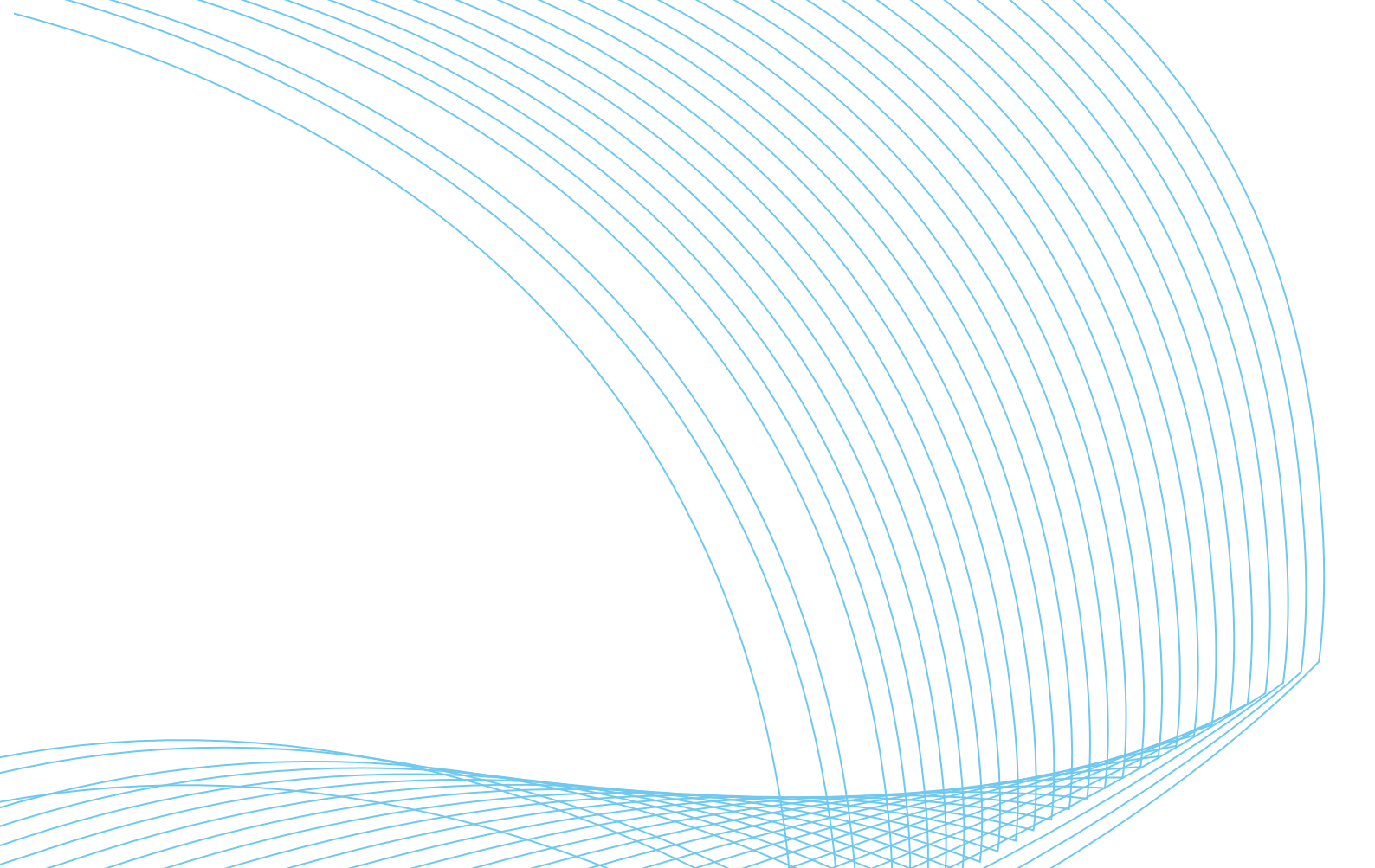




G3600 /3601 INERT GAS OXYGEN ANALYZER



M.E.D APPROVED



KEY FEATURES

- **Thousands of systems in operation**
- **Simple and well proven design**
- **Easy installation - Minimal footprint**
- **Inexpensive spare parts**
- **Simple artificial calibration (no test gas)**
- **Modular design for free level of redundancy**
- **Configurable measuring ranges & signal outputs**
- **Graphic display - interface via touch screen**

APPROVALS AND CERTIFICATES

- **Calibration certificate included**
- **MED Type approval**
- **DNV - GL Type approval**
- **Lloyd's Register Type approval**
- **BV product Type approval (option)**



ROBUST SYSTEM & RELIABLE MONITORING

The G3600/3601 Inert Gas Oxygen Analyzing System (IGOA) measures oxygen in inert gas. It is a user friendly and robust system for reliable oxygen measurement in safety critical applications.

The system consists of an oxygen analyzer, a sensor and a sampling board.

The G36 oxygen analyzer provides accurate and real time measurement and is very simple to operate.

The sensor is a zirconia type, which is suitable for the harsh and stressful maritime environment. It is cost effective and reliable.

The sampling board handles up to 3 sample inputs. The flow control valve and the bubble glass allows the user to control the sample flow, securing sufficient flow and constant sample pressure at the sensor.

EASY OPERATION

The IGOA is designed for easy replacement of parts. The system has artificial calibration as option, allowing the user to calibrate the system only with instrument air.

COST EFFECTIVE REDUNDANCY



COST EFFECTIVE REDUNDANCY & VERSATILITY

IGOA systems are a critical part of the vessels safety system. Ship owners are able to choose the highest level of redundancy by installing 2 single boards, while an economical level of redundancy can be obtained by a double board which consists of a single and an extension board.

The extension board includes an analyzer, a sensor and a selector box. If one sensor or analyzer fails, just switch to the other within seconds.

PANEL MOUNTED OXYGEN ANALYZER

Both the G3600 single board and the G3601 double board can be delivered with option for the G36p Oxygen Analyzer which is designed for panel mounting. It is used where an existing panel mounted oxygen analyzer is to be replaced.

OPTIONAL SAMPLE FLOW CONTROL

The G36 Oxygen Analyzers allow the integration of additional types of sensors for customizing the G3600 Oxygen Analyzing system for your needs. For example, it is possible to add a flow sensor to monitor the flow of the inert gas sample.



G3601 double board

SPECIFICATIONS - G3600/3601 IGOA

BOARD SPECIFICATIONS

Sample specification	Pressure: 0.05 to 1 bar - Flow: 2 - 8 l/min - Temperature: 0 °C to 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	HxWxD: 60x50x14 cm - Weight: 12kg without water & packaging
G3601 double board	HxWxD: 61x79x14 cm - Weight: 20kg without water & packaging

OXYGEN ANALYZER & SENSOR

Sensor technology	Heated zirconia type sensor
Measuring range	0.0 - 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/m sample line of 1m
Power supply	100 - 230 VAC/50 - 60 Hz
Output signal	Active 4...20 mA range selectable - default 0.0...25.0 %
Analog signal	600 Ω/24 VDC
Ambient temperature	0 - 55 °C
Dimensions/weight	HxWxD:170x200x90 mm/2.5 kg without packaging
Enclosure type	Aluminum casing, IP67

OPTIONAL EQUIPMENT

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

Specifications subject to changes without notice

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