

# PureAire Dual Oxygen / CO<sub>2</sub> Monitor

## Features

- ✓ No maintenance zirconium O<sub>2</sub> cell and long life CO<sub>2</sub> sensor
- ✓ No calibration required for oxygen
- ✓ Self-calibrating CO<sub>2</sub> sensor
- ✓ Local backlit concentration display
- ✓ Built-in audible horn
- ✓ Built-in visual LED alarm indicators
- ✓ Alarm level 1 and 2 for O<sub>2</sub> and CO<sub>2</sub>
- ✓ 3 year warranty
- ✓ No drift due to environmental or temperature changes



CE Made in US

The PureAire **Dual O<sub>2</sub>/CO<sub>2</sub>** Monitor is a compact gas monitoring system that's ideal for the continuous monitoring of both gases simultaneously in N<sub>2</sub> gas storage areas, CO<sub>2</sub> beverage gas distribution areas, confined spaces, and other locations where low oxygen levels may pose a hazard to personnel. Unlike continuously depleting electrochemical sensor cells, the PureAire **Dual O<sub>2</sub>/CO<sub>2</sub>** exclusive zirconium cell and patented NDIR cell provide stable oxygen and CO<sub>2</sub> readings even in areas where temperature, barometric pressure and humidity levels are changing. The PureAire **Dual O<sub>2</sub>/CO<sub>2</sub>** oxygen sensor requires no quarterly calibration or annual maintenance and the CO<sub>2</sub> sensor automatically adjusts to ambient levels. Just plug it in and leave it alone.

## No calibration required

The **Dual O<sub>2</sub>/CO<sub>2</sub>** Monitor does not require quarterly calibration. The earth is a wonderful source of calibrated oxygen, and under ambient levels, PureAire's **Dual** monitor is continuously being challenged to 20.9%. Additionally the ambient earth levels of CO<sub>2</sub> are 400ppm. Every week, or on demand, the monitor automatically adjusts to ambient CO<sub>2</sub> levels. There are no zero or span adjustments to make or expensive maintenance required.

## Plug & Play Operation

The **Dual O<sub>2</sub>/CO<sub>2</sub>** Monitor is ready to go right out of the box. Just mount it to wall or other surface and plug in the power supply into any wall socket. After a 4-minute start-up sequence, the monitor automatically starts operating. It's designed for unattended 24-7 leak detection for years. Supplied with a full bumper-to-bumper warranty, the **Dual O<sub>2</sub>/CO<sub>2</sub>** will be the last monitor you'll need to purchase.

## PureAire's Dual O<sub>2</sub>/CO<sub>2</sub> monitor installations

The **Dual** Monitor is used in restaurants where CO<sub>2</sub> and nitrogen are used to dispense beverages and agricultural grow rooms to alert and protect personnel from entering potentially hazardous situations if a leak occurs. Ideal for continuously monitoring oxygen and CO<sub>2</sub> levels in confined spaces or areas where inert gases are used, the **Dual O<sub>2</sub>/CO<sub>2</sub>** Monitor does not drift or lose sensitivity when the weather or temperature changes.

## Dual O<sub>2</sub>/CO<sub>2</sub> monitor Control Features

The **Dual O<sub>2</sub>/CO<sub>2</sub>** Monitor has individual dedicated user selectable relays designed to operate on-off valves for the control of CO<sub>2</sub> injection in grow rooms while simultaneously activating alarms when oxygen levels get too low. The oxygen sensor can also be used for controlling nitrogen generators for hypobaric rooms while using the CO<sub>2</sub> sensor to alarm to TLV levels of carbon dioxide. PureAire uses a sophisticated built-in CPU that provides users with an inexpensive monitor with local display, safety alarms and control for both oxygen and carbon dioxide simultaneously.

## Specifications

Sampling Method & Range	Diffusion, 0-25% O <sub>2</sub> , 0-10,000ppm CO <sub>2</sub>
Accuracy	± 1% of full scale
Operating Temperature	-0 to + 55 C
Display	¾" backlit LCD digital display
Sensor Type	Long life zirconium oxide sensor for O <sub>2</sub> and NDIR for CO <sub>2</sub>
Alarm indicators	Built-in Audible 90dB horn Orange LED alarm indicator for CO <sub>2</sub> Red LED alarm indicator for O <sub>2</sub>
Signal Outputs	One user adjustable Alarm relay for Oxygen One user adjustable Alarm relay for CO <sub>2</sub> Relays are rated 2 amp 24VDC / 24VAC
Analog Output	Analog 4-20mA output. Selectable for either Oxygen or CO <sub>2</sub>
Power Requirements	24VDC 350mA
Dimensions	6.5 (W) x 4.5 (H) x 3.25 (D) inches; (160.1 mm x 114.3 mm x 82.5 mm)
Weight	1.6 lbs. (.8 kg)
Enclosure	Polycarbonate
Required calibration	None for Oxygen. None for CO <sub>2</sub> when Auto Cal function is activated.



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