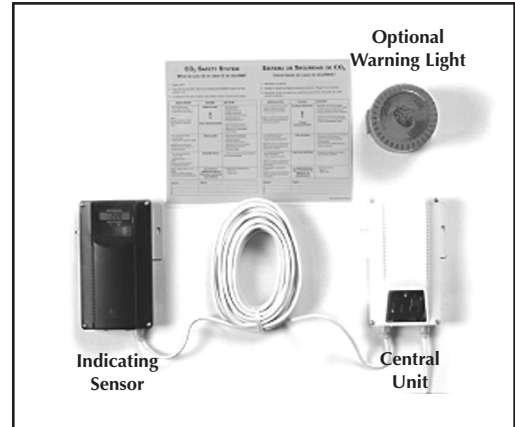


CO₂ Safety Systems

The CO₂ Safety System is a precision instrument that provides continuous and accurate monitoring of CO₂ levels to insure the safety of your working environment.

Carbon Dioxide (CO₂) is a colorless, odorless, nontoxic gas which normally comprises 0.04% of the air we breathe. However, CO₂ gas does not support life and in concentrations above 3% has suffocating effects causing symptoms such as headache, sweating, rapid breathing, increased heart rate, shortness of breath or dizziness. Air having CO₂ concentrations higher than 5% can cause unconsciousness or death within minutes. CO₂ gas is heavier than air, so high concentrations will be found in lower spaces of confined areas or in basements, posing a risk of suffocation to anyone in those areas.



Features

- Patented Gold Plated Sensors
- High and Low CO₂ Alarm
- Continuous Monitoring and Display of % CO₂ and Temperature
- Up to 4 Sensors Per Central Unit
- Visible Audible Alarm Indicators in Central Unit and Sensor
- Indicates which Sensor Reports an Alarm or Fault
- Activation of a Fan or External Warning Lamp from Each Sensor Possible
- Plug-In Cables for Easy, Fast and Inexpensive Installation
- Three-Year Product Warranty
- Patented Self-Calibration, Five-Year Calibration Guarantee
- Gore-Tex® Water Resistant
- Approved by UL, TÜF and CE

Typical Applications

- Incubator Rooms
- Food Processing
- Beverage Dispensers
- Water Treatment

Specifications

Product

Operating Principle . . . Infrared Technology

Temp. Measurement Range 32° to 122° F (0 to 50° C)

CO₂ Measurement Range 0-4 Vol%

Gas Sampling Mode Diffusion

Accuracy

Temperature ±1.8° F (±1° C)

CO₂ at Full Operating Temp. Range ±0.05 Vol%

Annual Zero Point Drift <0.01 Vol. % with Automatic Self Calibration

Standard Alarm Levels

(Factory Adjustable)
 CO₂ 1.5% Low Alarm
 CO₂ 3% High Alarm

Performance

Compliance with89/336/EEC/UL/CE

Maintenance Interval5 Years

Sensor Life Expectancy>15 Years

Dimensions (LxWxD)
 7" x 4" x 2" / 180 x 100 x 52mm

Power

Power Input
 110-240 Volts AC/50-60 HZ 11±3V DC

Outputs

Digital Interface
 RS 485 Serial Port with Logico Program

Display
 4 Digit LCD Display with % CO₂ and C° Indication

Filter Special Gore-Tex®

How to Order:

Model Number	Description
59007467	Monitor kit central unit with one sensor
59007483	Warning light