

ABOUT US

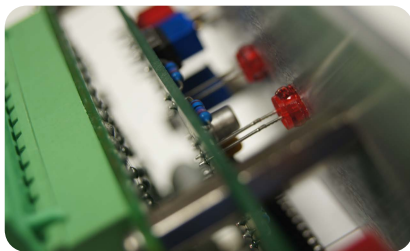
Neutronics Inc. is a leader in gas measurement solutions for the semiconductor, chemical, pharmaceutical, industrial gases, and manufacturing industries. Our technologies make reliable process and area monitoring possible, helping our customers ensure safe workplace environments, maintain high quality standards, and keep operations running smoothly.



Company profile

Neutronics Gas Analysis Solutions provides engineered solutions for continuous gas measurement and control of oxygen and other gases.

Starting with a reliable solution for preventing flash fires in hazardous solvent-based process conditions, our expertise in inert gas control and sample conditioning systems has grown to include trace measurement and environmental gas detection. Our experience enables us to better understand the demands and needs of our customers and to offer the right products and services for applications in a variety of industries ranging from semiconductor, chemical, and industrial gases to pharmaceutical, biotechnology, and personal care.



Neutronics is focused on helping its customers stay competitive by providing reliable gas measurement solutions that can help reduce costs, minimize downtime, and drive business value.

Product lines

Process analyzers
Environmental gas detectors
High purity gas monitors

Our strengths

Solutions-driven

We are 100% committed to working with our customers from the early stages of a project to identify and solve their problems and meet their specific application needs.

Effective collaboration

We work in an exciting collaborative environment focused on best-in-breed products and services. Building on our engineering bench strength in gas analysis and sensing technologies, we work together to create innovative solutions to help our customers increase plant productivity, improve process safety, enhance product quality, and ensure longer equipment life.

Customer-focused support

We combine years of technical expertise and a strong manufacturing and process industry knowledge base to deliver customer support built on our passion for continuous improvement and excellence in quality and manufacturing.



Your partner for over 35 years

- Neutronics was founded in 1976 with a focus on measurement and control of oxygen and other gases
- Our technology was selected by a leading chemical company in 1978 to provide oxygen monitoring and inert gas control systems (ICS) to prevent fires and explosions in hazardous processing applications
- Neutronics acquired the high purity oxygen analyzer technology developed by Ceramatec in 1999 to increase value for customers in the semiconductor and gas generation industries
- We partnered with Status Scientific Controls in 2001 to expand offerings in plant and personnel safety with fixed and portable gas detection systems
- Headquartered in Exton, PA, our three reporting segments -- Gas Analysis Solutions, Refrigerant Analysis, and Biomarine -- bring together extensive product development capabilities and a broad global sales/distribution network
- Together we supply innovative gas analysis and gas handling technologies and solutions for commercial, industrial, and government clients worldwide

PRODUCT LINES

Process analyzers

For oxygen measurement and inert gas control

Mini-ICS	Inert Gas Control System
	Continuous real-time oxygen monitoring
	Concentration control function with relay outputs
	User-adjustable high and low limit setpoints
	Remote calibration relay
Oxytron 2000	0.01 to 25% O ₂ measurement
	Dual channel operation – controls two processes
	Real-time sensor trending and maintenance-predictor
	Programmable automated sensor calibration
Sample conditioning systems	NEMA 4X, NEMA 7, panel mount, rack mount options
	Aspirator-driven and positive pressure-driven samplers
	For solvent-based or powder-based processing
	Intrinsically safe design for hazardous areas
	NEMA 4X enclosure for indoor or outdoor locations
	Pneumatically-powered with no moving parts

Environmental gas detectors

For workplace safety

OEM 100/120 CO	CO monitor, 0 to 200 ppm
	Panel-mount or wall-mount
	Audible and visual alarms
OEM 100	O ₂ deficiency monitor, 0 to 25%
	Panel-mount
	Audible and visual alarms
MGT3	Intrinsically safe fixed gas detector
	ATEX certification
	For O ₂ deficiency, flammable, corrosive, and toxic gases
MGT10A/10B	Explosion/flameproof fixed gas detector
	ATEX and IECEx certification
	For O ₂ deficiency, flammable, corrosive, and toxic gases
SCA	Single-channel wall-mounted control panel
	Integral sensor with local display and alarms
	For O ₂ deficiency, CO ₂ , and toxic gases
MCA	Multi-channel wall mounted control panel
	Audible and visual alarms
	3 control relays per channel

High purity gas monitors

For trace and percent oxygen measurement

Compact series

- Electrochemical (EC) and zirconium oxide (ZR) sensor technologies

1100	0 to 100% EC250 (T ₉₀ < 20 seconds)
1100	0 to 25% EC400/500/510 (T ₉₀ < 15 seconds)
3100	0.1 ppm to 100% ZR100 (T ₉₀ < 5 seconds)
4100	50 ppb to 100% ZR100 (T ₉₀ < 5 seconds)
5100	0 to 100% ZR500 (T ₉₀ < 15 seconds)
7100	0 to 1000 ppm ZR400 (T ₉₀ < 10 seconds)

Portable/benchtop series

- Zirconium oxide (ZR) sensor technologies

OA-1	0.1 ppm to 100% ZR100 (T ₉₀ < 5 seconds) For positive sample pressures
OA-1S+	75 ppb to 100% ZR100(T ₉₀ < 5 seconds) For positive sample pressures
PURE N ₂	0.1 ppm to 100% ZR100 (T ₉₀ < 5 seconds) Includes high purity sample pump
7100P	0 to 1000 ppm ZR400 (T ₉₀ < 10 seconds) Includes high purity sample pump



**Neutronics
Gas Analysis Solutions**
456 Creamery Way
Exton, PA 19341

Tel: 610.524.8800
Fax: 610.524.8807
Email: info@neutronicsinc.com

www.analyzegas.com

