G3631 AMBIENT OXYGEN ANALYZER

MONITOR O$_2$ IN OPEN SPACE

The ambient oxygen analyzer is designed to measure the content of oxygen in the atmosphere of the oxygen controlled areas such as inert gas rooms, engine room compartments, rooms for inert gas system, server rooms, or simulated altitude training rooms. The analyzer measures the content of oxygen with concentrations up to 21.0 %.
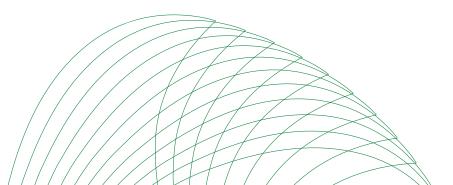
MED TYPE APPROVAL

The system uses a zirconia sensor. Zirconium dioxide sensors have long been established as industry standards, but the G3631 uses a new type of zirconia sensor, which can be used in a wide range of applications.

The G3631 Ambient Oxygen Analyzer has both CE Marking and MED Marking. The MED approval is according to the requirements for a fixed oxygen analysis and gas detection equipment (item no.A. 1/3.54).

KEY FEATURES

- Free configurable alarm relays
- One alarm connected to a buzzer 80 dB (optional)
- Simple installation
- Reliable with high accuracy
- Easy calibration using ambient air
- Low maintenance
- CE marking
- MED marking
- DNV-GL Type Approval

SPECIFICATIONS

Analyzer type	G36p Oxygen Analyzer – panel mounted
Sensor type	Zirconia sensor type SEN9
Measurement range	0.0 % - 21.0 % O2
Ambient temperature	0 °C - 55 °C
Ambient humidity	20 %...90% R.H.
Ambient pressure	Constant at barometric pressure at sea level
Alarm functions	Low low O2 level – preset at 13 % vol - freely configurable -connected to a buzzer. Low O2 level – freely configurable. High O2 level – freely configurable. System failure alarm.
Power supply	24 VDC
Power consumption	40 VA per analyzer
Digital display	Touch screen 71 x 39 mm
Output signals	Active 4...20 mA – range selectable – default 0.0...25.0 %
Load output (max.)	600 ohm / 24 VDC
Relays	4 relays, volt free, 24 V AC/DC, 5A
Repeatability	+/− 0.1 % of the full scale
Linearity/Accuracy	+/− 0.5 % of the full scale
Drift (one month)	+/− 0.1 % of the full scale
Dimensions	240 × 240 × 105 mm (H×W×D)
Weight	4.0 kg without packaging

Specifications subject to changes without notice.