - 10,000ppm CO ₂
Detection Technology	Non-Dispersive Infrared (NDIR); Single Light Source, Dual Wavelength
Accuracy	±50ppm+3% of reading in the range of 360 - 5,000ppm CO ₂
Pressure Dependency	Approx 1% of reading/kPa
Response Time	90 seconds (Diffusion)

TEMPERATURE SENSOR

Accuracy	±0.9°F (-13°F - 185°F)
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HUMIDITY SENSOR

Operating Humidity Range	0 - 100% RH (Maximal Dew Point = +185°F)
Accuracy	< ±3% RH (15 - 85% RH at +73.4°F) < ±5% RH (0% - 15% RH and > 85% RH at +73.4°F)
Response Time	< 5s (50 - 0% RH) at +185°F

LIGHT SENSOR

Detection Technology	Dual Diode
Lux Range*	188 uLux - 88,000 Lux

AUDIBLE/VISUAL STROBE ALARM (OPTIONAL)

Voltage	10-24VDC
Number of LEDs	54
Lens Color	Amber
Current Draw	90 - 350mA (Setting Dependent)
IP Rating	IP55

KILOWATCH ENG
COMPATIBLE PRODUCT

* Light sensor specifications are shown. Actual performance is dependant on angle of light source relative to the sensing element. Sensor is used in this device exclusively for identifying if grow lights are on or off.

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