



99132/99134



99133/99136



## Explosion Proof Oxygen Deficiency Monitor - 0-25%

ITEM#: 99132 Class I Enclosure

ITEM#: 99133 Class II Enclosure

ITEM#: 99134 Class I Encl-NO Pump

ITEM#: 99136 Class II Encl-Includes RS-485 Serial Communication

### Product Summary

The Explosion Proof Oxygen Deficiency Monitor is perfect for facilities that use inert gases including, but not limited to, nitrogen, helium, and argon. The enclosure is specifically designed to prevent ignition of an explosion. The monitor is well suited for environments such as corn and grain processing facilities, powder coating plants, and the oil and gas industry where combustible dust, and ignitable fibers are present. The monitor will remain accurate at temperatures as low as -40C. PureAire's durable, non-depleting, zirconium oxide sensor will last up to 10+ years in a normal environment without needing to be replaced.

Operator interface is via a menu driven magnetic keypad allowing full access without opening the enclosure.

The optional RS-485 feature provides serial communication between a PLC or PC and the monitor, which enables the monitor to transmit current relay and fault status.

### Facilities That Need This Product

- Aerospace
- Additive Manufacturing/3-D Printing
- Biomedical
- Food Processing
- Corn and Grain Processing
- Oil and Gas

## FEATURES

- 99132-Class I, Div 1 & 2, Groups B,C,D, Zones 1 & 2, Groups IIB +H2, IIA
- 99133-Class II, Div 1 & 2, Groups E,F,G
- 99134-Class I, Div 1 & 2, Groups B,C,D, Zones 1 & 2, Groups IIB +H2, IIA (NO Pump)
- 99136-Class II, Div 1 & 2, Groups E, F, G/Includes RS-485 Serial Communication
- Long-life 10+ year average sensor life
- Two, user-adjustable, alarm relay setpoints available or alarm defaults are set for 19.5% and 18.0%
- UL, C UL, and CE approval on enclosure
- 3-Year warranty
- Back-lit LCD Display
- 4-20mA analog output (Active)
- Wall mounting brackets
- Built-in flow sample pump (99132, 99133, 99136)

## Why choose PureAire?

PureAire Monitoring Systems, Inc. is an industry leader in oxygen monitoring and gas detection. For over 25 years, we have dedicated ourselves to the safety of our clients, and the customers they serve, by manufacturing monitors that are long-lasting, accurate, and reliable. PureAire takes pride in providing exceptional customer service, along with 24/7 availability to our technical service department.

## Why and Explosion Proof O2 Monitor?

The Explosion Proof O2 Deficiency Monitor is designed for continuous monitoring where low oxygen levels and the risk of an explosion pose a hazard to personnel.

## What gases can be detected with an Explosion Proof O2 Monitor?

PureAire's Explosion Proof O2 monitors can be used in an ambient atmosphere where inert gases, including nitrogen, argon, helium, and carbon dioxide are used.

## Easy to Use

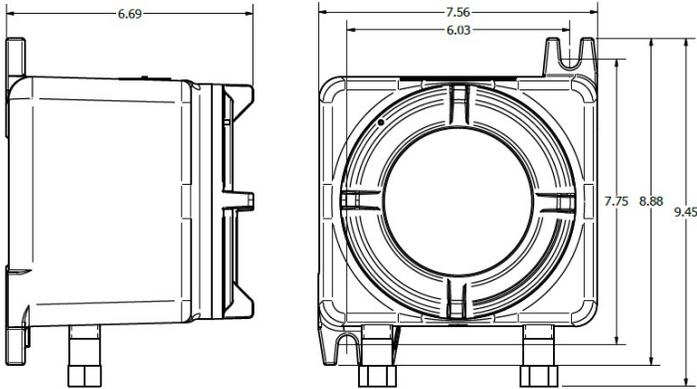
Secure the monitor to the wall 3-5 feet from the gas and connect to 24VDC 700mA power source. The monitor will begin sampling oxygen levels after a brief startup period. Oxygen levels are displayed clearly on the screen for easy access and visibility.

# Top Advantages of Oxygen Deficiency Monitor

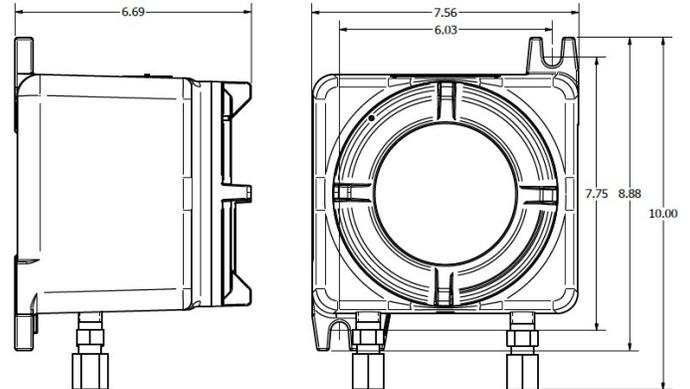


## Oxygen Deficiency Alarm

PureAire's O2 Monitor comes with 2 adjustable alarm setpoints that can connect to a horn/strobe, exhaust fan, 8 channel controller, remote display, or into building systems. Alarm signals also can tie into automatic shut-off valves when oxygen levels fall below the OSHA threshold.



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## Top Accessories



8-Channel Programmable  
Controller  
ITEM #: 99196



Remote Digital Display  
ITEM #: 99091



Hazardous Location Horn/Strobe

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