

G3600/G3601

Inert Gas Oxygen Analyzing Systems



Real-time monitoring for
combustion prevention

Oxygen Analyzing Systems

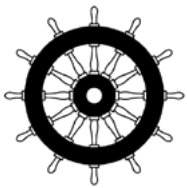
- the key to prevent combustion

Inert Gas Oxygen Analyzing Systems are essential in maritime operations for monitoring and preventing combustion, and safeguarding crew and cargo.

Designed for simplicity oxygen analyzers are central to maintaining safe oxygen levels onboard, simplifying safety protocols.

Customizable outputs are offered for both standalone and integrated uses, adaptable to various requirements. The G3600 provides a compact, cost-effective solution, while the G3601 adds redundancy for reliability, reducing the risk of costly downtime.

The systems are easy to install, and have low ownership costs, and user-replaceable consumables. Comprehensive service and support are offered for any assistance needed, from part replacement to retrofitting, guaranteeing optimal performance.



Certified under the European Marine Equipment Directive (MED), the G3600/G3601 Inert Gas Oxygen Analyzing Systems meet the requirements for MED/3.54a fixed oxygen analyzers.



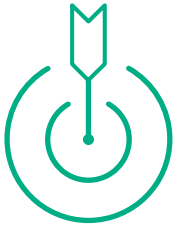
Why use Oxygen Analyzers?

Oxygen analyzers ensure precise and reliable monitoring in maritime environments, crucial for managing inert gases in void spaces to prevent combustion. Essential for ship safety, oxygen analyzers are key for tankers to demonstrate compliance with safety regulations during port operations.



How does the Inert Gas Oxygen Analyzing System work?

Each oxygen analyzer features a microprocessor with an intuitive menu for swift setup, designed for easy part replacement and calibration. Utilizing reliable zirconia sensor technology, oxygen analyzers ensure accuracy with minimal complexity.



Feature overview of Inert Gas Oxygen Analyzing Systems

Strategic advantages

- Real-time monitoring for preventing combustion
- Low cost of ownership with global service and support
- Certified under MED
- Simplifying safety protocols
- Protecting cargo, ship, and crew

Operational advantages

- Simple installation, operation, and maintenance
- Simple calibration by crew
- Automatic artificial calibration
- Configurable measuring range and signal outputs
- Graphic display – interface via touch screen
- Reliable zirconia sensor technolog

Deliberately crafted for the harsh maritime environment, the oxygen analyzers draw from direct feedback and insights provided by our customers



Specifications - G3600/3601

ANALYZER

Power supply

Standard	110 – 230 VAC, 50/60 Hz
Ambient temperature	0 – 55 °C

Communication

Output signal	4 – 20 mA – range selectable Default: 0 – 25 %
Max load signal	600 Ω / 24 VDC

Measurement

Sensor technology	Zirconia type sensor
Measurement range	0 – 21 % O ₂
Repeatability	± 0.1 % of the measurement range
Accuracy	± 0.5 % of the measurement range
Response time	90 % of measuring scale in less than 45 sec. with sample flow rate of 0.8 l/min sample line of 1 meter

Material/enclosure

Enclosure	IP 67
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Dimensions/weight

Dimensions	170 x 200 x 90 mm
Weight	2.5 kg (without packaging)

BOARD SPECIFICATIONS

Sample specification	Pressure: 0.05 – 1 bar Flow: 2 – 8 l/min Temperature: 0 – 70 °C
Zero test gas	Max 10 bar - 1/8" BSP connection
Span test gas	Max 10 bar - 1/8" BSP connection
Sample manifold	3 ports - 1/8" BSP connection
G3600 single board	600 x 500 x 140 mm / weight: 12 kg (without water and packaging)
G3601 double board	610 x 790 x 140 mm / weight: 20 kg (without water and packaging)

OPTIONAL EQUIPMENT

Extension board	Expand a single board to a double board for redundancy
Digital flow switch	0.2 – 10 l/min
G36p Oxygen Analyzer	24 VDC – panel mounted
Filter	Pre-filter for sample gas

CERTIFICATES



Specifications subject to changes without notice

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