# 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

- O CO<sub>2</sub> Monitoring & Control
- **o** CO₂ Safety/Evacuation
- **□** Dual-Band Infrared CO<sub>2</sub> Sensor: 0-10,000 PPM
- **o** Thermistor Temperature Sensor:  $30-100^{\circ}F \pm 0.2^{\circ}F$
- **○** 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
- **o** Web Interface for Remote Access, Data Logging, & Programming
- Available as CO<sub>2</sub> 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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CO <sub>2</sub>	Temp	Humidity	VPD	Light
1277	80.09	44.73	1.44	276
ppm	°F	RH	kPa	Lux

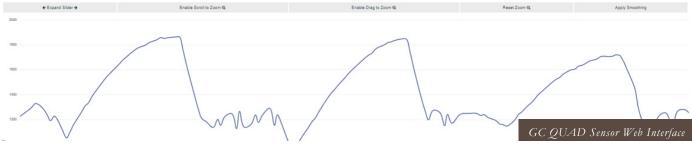
Updated:

7sec

#### Measurement Timeline



Co.



## SPECIFICATIONS

#### UNIT SPECS

Communications

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

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<sub>2</sub>

Detection Technology Non-Dispersive Infrared (NDIR); Single Light Source, Dual Wavelength

Accuracy  $\pm 50 ppm + 3\%$  of reading in the range of 360 - 5,000ppm  $CO_2$ 

Pressure Dependancy Approx 1% of reading/kPa Response Time 90 seconds (Diffusion)

### TEMPERATURE SENSOR

Accuracy ±0.9°F (-13°F - 185°F)

### HUMIDITY SENSOR

Operating Humidity Range 0 - 100% RH (Maximal Dew Point = +185°F)

Accuracy  $< \pm 3\%$  RH (15 - 85% RH at  $\pm 73.4$ °F)

 $< \pm 5\%$  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

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Lens Color Amber

Current Draw 90 - 350mA (Setting Dependent)

IP Rating IP55

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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