

# Air check ✓ O<sub>2</sub>

## IP67 Water Resistant Sample Draw Monitor

### Features

- ✓ Suitable for remote sampling to 100 feet
- ✓ IP67
- ✓ No maintenance Zirconium cell
- ✓ No calibration required
- ✓ 3 year warranty
- ✓ No drift to environmental or temperature changes
- ✓ 10 + year Sensor life
- ✓ Local display
- ✓ 4-20 mA analog output.
- ✓ Built-in flow sample pump
- ✓ Built-in user adjustable alarms & relays
- ✓ Optional built-in audio horn



### Long Last Zirconium Sensor

As a leading manufacturer of oxygen monitors, PureAire Monitoring Systems puts performance, reliability, and affordability first. Our oxygen monitors last for 10+ years with no replacement, no maintenance, and no hidden costs.

These monitors work well anywhere gas leaks would cause oxygen depletion, including in Food and Beverage, Bottling plants, Flash freezing tunnels, laboratories, manufacturing facilities, and freezers. Our monitors have a long-lasting zirconium oxide sensor, which delivers reliable monitoring against leaks of argon, helium, and nitrogen for 10 years. The device has its own audible and visual alarm, but it can be connected to fire alarm systems to amplify the reach.

The O<sub>2</sub> monitor is easy to set up, easy to operate, and requires no calibration once installed. Supervised watchdog software checks that everything is working properly and notifies you of any inconsistencies on the monitor. Immune to performance changes from barometric pressure drops, humidity, and temperature, these monitors are reliable and cost-effective.

### Connects to Distributive Control Systems and Programmable Logic Controllers

The Air Check O<sub>2</sub> Sample Draw Monitor can be used with PureAire's proprietary controllers, either single or multichannel. Dual selectable alarm relays set off strobe lights and remote horns, so that staff can learn of the hazard. Individuals can operate the oxygen monitors remotely by as much as 1,000 meters or 0.6 miles from the centralized control systems.

## Better Oxygen Sensor Cell

Unlike other oxygen monitors, PureAire's Air Check O2 Deficiency Monitor relies upon a Current Limiting Zirconium Oxide Oxygen sensor. This sensor does not need a reference gas and can perform reliably in environments that contain 100 percent nitrogen. The sensitive monitor can tell oxygen levels by percentages, so it can operate in lower-temperature environments than the more frequently used concentration-type cells. The improved cell helps PureAire sensor's last for 10+ years.

Once set up, the Air Check O2 Deficiency Monitor performs reliably with no concentration. The earth provides natural calibrated oxygen, which keeps the O2 monitor challenged to 10.9 percent. Enjoy consistent oxygen monitoring with no adjustments. For peace of mind, test the unit's response by subjecting the system to nitrogen periodically.

## O2 Monitor System Features

PureAire offers its Air Check O2 Deficiency Monitor in multiple configurations. Every unit comes with a choice of low-cost basic display monitor or full featured, dual level monitor with user selectable alarm relays. When built-in alarm relays are used, the sensor continuously monitors electronics, sensors cell, and sample flows. Any faulty information is provided to the front panel LED, mA output, and alarm relay, for instant notification.

## Specifications

Sampling Method & Range	Sample Draw, 0-25%
Accuracy	.1% of full scale
Operating Temperature	-40 to +122F (-40 to +50C)
Display	3/4" backlit digital display
Sensor Type	Long life zirconium oxide sensor
Sensor Life	10+ years under normal conditions
Signal Outputs	4-20 mA analog output Dual level alarm relay contacts Optional built-in horn
Power Requirements	24VDC 300mA
Dimensions	7.25 (W) x 6.0 (H) x 5.0 (D) inches; 184.2 mm x 152.4 mm x 127 mm
Weight	4 pounds (1.81 kg)
Enclosure	Polycarbonate
Required calibration	None (no zero or span pots supplied)

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