

G3631

# Ambient Oxygen Analyzer



## Customizable and reliable technology

The oxygen analyzer is customizable and designed for accurate and reliable oxygen measurements in marine environments. The purpose of the G3631 Ambient Oxygen Analyzer is to prevent hazardous atmospheres. The microprocessor-based analyzer with a simple menu structure ensures a quick set-up procedure. The oxygen analyzer uses a zirconia sensor cell, which is based on reliable and well-proven sensor technology.

## Monitor oxygen levels in open spaces

The G3631 Ambient Oxygen Analyzer meets the requirements of being a fixed oxygen analysis detection system. It is designed to measure the content of oxygen in the atmosphere in areas that are not necessarily accessed by the crew on a daily basis, or which lack proper ventilation. These areas include rooms for inert gas systems or nitrogen generator systems and server rooms. If crew members enter such areas without

precautions and there is a lack of oxygen, it may lead to personal injury or unconsciousness.

## Audio alarm option

The G3631 Ambient Oxygen Analyzer is available with an audio alarm. The analyzer measures the content of oxygen with concentrations up to 21.0 %. If oxygen levels drop below the alarm level, the audio alarm activates, helping the crew avoid life-threatening situations.

## Service and support

The G3631 Ambient Oxygen Analyzer is simple to install and has a minimal footprint. It only requires occasional cleaning using a soft damp cloth on the touch screen or a clean cloth to remove any soiling on the analyzer. Apart from the zirconia sensor, it has no consumable parts. This ensures minimal maintenance and low cost of ownership. Should assistance be needed with the replacement of the sensor, Green Instruments provides full service and support to ensure optimal operation throughout the entire product lifetime.



## Key features

- Protects people, the environment, and assets
- Reliable sensor technology
- Simple artificial calibration
- Audio alarm option
- Configurable alarm relays
- Low cost of ownership – minimal consumable parts
- Simple installation – minimal footprint
- Global service and support

# Specifications – G3631

## Power supply

Standard	24 VDC
Power consumption	40 VA per analyzer
Ambient temperature	0 - 55 °C

## Material/enclosure

Digital display	71 x 39 mm touch screen with trend graph display
Analyzer type	G36p Oxygen Analyzer – panel mounted
Sensor technology	Zirconia type sensor

## Measurement

Measurement range	0 – 21 % O <sub>2</sub>
Repeatability	± 0.1 % of the measurement range
Accuracy	± 0.5 % of the measurement range
Ambient humidity	20 % – 90 % R.H.

## Communication

Output signal	4 – 20 mA – range selectable Default: 0 – 25 % O <sub>2</sub>
Max load signal	600 Ω / 24 VDC
Alarm relays	4 relays, volt free, 24 VAC/DC, 5 A for O <sub>2</sub> low or high; O <sub>2</sub> high-high; systems fail
Alarm functions	Low O <sub>2</sub> level – freely configurable High O <sub>2</sub> level – freely configurable System failure alarm

## Dimensions/weight

Dimensions	240 x 240 x 105 mm
Weight	4.0 kg without packaging

Specifications subject to changes without notice

## CERTIFICATES



## EUROPE

### Green Instruments A/S

Erhvervsparken 29  
9700 Brønderslev, Denmark  
Tel: +45 96 45 45 00

[sales@greeninstruments.com](mailto:sales@greeninstruments.com)

## AMERICA

### Green Instruments USA, Inc.

6750 N. Andrews Avenue Suit 200  
Fort Lauderdale, FL-33309, USA  
Tel: +1 954 613 0400

[usa@greeninstruments.com](mailto:usa@greeninstruments.com)

## ASIA

### Green Instruments (S) Pte. Ltd.

4008 Ang Mo Kio Avenue 10  
#01-09/10 Techplace I, Singapore 569625  
Tel: +65 3100 0577

[sales.sg@greeninstruments.com](mailto:sales.sg@greeninstruments.com)



For more information, please visit us at [www.greeninstruments.com](http://www.greeninstruments.com).