

CO₂ MULTI-SENSOR SYSTEM



The Perfect CO₂ Solution

The CO₂ Multi-Sensor System detects carbon dioxide (CO₂) levels in ambient air. This protects employees and guests from potentially hazardous gas concentrations. The system allows for multiple sensors to receive power and report concentration levels to our touchscreen display. The CM-7000's customizable audible and visual alarm settings can trigger three individual relays. These relays can trigger third-party devices like exhaust systems and fire panels. Ensure the safety of your employees and guests as well as the compliance of your facility with the CM-7000 CO₂ Multi-Sensor System.

Features

- 8" Touchscreen Display Panel
- Up to 12 easily addressable CO₂ sensors
- 3 fully-configurable relays
- User configurable settings
- Field-upgradeable
- Meets NFPA, IFC, and NBIC requirements
- Meets OSHA and NIOSH TWA standards

Accessories

- **CM-7002** | Remote Relay Key Switch
- **CBL-7002** | Relay Cable for CM-7002
- **CM-7003** | Sensor Unit Add On
- **CM-7004** | Horn Strobe Add On
- **CM-7005** | Main Tablet Only
- **CM-7006** | Mini Remote Display Tablet
- **CM-7009** | POE Booster
- **CM-1026-5,6** | CO₂ Storage Safety Strobe Tower
- **SV-1029** | Solenoid Shut-off Valve

Applications



Beverage Dispensing



Restaurant & Food



Breweries & Wineries

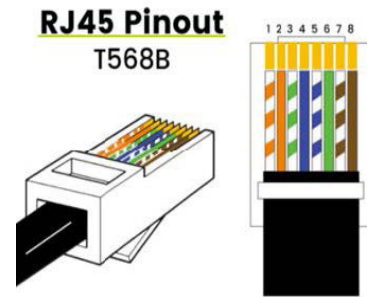


Safety



Agriculture

TECHNICAL DATA



CO₂ Multi-Sensor System

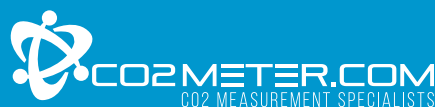
CO₂ Measurement Range	0-5% (0-50,000 ppm)
CO₂ Measurement	NDIR (Non-dispersive Infrared)
Alarms	5,000 TWA, 5,000 Instantaneous, 1.5%, 3% (fully customizable)
Measurement Interval	2 seconds (0.5 Hz)
Operating Temperature	32-122° F (0-50° C)
Calibration	Zero with Nitrogen or Factory Calibration
Connections	RJ45 Pinout T568B
Sensor Life Expectancy	>15 years

Electrical and Mechanical Specifications

Power Supply	48-54 VDC power adapter
Power Input	4.5-5.25 VDC
Power Consumption	300 mA peak, 30 mA average
Horn Strobes	90-120 dB 3KHz, 110 cD

Models

CM-7000	1 Touchscreen Control Tablet, 2 Sensing Units, 2 Horn Strobes, 2 25-foot CAT5 cables, 2 6-foot CAT5 cables, mounting hardware, power supply, safety signage
CM-7001	1 Additional Sensing Unit + 1 Additional Horn Strobe
CM-7003	1 Additional Sensing Unit *Each sensor covers approximately 1500 sqft*
CM-7004	1 Additional Horn Strobe



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