



MODEL 465L+O₂

Industrial Hygiene Ozone Analyzer with Oxygen Sensor

- Ideal for Safety / Leak
detection applications -

- 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

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.

Applications

- Food and beverage
- Water treatment applications
- Other industrial processes

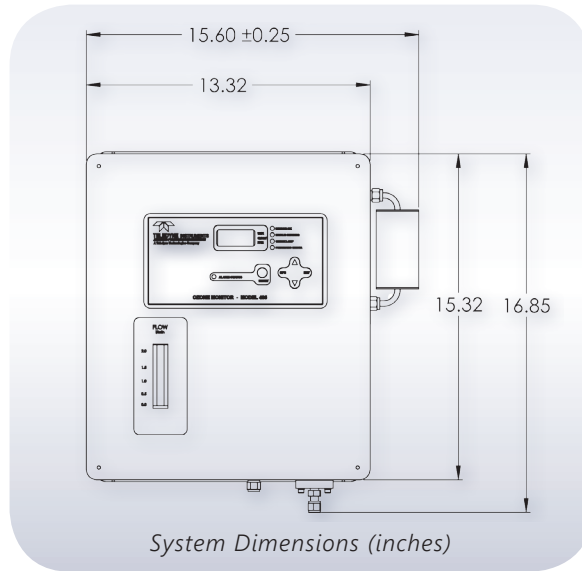


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Specifications

• Temperature Range	5 – 45°C
• Sample Flow Rate	800 cc/min
• Relay Mode	Latching/Non-latching (selectable)
• Power Requirements	100V-240V, 50/60 Hz, 74 W
• Analog Output Ranges	0-5V or 4-20mA isolated output
• 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
• Operating Temperature Range	5 – 45°C
• Dimensions (HxWxD)	NEMA 4X - 16.85" x 15.60" x 6.90" (428 mm x 396 mm x 175 mm)
• Weight	15.4 lbs (7.0 kg)
• Certifications	CE
• Warranty	1 year

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%



— OZONE INSTRUMENTATION FOR EVERY APPLICATION —					
Model	Generator Output	Off Gas Detection	Safety / Leak Detection	Dissolved Ozone	Spot Checking
465L		•	•		
465M		•	•		
465H	•				
454	•	•			
452	•				
430			•		•
W1 + 465L				•	
470				•	

Specifications subject to change without notice. All specifications are based on constant conditions.

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