MEASURE. ANALYZE. CONTROL.

Online PPM or Percent Oxygen Analyzer Fully Configurable



Trace, Percent or Purity Configuration Precision Fuel Cell Oxygen Sensor Technology Measure Oxygen from 0.1ppm to 100% Intuitive User Friendly Interface Cost Effective and Low Maintenance

Applications:

CE

- Inert Glove Box Systems & 3D Printers
- N2, O2, H2 Inert Gas Generators
- Laboratories & Universities
- Steel & Other Metals Processing
- Reflow Soldering
- And Many Other Industrial Applications

"Inquiry for Application Expertise"



Optional Electronic Configurations:

2-wire loop powered 4 - 20mA Transmitter 3-wire loop powered, isolated 4-20mA Transmitter 6-wire Transmitter, 4 - 20mA and 0 - 10VDC Output Intrinsically Safe Option for Class 1, Div 2 Areas "Smart" xmitter with Bi-Directional RS485 MODBUS

Specifications:

< 1% Full Scale Range*
CE Marked
6.3" x 3.5" x 2.5"
Aluminum Top & SS Housing
0 - 50 deg C
Integral
In-Line, Swagelok Fittings
0.5 - 5.0 SCFH
Precision Fuel Cell
12 Months Sensor
12 Months Electronics
1.7 lbs

*Accuracy at constant conditions

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Oxygen Analyzer:

The model OMD-507 oxygen analyzer combines a rugged in-line design with SSO2's precision oxygen sensors. The result is a highly reliable and cost effective compact design with easy-to-use user interface.

The analyzer comes in 4 different packages for maximum installation considerations. These include 2-wire, 3-wire with an isolated 4-20 mA output, 6-wire, 6-wire with RS485 Bi-Directional Modbus AS-CII, and an intrinsically safe option without requiring a Zener barrier.

The analyzer can be configured for 3 ranges, trace (parts-per-million), percent, and purity.

The display of the analyzer with its large font is set to auto-range, this allows the user to read O2 throughout all ranges. The output can be range selected through the on board menu allowing easy interface with a PLC, DCS or other control system.

Gas connections are made with compression tube fittings or a direct fit KF-40 Housing.

Power Requirements:

Input Power:	12 - 24 V DC
Current Draw:	25 mA

Oxygen Sensor Technology:

The oxygen sensor used in the OMD-507 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.

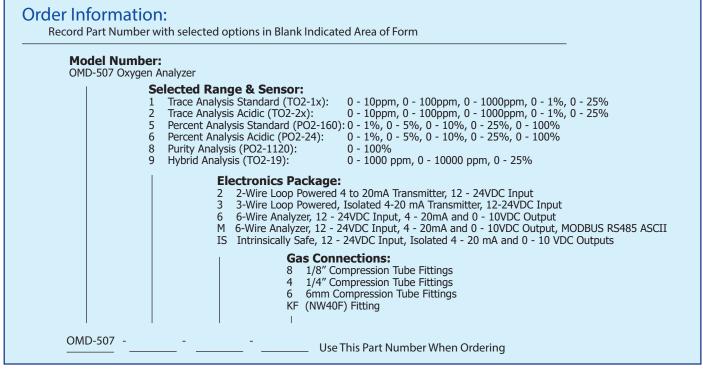
The sensors are self-contained and minimal maintenance is required - no need to clean electrodes or add electrolyte.

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

Oxygen Sensors:

TO2-1x PPM Oxygen Sensor: Trace Analysis, Standard TO2-2x PPM Oxygen Sensor: Trace Analysis, Acidic PO2-160 Percent Oxygen Sensor: Percent Analysis, Standard PO2-24 Percent Oxygen Sensor: Percent Analysis, Acidic PO2-1120 Purity Oxygen Sensor: Purity Analysis TO2-19 Hybrid Oxygen Sensor: Percent or Trace Analysis

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.



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