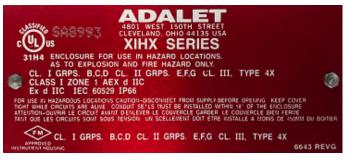
Hazardous Area Online Process Oxygen Analyzer w/Sample System





Optional Configurations:

- Sample System Add-On Components
- Bi-Directional RS485 Modbus RTU
- Extreme Weather Packaging w/ Heater

Applications:

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

"Inquiry for Application Expertise"

Designed for the Natural Gas Industry

Class 1, Div 1 Groups B, C, D

Custom Full Scale Range (i.e. 0 - 99.5 ppm)

Precision Fuel Cell Oxygen Sensor Technology

Large Backlight Display

Ability to Calibrate Analog Output

Measure Oxygen from 0.01ppm to 25%

Intuitive User Friendly Interface

Cost Effective and Low Maintenance

2 Configurable Alarm Relay Contacts

Output Sim (4mA, 8mA, 12mA, 16mA and 20mA)

Specifications:

Accuracy:	< +/-1% Full Scale Range*
Alarms:	2 Configurable Relay Contacts
Analyzer Range:	0 - 10/100/1000/10000ppm/25%
Optional Range 1:	0 - 1%,/5%/10%/25%/100%
Area Classification:	Class 1, Div 1, Groups B,C,D
Sensor Enclosure Certification:	ATEX Ex d IIC
Dimensions:	15.25″ x 12.5″ x 5.25″
Flow:	0.25 - 5.0 SCFH
Gas Connections:	1/4" Compression Tube
Output:	Isolated 4 - 20mA or 1 - 5 VDC
Power:	12 - 24 VDC
Pressure	0.1 - 50 PSIG Inlet, vent to atm
Response Time:	T90 in 10 Seconds
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

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OMD-625 Oxygen Analyzer

Product Specifications

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 standards for Class 1, Div 1, Groups B, C, D installation.

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 - 10ppm, 0 - 100ppm, 0 - 1000ppm, 0 - 25%.

Optional Percent Analysis Ranges: 0 - 1%, 0 - 5%, 0 - 10%, 0 - 25%, 0 - 100%.

Custom Range: The unit comes with the ability to customize a 6th range (i.e. 0 - 94.0 ppm).

Standard Power Requirements:

Input Power:	12 - 24 V DC
Current Draw:	50 mA
*	* Optional power input choices available

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. H2S resistant sensors are available for sour gas streams with <500 PPM H2S.

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 TO2-238 PPM Oxygen Sensor: Trace Analysis, < 500PPM H2S PO2-160 Percent Oxygen Sensor: Percent Analysis, Standard PO2-24 Percent Oxygen Sensor: Percent Analysis, Acidic PO2-238 Percent Oxygen Sensor: Percent Analysis, <500 PPM H2S

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.

OMD	del Number: D-625 Oxygen Analyzer D-625D Oxygen Analyzer (Delete Sample System, 1/8" Compression Tube Gas Inlets)
	Selected Range & Sensor: 3T Trace Analysis Standard (TO2-133): 0 - 10ppm, 0 - 100ppm, 0 - 1000ppm, 0 - 10000 PPM 0 - 2 4T Trace Analysis Standard (TO2-233): 0 - 10ppm, 0 - 100ppm, 0 - 1000ppm, 0 - 10000 PPM 0 - 2 5T Trace Analysis < 500 PPM H2S (TO2-238): 0 - 10ppm, 0 - 100ppm, 0 - 1000ppm, 0 - 10000 PPM 0 - 2 5P Percent Analysis Standard (PO2-160): 0 - 1%, 0 - 5%, 0 - 10%, 0 - 25%, 0 - 100% 6P Percent Analysis Standard (PO2-24): 0 - 1%, 0 - 5%, 0 - 10%, 0 - 25%, 0 - 100% 7P Percent Analysis <500 PPM H2S (PO2-238): 0 - 1%, 0 - 5%, 0 - 10%, 0 - 25%, 0 - 100% 6P Percent Analysis Standard (PO2-24): 0 - 1%, 0 - 5%, 0 - 10%, 0 - 25%, 0 - 100% 7P Percent Analysis <500 PPM H2S (PO2-238): 0 - 1%, 0 - 5%, 0 - 10%, 0 - 25%, 0 - 100%
	Electronics Package:212 - 24V DC 2-wire Loop (delete backlight, delete alarm relay contacts)412 - 24V DC 4-wire Input Power7100 - 240V AC Input PowerM12 - 24V DC Input Power w/ Bi-Directional MODBUS RS485 RTU
	Gas Connections: 4 1/4" Compression Tube Fittings 6 6mm Compression Tube Fittings 8 1/8" Compression Tube Fittings

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