



## PureAire Gas Detection December Newsletter

### What's New at PureAire

This year has been a busy and exciting one for PureAire Monitoring Systems. Among other things, PureAire celebrated its 25<sup>th</sup> anniversary in early 2022, a milestone we could not have achieved without our valued customers and our hardworking PureAire team.

During 2022, we introduced a number of new products to our expanding line of Oxygen Deficiency Monitors. Please continue reading below, or visit [PureAire Monitoring Systems](#), to learn more about these exciting new products, as well as our complete array of Oxygen Deficiency and Carbon Dioxide Monitors, and Toxic and Combustible Gas Detectors.

All of our safety monitoring equipment is currently in stock and available for immediate shipping. We encourage you to place your orders by December 31<sup>st</sup> to take advantage of 2022 prices.

Visit our Website

### PureAire Commemorates Over 25 Years in Business



PureAire Monitoring Systems is proud to note the completion of our 26<sup>th</sup> year in business. Our journey began on January 14, 1997, with three employees working out of a spare bedroom in our founder's home.

Our mission from the beginning was, and remains, quite simple: keep people safe, by providing high-quality, accurate, and reliable oxygen deficiency monitors and gas detection equipment, with an emphasis on exceptional customer service.

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### PureAire Introduces New Trace Oxygen Analyzers

#### PPB Oxygen Analyzer

PureAire Monitoring Systems is excited to add its parts per billion (ppb) [Oxygen Analyzer](#) to our full line of Oxygen Deficiency Monitors, Carbon Dioxide Monitors, Toxic Gas Detectors, and LEL Gas Monitors. The new Analyzer measures trace levels of oxygen across a wide

variety of applications where precise, ultra-low gas concentration monitoring is critical to ensure safety and product quality.

[Read More](#)



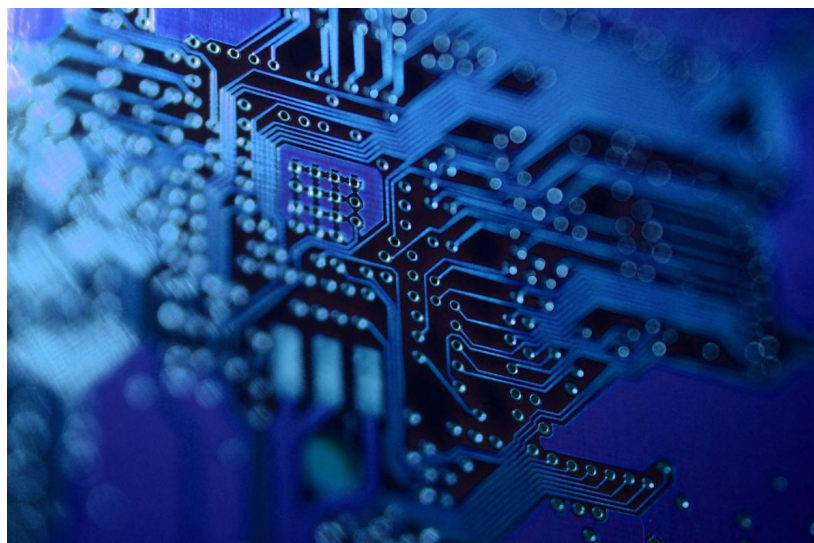
### [Trace Oxygen Analyzer 0-100 ppm](#)

PureAir's new [Trace Oxygen Analyzer](#) is capable of measuring oxygen levels from 0-100 ppm. It is well suited for the semiconductor industry, including wafer transfer systems, process chambers, and Organic Light Emitting Diode (OLED) manufacturers, as well as 3D printing, welding, pharmaceutical development, manufacturing, and packaging, and for any applications where inert gases, including, but not limited to, nitrogen, helium, and argon are used to displace oxygen.

[Read More](#)

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## Industry Spotlight - Semiconductor



The semiconductor industry manufactures microchips that act as the brains in computers, tablets, smartphones, televisions, automobiles, and many other everyday devices. The fabrication of microchips includes multiple steps, using a variety of process gases to create these invaluable electronic components.

For instance, gases such as nitrogen, argon, hydrogen, helium, and oxygen are used to create inert environments, act as heat-transfer mediums for growing germanium and silicon crystals, etching polymers, and metal annealing. Arsine, diborane, and phosphine gas may be used to alter the conductivity of the semiconductor materials by modifying the electrical properties of the materials. Chlorine, hydrogen bromide, hydrogen chloride, and hydrogen fluoride are used to etch or remove areas from the wafer surface.

## PureAire Google Reviews



*"We have a total of 9 PureAire models TX-1100-DRA oxygen monitors installed. Most have been running for many years without incident or maintenance. Customer service when needed has been excellent, with quick support and service Would not hesitate to recommend." - Matt R..*

*"During a laboratory renovation, we utilized the 8 channel controller (99058) integrated with the 1100 DRA oxygen detectors(99016) also, we included the horn strobes(42002) and remote digital display (99091). This system installed with ease and has a very user-friendly program. PureAire has multiple apparatuses for various systems and applications. I highly recommend PureAire Monitoring Systems and most definitely will revisit their product line for future projects." - Mr. Yzig*

*"Solid product, easy installation, start-up, and ease of operation! Truly a plug and play application!"  
- Richard R.*