

Portable PPM Oxygen Analyzer with USB Data Logging



Specifications

Accuracy:	< +/- 1% of Full Scale Range*
Calibration:	Periodically
Analyzer Range:	0-10/100/1000/10000ppm/25%
Output:	0 - 1V DC
Data Logging:	Removable USB Flash Drive
Battery Indicator:	Integrated into Large Display
Power:	Rechargeable Battery 100 - 240 VAC AC Adapter
Display:	Large with Backlight
Dimensions:	12.0 x 6.0 x 5.0 inch
Enclosure:	Anodized Aluminum
Weight:	5.75 lbs
Pressure:	0.1 - 50 PSIG
Flow Rate:	0.5 - 5 SCFH
Temperature:	0 to 50° C
Temperature Compensation:	Integral
Sensor:	TO2-1x
Response Time:	T90 in 7 Seconds
Gas Connections:	Quick Disconnect
Sensor Warranty:	12 months
Electronics Warranty:	12 months

*Accuracy at constant conditions

0 - 10 PPM Low Range; 0 - 25% High Range

Large Backlit Display w/ User Friendly Menu

Data Log via Removable USB Flash Drive

Quick Disconnect Isolation Gas Fittings

Continuous Analysis During Charging

Electrochemical Sensor Technology

The OMD-560 oxygen analyzer combines a rugged portable design with SSO2's precision oxygen sensors. The result is a highly reliable and cost effective design with easy-to-use user interface.

The analyzer comes with a 0 - 10 PPM full scale low range. A removable USB flash drive for data logging via .CSV (Excel) file format. With an 8GB USB Flash Drive, you can data log at 1 minute intervals for about 50 years before running out of storage. The low full scale range 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-560 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 cell (TO2-1x) is unaffected by other background gases such as H₂, He or Hydrocarbons. The acidic cell (TO2-2x) works 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.

Applications

Pipeline leak detection

Spot Checking Air Separation & Liquification

Headspace Gas Analysis

Beverage Grade CO₂ Monitoring

Heat Treating & Bright Annealing

Inert Gas Welding of Exotic Materials

Optional Accessories

CC-560 Carrying case with foam insert

TO2-2x Oxygen Sensor (> 0.5% CO₂ present)