PureAire Dual
Oxygen / CO_2 Monitor

Features

✓ No maintenance zirconium O_2 cell and long life CO_2 sensor

✓ No calibration required for oxygen

✓ Self-calibrating CO_2 sensor

✓ Local backlit concentration display

✓ Built-in audible horn

✓ Built-in visual LED alarm indicators

✓ Alarm level 1 and 2 for O_2 and CO_2

✓ 3 year warranty

✓ No drift due to environmental or temperature changes

Made in US

CE

The PureAire **Dual O_2/CO_2** Monitor is a compact gas monitoring system that's ideal for the continuous monitoring of both gases simultaneously in N_2 gas storage areas, CO_2 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_2/CO_2** exclusive zirconium cell and patented NDIR cell provide stable oxygen and CO_2 readings even in areas where temperature, barometric pressure and humidity levels are changing. The PureAire **Dual O_2/CO_2** oxygen sensor requires no quarterly calibration or annual maintenance and the CO_2 sensor automatically adjusts to ambient levels. Just plug it in and leave it alone.

No calibration required

The **Dual O_2/CO_2** 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_2 are 400ppm. Every week, or on demand, the monitor automatically adjusts to ambient CO_2 levels. There are no zero or span adjustments to make or expensive maintenance required.

Plug & Play Operation

The **Dual O_2/CO_2** 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_2/CO_2** will be the last monitor you'll need to purchase.

PureAire's Dual O_2/CO_2 monitor installations

The **Dual** Monitor is used in restaurants where CO_2 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_2 levels in confined spaces or areas where inert gases are used, the **Dual O_2/CO_2** Monitor does not drift or loose sensitivity when the weather or temperature changes.

Dual O_2/CO_2 monitor Control Features

The **Dual O_2/CO_2** Monitor has individual dedicated user selectable relays designed to operate on-off valves for the control of CO_2 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_2 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_2, 0-10,000ppm CO_2
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_2 and NDIR for CO_2
Alarm indicators	Built-in Audible 90dB horn Orange LED alarm indicator for CO_2 Red LED alarm indicator for O_2
Signal Outputs	One user adjustable Alarm relay for Oxygen One user adjustable Alarm relay for CO_2 Relays are rated 2 amp 24VDC / 24VAC
Analog Output	Analog 4-20mA output. Selectable for either Oxygen or CO_2
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_2 when Auto Cal function is activated.

MADE IN USA

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