

Ax60+ by ANALOX

CULTIVATE

Stay Safe and **Cultivate!**



The Ax60+ Cultivate is a carbon dioxide (CO₂) safety monitor designed specifically for indoor agriculture facilities such as vertical farming, greenhouses and cannabis farms.

It ensures staff safety by monitoring CO₂ levels and triggering alarms at preset thresholds.

Powered by our proprietary NDIR (non-dispersive infrared) sensor technology, the Ax60+ Cultivate ensures precision in CO₂ measurement. Versatile and adaptable, this monitor is designed to be flexible, featuring a modular setup that accommodates 1 to 4 sensors per system, with the option of attaching up to 4 alarm units per sensor. This modularity enables comprehensive coverage for extensive indoor grow operations.

With an extended 5-year warranty for the sensor and electronics, the Ax60+ Cultivate provides indoor farmers with a dependable high-performance solution, safeguarding staff from potential CO₂ exposure risks.

Features

- NDIR infrared CO₂ sensor with 40 second warmup time
- Measurement range of 0.1% to 5% CO₂
- Modular system **supports 1-4 sensors** and up to 4 alarm units per sensor
- **5 year warranty** on sensors and electronics
- Available as quick connect plug and direct connect
- **Durable IP55** rated water-resistant enclosures
- 24V power supply versions available for low voltage operation

In the box accessories

The Ax60+ Cultivate comes with these accessories as standard:

- 1 x Splash Guard
- 1 x Quick Connect+ Splitter
- 1 x Quick Connect+ Coupler

Gases Detected

Carbon Dioxide (CO₂)

Benefits

- **Ready to install** - straight from the box
- Proprietary NDIR CO₂ sensor technology provides accurate measurement with minimal maintenance ensures lasting performance
- Preconfigured alarm setpoints to **meet all state and local fire/building codes** and regulations out of the box
- Modular and **flexible system** scales from small to large grow facilities
- **Retrofits with existing Ax60+** safety systems for consolidated monitoring
- Alarm set points can be **changed by the user** if there is a change in legislation
- Ensures **staff safety** by monitoring CO₂ and triggering audible/visual alarms

Applications

Designed specifically for indoor agriculture, such as vertical farming, greenhouses and cannabis farms.

Your Challenge, **Our Passion**

Speak to **our team today** UK/Global: +44 (0)1642 711 400
US Office: (714) 891 4478
US Toll Free: (877) 723 3247

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Tech Spec

Gas detected	Carbon Dioxide (CO ₂)
Sensor technology	Infrared
Range	0.1% to 5%
Default alarm set-points	USA regulations (NFPA 55, IFC, NBIC, OSHA and NIOSH): TWA - 5,000ppm (0.5%) AL1 - 5,000ppm (0.5%) AL2 - 15,000ppm (1.5%) AL3 - 30,000ppm (3%)
Warm up time	40 Seconds
Resolution	0.01%
Accuracy	±2.5% of the alarm levels
Response Time	30 seconds to T90
IP Rating	IP55
LED indicators	Green = Power Red = Alarm
Warranty	5 years for both sensor and electronics



Ax60+ Modular System

If your requirements go beyond a single Cultivate sensor or if your business is poised for future expansion, the Ax60+ Modular System presents an ideal expansion solution for your Cultivate setup. Here are the extra units you can choose;

- **Central display unit** allows for convenient gas monitoring from a remote location such as an office
- **Alarm units** available with multiple color strobe colors and 80+ dBA sounder
- Choose extra sensors to fit you needs:
 - **Cultivate CO₂ Agriculture specific sensor**
 - **CO₂ sensor** (requires alarm unit)
 - **O₂ Sensor** (requires alarm unit)
- Connect to your Building Management System (BMS) with the **Data Output Module (DOM)** for live, remote readings
- **Built-in relays** activate ventilation or gas shut-off using the **Solenoid Valve** which automatically turns off the CO₂ supply in alarm conditions



You can call us

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You can email us

info@analoxgroup.com

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