

Portable Purity Oxygen Analyzer with USB Data Logging & Sample System



0/50/70/80/90 - 100% Suppressed Ranges

Large Backlit Display w/ User Friendly Menu

Advanced Digital Temperature Compensation

Continuous Analysis during Charging

Data Log via Removable USB Flash Drive

Electrochemical Sensor Technology

The OMD-740 oxygen analyzer combines a rugged portable design with SSO2's precision oxygen sensors. The analyzer also has built in temperature and barometric pressure compensation; the result is a highly reliable and cost-effective design with easy-to-use interface.

The analyzer comes standard with a 0 – 100% full scale range with a resolution of 0.01%. The analyzer can also be configured by the end user in the field for suppressed ranges of 50 – 100%, 70 - 100%, 80 – 100% and 90 – 100%. A removable USB flash drive for data logging via .CSV (Excel) file format. With an 8GB USB Flash Drive, you can data log for 1-minute intervals for about 50 years before running out of storage. The advanced set of electronic features and flexibility to easily access data allows this analyzer to be unmatched in the market.

The display of the analyzer is designed to be used in direct sunlight. No need to bring a shade or other method to see the screen.

The oxygen sensor used in the OMD-740 is based on the galvanic electrochemical fuel cell principal and is compensated for both pressure and temperature giving the user added accuracy. All oxygen sensors are manufactured in house by Southland Sensing Ltd. under a strict quality program.

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

Applications

Air Liquefaction and Separation

Gas Purity Certification

Oxygen Monitoring of Medical Gases

Ozone Generation PSA, VPSA

Measurement in Wastewater Treatment Plants

Optional Accessories

CC Carrying case with custom foam insert

CF Coalescing filter with 0.1u filter

SP Integral sampling pump

REG Pressure Regulator

HT High Temp Probe

Specifications

Accuracy:	< +/- 1% of Full Scale Range*
Calibration:	Periodically
Analyzer Range:	0/50/70/80/90-100%
Output:	0 - 1V DC
Data Logging:	Removable USB Flash Drive
Battery Indicator:	Integrated into Large Display
Power:	Rechargeable Lead Acid Battery 100 - 240 VAC Adapter
Display:	Large with Backlight
Dimensions:	10.9 x 10.0 x 4.9 inch
Enclosure:	Anodized Aluminum
Weight:	8.0 lbs
Pressure:	Inlet, 0.1 - 50 PSIG
Flow Rate:	0.5 - 5 SCFH
Temperature:	0 to 50° C
Temperature Compensation:	Integral
Sensor:	P02-1120 Oxygen Sensor
Response Time:	T90 in 13 Seconds
Gas Connections:	1/8" Compression Tube
Sample System:	Flow Control, Flow Indicator
Sensor Warranty:	12 months
Analyzer Warranty:	12 months

*Accuracy at constant conditions