

Standby Oxygen Analyzer for Inert Gas System

For vessels with inert gas system onboard, it is recommended to have another functional oxygen analyzer onboard for switchover purpose. Take it as a standby or replacement*, to be activated when the existing oxygen analyzer breakdowns.

GIA's offered Oxygen Analyzer is designed specifically for the harsh and stressful marine environment using an extra robust enclosure of IP67. It is used for accurate inert gas monitoring and control, via microprocessor-based analyzer and Zirconia cell probe that is developed through a reliable and rugged technique.

Replacement of the Zirconia Cell can be done in *less than 5 minutes* as it uses a plug and play method without the need to perform

any complex procedures. The Analyzer is type approved by DNV under the EU Marine Equipment Directive as well as other major class society like BV and Lloyd's Register.

Most importantly, the price of a new system from GIA is a fraction of the cost of repairing your existing Oxygen Analyzer and the parts are available worldwide.

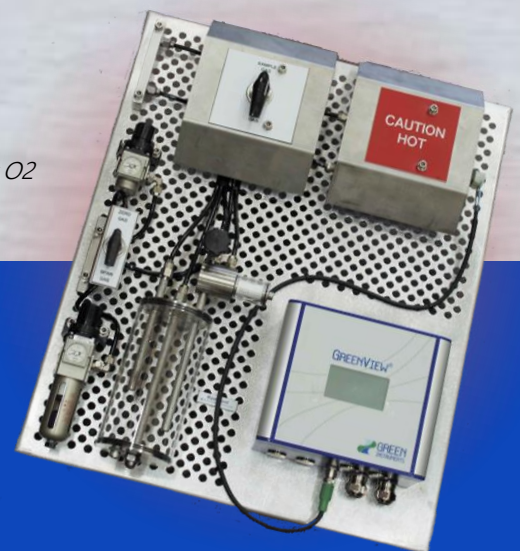
Key Features

- Compatible with most inert gas system
- Equipped with changeover switch
- User-friendly and easy installation
- Redundancy to your current Oxygen Analyzer
- Superior performance and reliability
- Sensor with high stability and able to sustain high temperatures
- Trend graph display
- Inexpensive and easy to replace parts
- Easy software upgrading via SD-card

*Under IMT (ExxonMobil) vetting requirement: "J.6: it is Strongly Preferred that a stand-by O2 analyzer is fitted to serve as a back-up means in case of failure of the main O2 analyzer."

STANDBY OXYGEN ANALYSER

FOR INERT GAS SYSTEM, GENERATOR, N2 SYSTEM



Purchase Options



Option 1 (Conversion)

Only the main components mentioned below will be replaced while other existing items such as bubble glass as well as calibration panel can be reused.

Package includes the following:

1. G36i Oxygen Analyzer Unit (AN36N)
2. Oxygen Sensor "Zirconia Sensor" (AN19N)
3. Oxygen Sensor Cable (AN35N)
4. Oxygen Sensor Housing, Fitting & Tubing



Option 2 (Complete Set)

The complete Oxygen Analyzer System including calibration panel; suitable for vessels required to fulfil ExxonMobil's vetting requirements* as it can be installed as a back-up unit with inter-switch function.

Package includes the following:

1. G36i Oxygen Analyzer Unit (AN36N)
2. Oxygen Sensor "Zirconia Sensor" (AN19N)
3. Oxygen Sensor Cable (AN35N)
4. Four Way Selector Valve (AN15N)
5. Regulator for Span Gas
6. Regulator for Zero Gas
7. Panel Plate
8. Bubble Unit c/w Filter Housing
9. Plastic Knob: 1/8" MBSPT
10. Sensor Housing
11. Sensor Housing Cover
12. Filter Element
13. Oxygen Panel Description Tag

Note to Ship-owners:

- Both Options will require attendance of GIA Service Engineer to ensure full system functionality
- Installation can be completed within a day

Specifications

Certificates & Approvals	MED by DNV – BV, DNV, and Lloyd’s Register Type Approval
Sensor	Heated Zirconia Sensor
Measurement Range	0.0 ... 21.0% O ₂
Repeatability	+/- 0.1 % of the measurement range
Accuracy	+/- 0.5 % of the measurement range
Response Time	90% of F.S. in less than 10 sec. at sample flow 21/min
Power Supply	100...230 VAC / 50...60 Hz
Output Signal	2 × 4...20 Ma – range selectable, default: A-out1: 0.0...25.0 % O ₂ / A-out2. Not in use
Max. Load	600 ohm / 24 VDC
Alarm Functions	O ₂ low or high – O ₂ high-high – System fail
Alarm Relays	4 relays used for different functions, volt free, 24 V AC/DC, 5 A
Interface	Touch screen 71 x 39 mm with trend graph display
Ambient Temperature	0°C to 55°C
Dimensions (Analyzer only)	170 × 200 × 80 mm (H×W×D); Cable glands at bottom
Enclosure	IP67
Datalog	History and alarm logs on SD cards
Pressure Compensation	Optional

Reference

Major Tanker Customers with G36 O₂ Analyser System

• Hellespont Ship Management GmbH & Co. KG • Executive Ship Management • SCF Unicom Singapore Pte Ltd • ISHIMA Pte Ltd • Teekay Corporation - Hamburg, Germany, Stavanger, Norway, Vancouver, Canada & Singapore • International Tanker Management - Hamburg, Germany, Mumbai, India & Singapore • Bernhard Schulte Shipmanagement Pte. Ltd. - Limassol, Cypres & Singapore • A P Møller - Maersk A/S - Copenhagen, Denmark • Clipper Marine Services A/S - Copenhagen, Denmark • EMS Ship Management/Tesma - Copenhagen, Denmark • Odfjell Management AS - Bergen, Norway • Northern Marine Management GmbH & Co. KG - Hamburg, Germany • and many others

Contact Us

Our mailing address:

18 Boon Lay Way, #08-101, TradeHub21, Singapore 609966

Our contact information:

(E): igssales@giaearth.com (T): +65 6316 8595 (W): www.giaearth.com

