



Model 465L + O₂ Industrial Hygiene Ozone Analyzer with Oxygen Sensor

The Model 465L UV Photometric Ozone Monitor is an extremely stable analyzer, ideal for critical low-level ppm safety and process applications. Its calibration is NIST traceable and the included pressure and temperature compensation ensure high accuracy under all conditions. An integral micro fuel cell sensor provides accurate, continuous monitoring of O₂ and allows measuring of both gases in a single instrument.

The Model 465L + O₂ has been designed to deliver excellent performance, high reliability and simple operation. Operating parameters can be easily set up in the field using the operator-friendly menu driven software.

Built-in diagnostics provide warning signals in case operating parameters are out of range. Test values can be viewed while the Model 465L + O₂ is operating. These displays, warnings, and self-diagnostics, along with the modular design, allow maximum uptime. In addition, any function that can be set or monitored from the front panel can be remotely set or viewed through the bi-directional RS-232 port.

- ▶▶ O₃ and O₂ monitoring in a single wall mounted unit
- ▶▶ UV absorption ozone measurement with a 3 ppb LDL
- ▶▶ Maintenance-free, expendable micro fuel O₂ cell
- ▶▶ Programmable concentration alarms
- ▶▶ Programmable High and High-High alarm contacts
- ▶▶ Self-check warning alarms
- ▶▶ Temperature and pressure compensation (standard)
- ▶▶ Built-in diagnostics
- ▶▶ Menu driven software
- ▶▶ Fast response times
- ▶▶ Minimal zero drift
- ▶▶ Optional Ethernet
- ▶▶ One-year warranty

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Specifications

General

Temperature Range:	5 – 45°C
Sample Flow Rate:	800 cc/min
Relay Mode:	Latching/Non-latching (selectable)

Ozone

Measurement Principle:	UV Absorption
Ranges:	0-1 ppm to 0-500 ppm
Accuracy:	+/- 1% of full scale
Precision:	+/- 0.5% of full scale
Response Time:	< 30 seconds to 95%
Lower Detectable Limit:	3 ppb

Oxygen

Measurement Principle:	B-3 Class Micro-fuel Cell
Ranges:	0-100% oxygen
Accuracy:	+/- 2% of full scale, constant temperature and pressure
Precision:	+/- 1% of full scale
Response Time:	< 20 seconds to 90% at 25°C
Lower Detectable Limit:	0.5%

Electrical Specifications

Power Requirements:	100V-240V, 50/60 Hz
Analog Output Ranges:	0-5V or 4-20mA isolated output

Communication Specifications

High Current Relay Outputs:	Form C Dry Contact, 250VAC/5A (System OK, Global Hi Alarm, Global Hi-Hi Alarm)
Included I/O:	RS232 (MODBUS RTU)
Optional I/O:	RS485

Physical Specifications

Operating Temperature Range:	5 – 45°C
Dimensions (HxWxD):	16.01" x 15.6" x 6.90.2" (407 x 396 x 174 mm)
Weight:	15.4 lbs (7.0 kg)

Certifications

CE

How to Order

Model 465L + O₂ includes:

- One year warranty
- Internal pump
- Analog output
- Status output
- RS232 (MODBUS RTU)
- Ozone Destructor
- Select DC output voltage
 - 5V
 - 4-20mA
- Select ozone range
 - 0-1 ppm
 - 0-100 ppm
 - 0-5 ppm
 - 0-200 ppm
 - 0-10 ppm
 - 0-500 ppm
 - 0-50 ppm

Other Options:

- High Concentration Sensor (Above 20 ppm) only applicable to ozone
- Moisture Removal Sample Conditioning Option
- Electronic Flowmeter w/ Low Flow Alarm
- Stainless Steel Tags
- Pre-Filter Option
- Ethernet Option

Specifications subject to change without notice.
Printed documents are uncontrolled SAL000077A
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