SOUTHLAND SENSING
MEASURE. ANALYZE. CONTROL.

OMD-351-O2 Ambient Air Monitor

Product Specification Sheet

Online Oxygen Monitor with Alarms & Battery Backup

The OMD-351-O2 Ambient Air Monitor is designed to measure and assure the appropriate levels of both oxygen in an enclosed or confined area. Personnel safety is a primary issue in nearly every industry and is magnified within confined spaces where oxygen depletion or asphyxiation due to a leak in an inert gas container can quickly and unexpectedly take place.

The OMD-351-O2 is designed with an easy to use interface with features that are optimized for safety and mitigate the dangers of confined spaces and oxygen deficiency. The analyzer comes with 2 pre-configured oxygen concentration alarms that match the OSHA recommendations of 19.5% and 20.0%. Alarm functionality comes in the form of 2 fully adjustable, form C non-latching, relay contacts, an integral audible buzzer and local LEDs' loaded into the front of the unit. The unit also has a built in POWER FAIL relay contact.

The unit comes standard with an integral battery backup which helps accentuate "brown out" conditions. With this standard feature, power outages will not interfere with a properly working monitor. The standby power source uses a rechargeable lead acid battery.

The oxygen sensor used in the OMD-351-O2 is based on the galvanic electrochemical fuel cell principal. The sensors are self-contained and minimal maintenance is required - no need to clean electrodes or add electrolyte.

- 0 - 30% O2 Concentration Range
- Precision Electrochemical Sensor Technology
- Barometric Pressure Compensation
- Two Concentration Relay Contact Alarms
- Power Failure Alarm Relay Contact
- Integral Audible Buzzer Alarm
- Integrated Rechargeable Battery Backup
- Integral Visual Alarm LEDs

Specifications

Accuracy:	< +/- 1% of Full Scale Range*
Alarms:	(2) Adjustable Relay Contacts
	(1) Power Fail Relay Contact
Analysis Range:	0 - 30% O2
Audible Alarm:	Integral
Barometric Pressure Compensation:	Integral
Battery Backup:	Rechargeable
Calibration:	Periodically
Dimensions:	9.5x 6.5 x 3.8 inch
Display:	Large with Backlight
Enclosure:	Painted Aluminum
Output (Analog):	4 - 20mA (1 each O2 / CO2)
Power:	100 - 240 VAC
Response Time:	T90 in 10 Seconds
Sensor:	PO2-AMB, CO2-AMB
Sensor Life:	60 Months (Approximately)
Temperature:	0 - 50 deg C
Temperature Compensation:	Integral
Visual Alarms:	Panel Mounted LED's
Warranty:	12 months Analyzer & Sensor
Weight:	13.0 lbs

*Accuracy at constant conditions

Optional Configurations:

- 24V DC Input Power
- Remote Oxygen Sensor (OMD-351-O2-Remote)
- O2 / CO2 DualAmbient Air Monitor (OMD-351-O2-CO2)

Rev 1.02 June 9th, 2022_DF

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