Primary Unit

1:	770 PPM	82°F
2:	892 PPM	84°F
3:	752 PPM	82°F
4:	672 PPM	82°F

CO2 Sensor

AEROSPHERE
CO2 SENSOR
DO NOT BLOCK
KEEP DRY

Cyl-Tec®
One Resource. Zero Headaches.®
100% Employee-Owned

Horn Strobe

AEROSPHERE® CO2 MONITORING SYSTEM
Exclusively Distributed By: Cyl-Tec®
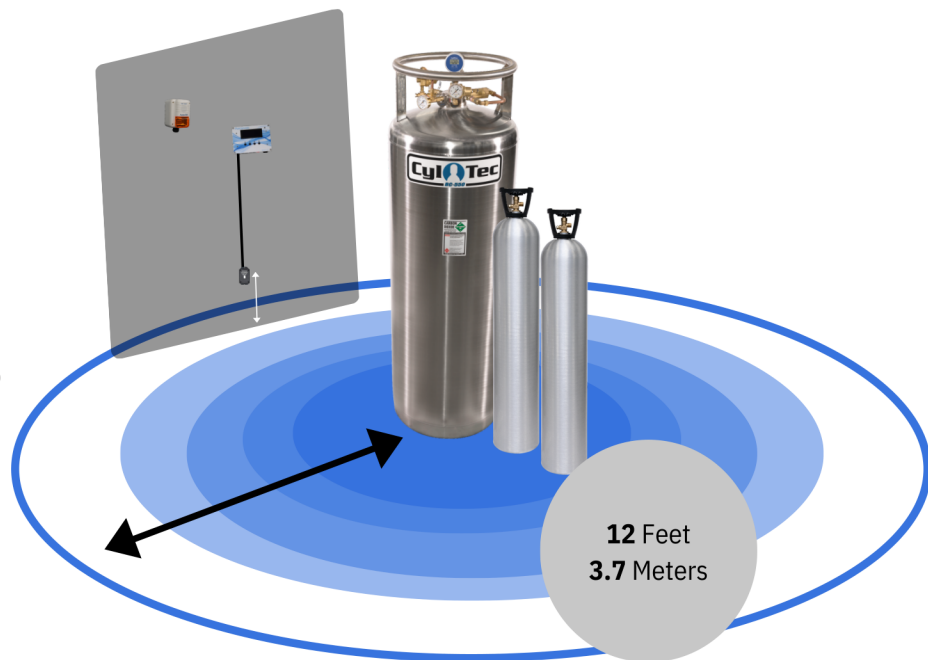
COMPLIANT WITH

DESIGNED · ENGINEERED · ASSEMBLED IN THE USA

- IFC 2021 Edition
- NFPA 55
- NBIC
- UL Listed
- Manufactured in an ISO 9001 Certified facility

KEY FEATURES

- Flexible Configuration: The system can have up to 4 separate areas being monitored at the same time from one power source
- User-configurable alarm levels and operating modes
- Individual or standard alarm configurable
- Daisy Chain horn strobes
- Two NO/NC relays for connection to fire panels and ventilation system (option for 3rd energized relay for power loss monitoring)
- Designated (red) Solenoid shut off connection for easy plug-and-play installation
- Temperature range of 32 to 125 degrees Fahrenheit

CO2 Monitoring also offers

- Professional installation of Monitoring Systems
- Permitting
- Design Services
- Drafting
- Telemetry Systems

U.S. TOLL FREE 888-429-5832

Cyl-Tec® www.cyl-tec.com

12 Feet
3.7 Meters

Applications of CO2 Monitors

- Restaurants, bars, fast food, gas stations
- Breweries, wineries, stadiums, nightclubs
- Concerts, theaters, SFX
- Slaughterhouses
- Grow houses, Greenhouses
- Freezing industry facilities
- Swimming pools
- CO2 HVAC units

CO2 MONITORING
ADVANCING AIR SAFETY

CO2 GAS DETECTION SYSTEMS & ACCESSORIES

Shut Off Solenoid Valve

Shut Off Solenoid valves can be added to the CO2 tanks for extra security. When a high level of CO2 is detected by a Solenoid valve it will automatically shut off the flow of CO2.
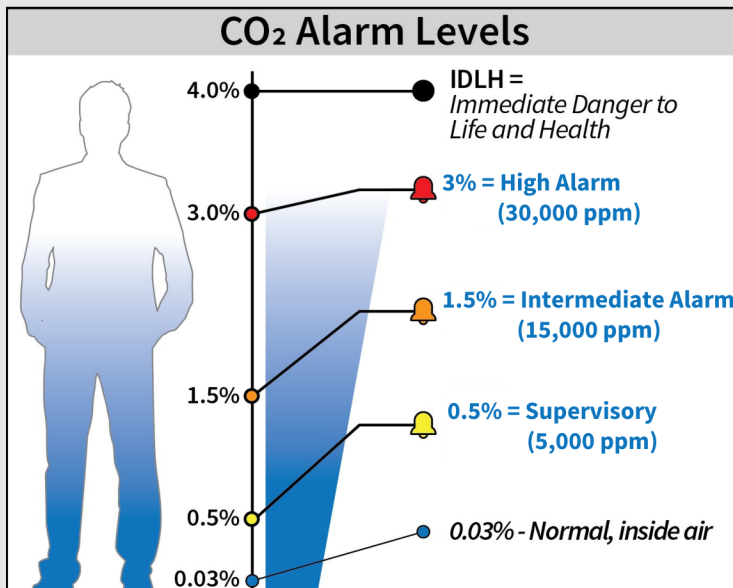
Secondary Sensor Kit

This system can be located hundreds of feet from the Primary Monitor that powers it. Can also be used to satisfy Supervisory requirements for "area normally occupied." Has the ability for its own Horn Strobe.

Sensor Cover

Sensors are installed 12 inches above the ground for the best results. This cover will protect the sensor from physical and water damage to extend the life of the sensor. (Hardware included)

CO₂ Alarm Levels

- 4.0% — IDLH = *Immediate Danger to Life and Health*
- 3.0% — **3% = High Alarm (30,000 ppm)**
- 1.5% — **1.5% = Intermediate Alarm (15,000 ppm)**
- 0.5% — **0.5% = Supervisory (5,000 ppm)**
- 0.03% — *0.03% - Normal, inside air*

CO2 RISKS & DANGERS

Carbon dioxide is an odorless, tasteless, invisible gas. Normal levels of CO2 in the atmosphere are harmless, but an increased level of CO2 in a working or home environment can have serious health effects.

CO2 concentration in a location depends on the size of the room and the saturation level of CO2. Because CO2 is 1.5 times heavier than normal air, if there is a leak, the gas accumulates from the ground up which makes a CO2 safety system a life-saving device whenever high CO2 concentration levels are detected.

THREE (3) ADJUSTABLE ALARM LEVELS -
Default settings

1. **Supervisory** — (5,000 parts per million)

2. **Intermediate Alarm** — (15,000 parts per million)

3. **High Alarm** — (30,000 parts per million) - evacuate the area and call fire department

Standard Aerosphere® CO2 MONITORING SYSTEM

Primary Unit   CO2 Sensor

The "Primary Unit" system is a CO2 single sensor with integrated audible/visible alarm indicators, designed to measure CO2 concentrations in a confined space environment at any location.

Complete Aerosphere® CO2 MONITOING SYSTEM

Primary Unit   CO2 Sensor   Horn/Strobe

This complete "Plug and Play" system contains a Primary Unit, CO2 Sensor, Horn Strobe, 704 Hazmat Sign, 6 ft. Sensor Cable, 2 ft. Horn Strobe Cable, Screws/Cable Clamps/Power Strap, three Signs, and Installation Manual.

Cyl-Tec®