

Portable Purity Oxygen Analyzer with USB Data Logging & Sample System



Specifications

Accuracy:	< +/- 1% of Full Scale Range*
Analysis Range:	0/50/80/90 - 100%
Battery Indicator:	Integrated into Large Display
Calibration:	Periodically
Data Logging:	Removable USB Flash Drive
Dimensions:	10.9 x 10.0 x 4.9 inch
Display:	Large with Backlight
Enclosure:	Brushed Stainless Steel
Flow Sensitivity:	0.5 - 5 SCFH
Gas Connections:	1/8" Compression Tube
Output (Analog):	0 - 1V DC
Power:	Rechargeable Battery 100 - 240 VAC AC Adapter
Pressure:	Inlet, 0 - 50 PSIG
Response Time:	T90 in 30 Seconds
Sample System:	Flow Control, Flow Indicator
Sensor:	PO2-1120 Percent O2 Sensor
Sensor Life:	20 - 25 months @ 100% O2
Temperature:	0 - 50 deg C
Temperature Compensation:	Integral
Warranty:	12 months analyzer & sensor
Weight:	11.75 lbs

*Accuracy at constant conditions

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

Large Backlit Display w/ User Friendly Menu

Advanced Digital Temperature Compensation

Integral Barometric Pressure 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%, 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

- ENC-740 Carrying case with foam insert
- CF-740 Coalescing filter with 0.1 u filter
- PP-740 Integral sampling pump