

OMD-625 PPM Oxygen Analyzer



Designed for the Natural Gas Industry

Class 1, Div 1 Groups B,C,D

Full Scale Range as low as 0 - 1ppm

Precision Fuel Cell Oxygen Sensor Technology

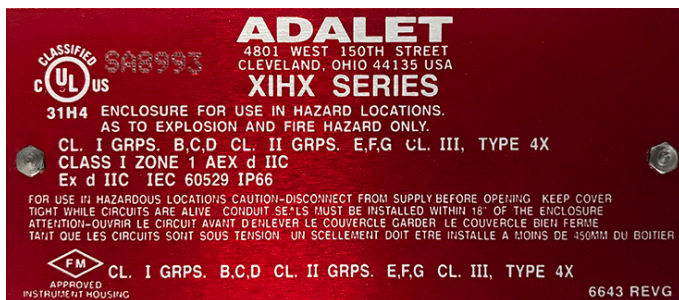
Large Backlight Display w/ Auto-Range

Measure Oxygen from 0.01ppm to 25%

Intuitive User Friendly Interface

Cost Effective and Low Maintenance

2 Fully Configurable Alarm Relay Contacts



Optional Configurations:

- Customizable Measurement Ranges
- Sample Conditioning Systems
- Bi-Directional RS485 Modbus (Pending)
- Heated Enclosure

Applications:

- Natural Gas Extraction & Pipelines
- Natural Gas Processing
- Acid (CO2) Gas Streams
- Inert, Hydrocarbon, Hydrogen Processing
- And Many Other Industrial Applications

Specifications:

Accuracy:	< +/-1% Full Scale Range* < +/- 5% (0 - 1ppm range)*
Alarms:	2 Configurable Relay Contacts
Analyzer Range:	0 - 1/10/100/1000ppm/25%
Approval:	CE (Pending) CSA International (Pending)
Area Classification:	Class 1, Div 1, Groups B,C,D
Dimensions:	15.25" x 12.5" x 5.25"
Flow:	0.1 - 5.0 SCFH
Gas Connections:	1/4" Swagelok Tube Fittings
Output:	Isolated 4 - 20mA
Power:	12 - 24 VDC
Pressure	0.1 - 50 PSIG Inlet, vent to atm
Response Time:	T90 in 10 Seconds
Sample System:	Optional
Sensor:	Precision Fuel Cell
Temperature:	-10 to 50 deg C
Warranty Sensor:	12 Months
Warranty Electronics:	12 Months
Weight:	18.5 lbs

*Accuracy at constant conditions

"Inquiry for Application Expertise"



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Oxygen Analyzer:

The model OMD-625 oxygen analyzer combines a rugged design with SSO2's precision oxygen sensors. The result is a highly reliable and cost effective compact design with easy-to-use user interface designed specifically for the Natural Gas Industry.

The oxygen analyzer is designed to meet CSA / UL standards for Class 1, Div 1, Groups B,C,D installation - certification is pending at this time.

The oxygen analyzer is isolated both on the power input and analog output. This eliminates most electronic gremlins seen with existing competitive equipment in the field.

Standard ranges include 0 - 1ppm, 0 - 10ppm, 0 - 100ppm, 0 - 1000ppm, 0 - 25%.

Gas connections are made with 1/4" Swagelok tube fittings.

Power Requirements:

Input Power: 12 - 24 V DC
Current Draw: 50 mA

Oxygen Sensor Technology:

The oxygen sensor used in the OMD-625 is based on the galvanic electrochemical fuel cell principal. All oxygen sensors are manufactured in house by Southland Sensing Ltd. under a strict quality program.

The standard cells are unaffected by other background gases such as H₂, He or Hydrocarbons. The acidic cells work well when acid gases such as CO₂ or Natural Gas are present.

The sensors are self-contained and minimal maintenance is required - no need to clean electrodes or add electrolyte.

The SSO2 precision oxygen sensors offer excellent performance, accuracy and stability while maximizing the expected life.

Oxygen Sensors:

TO2-133 PPM Oxygen Sensor: Trace Analysis, Standard
TO2-233 PPM Oxygen Sensor: Trace Analysis, Acidic

Oxygen sensors should be periodically calibrated. Factory recommendation is every 2 - 3 months or as the application dictates. Sensors offer excellent linearity with an air calibration, or calibrate to a certified span gas to maximize accuracy.

Order Information:

Record Part Number with selected options in Blank Indicated Area of Form

Model Number:

OMD-625 Oxygen Analyzer

Selected Range & Sensor:

- 1 Trace Analysis Standard (TO2-133): 0 - 1ppm, 0 - 10ppm, 0 - 100ppm, 0 - 1000ppm, 0 - 25%
- 2 Trace Analysis Acidic (TO2-233): 0 - 1ppm, 0 - 10ppm, 0 - 100ppm, 0 - 1000ppm, 0 - 25%

Electronics Package:

- 2 12 - 12V DC Input Power

Gas Connections:

- 4 1/4" Swagelok Tube Fittings

OMD-625 - _____ - _____ - _____ Use This Part Number When Ordering



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