SOUTHLAND SENSING

MEASURE, ANALYZE, CONTROL.

Online Oxygen Analyzer, 1/4 DIN Package, Remote Sensor Housing



Precision Electrochemical Sensor Technology Intuitive User-Friendly Interface Trace, Percent, or Purity Analysis Ranges Auto-Ranging or Manual Range Mode Two Adjustable Alarm Contacts w/ delay mode 1/4 DIN Panel Mount Compact Design Measure Oxygen from 0.01ppm to 100%

Specifications:

| Accuracy: | +/- 1% Full Scale Range* |
|---------------------------|--------------------------------------|
| Display: | LCD with Backlight |
| Dimensions: | 1/4 DIN (96 x 96 x 65mm) |
| Enclosure: | Anodized Aluminum |
| Classification: | General Purpose |
| Temperature Rating: | 0 - 50 deg C |
| Temperature Compensation: | Integral |
| Alarms: | 2 Adjustable w/ delay mode |
| Power: | 10 - 28 VDC or 100 - 240 VAC |
| Output (Analog): | 4 - 20mA |
| Communication: | Bi-Directional MODBUS RS485 ASCII |
| Range ID: | 1 - 5 VDC (Optional 4 -20mA) |
| Response time: | T90 in 7 Seconds |
| Sensor: | Configurable |
| Sensor Type: | Precision Electrochemical |
| Calibration: | Periodically |
| Temperature Compensation: | Integral |
| Flow Sensitivity: | 0.5 - 5 SCFH |
| Pressure: | 0.1 - 50 PSIG |
| Warranty: | 12 Months Sensor |
| | 12 Months Electronics |
| | |

*Accuracy at constant conditions



CE

H6 KF-40 **Sensor Housing**

Applications:

- Inert Glove Box Systems
- Nitrogen and O2 PSA Generators
- Laboratories & Universities •
- Medical Grade Oxygen Concentrators
- Air Separation Plants • & Many Others

"Inquiry for Application Expertise"

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Designed, Tested, and Assembled in California, USA 4045 E. Guasti Rd. #203 Ontario, CA 91761 USA : 1-949-398-2879 : sales@sso2.com : www.sso2.com

Oxygen Sensor

SOUTHLAND SENSING

4045 E. Guasti Rd. #20

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EASURE, ANALYZE,

H3 Flow Through Sensor Housing

Oxygen Analyzer:

The model OMD-501X 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.

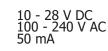
Trace ranges include 0 - 10 ppm, 0 - 100 ppm, 0 - 1000ppm, 0-10000ppm and 0-25%. Percent ranges include 0 - 1%, 0 - 5%, 0 - 10%, 0 - 25%, and 0 - 100%. The analyzer can be configured for trace (parts-per-million), percent, and purity applications by the user by selecting which sensor is in use in the built-in menu.

The analog output can be manual range selected through the on board menu or the user can take advantage of the auto-range feature using the RANGE ID output 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: Input Power: Current Draw:



Oxygen Sensor Technology:

The oxygen sensors used in the OMD-501X are 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.

