



TELEDYNE INSTRUMENTS
Advanced Pollution Instrumentation
A Teledyne Technologies Company

MODEL **465L**

Single / Multi-Channel Safety Ozone Analyzer



- ▶▶ **UV Absorption Method**
- ▶▶ **Microprocessor controlled**
- ▶▶ **Menu driven software**
- ▶▶ **Lower detectable limit 3 ppb**
- ▶▶ **Built-in diagnostics**
- ▶▶ **Self-check warning alarms**
- ▶▶ **Fast response times**
- ▶▶ **Minimal zero drift**
- ▶▶ **1, 3 and 6 stream versions available for safety monitoring**
- ▶▶ **Programmable concentration alarms**
- ▶▶ **Temperature and pressure compensation (standard)**
- ▶▶ **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.

The Model 465L is available in a 19" rack mount or NEMA 4X wall mount enclosure and can be purchased either as a single stream unit or as a multi-channel unit capable of monitoring up to six individual sample streams. The Model 465L 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 if the analyzer malfunctions. Test values can be viewed while the Model 465L is operating. These displays, warnings, and self-diagnostics, along with the modular design, allow the Model 465L to be quickly repaired. 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.



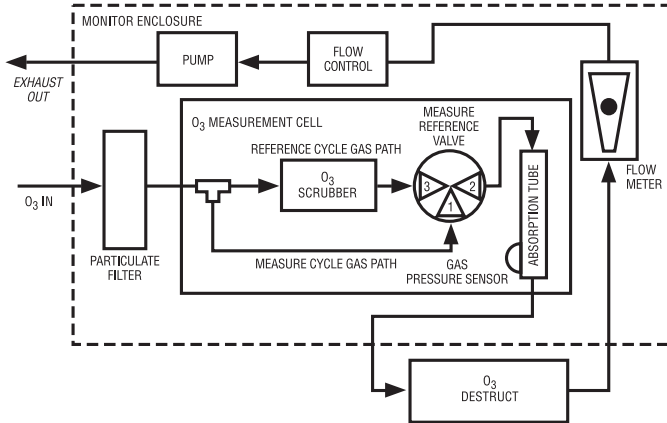
MODEL **465L**

Single / Multi-Channel Safety Ozone Analyzer

Specifications

Measurement Principle:	UV Absorption (Beer-Lambert Law)	Weight:	Rack Mount – 13.6 lbs (6.17 kg) NEMA 4X – 15.1 lbs (6.85 kg)
Measurement Range:	From 0-1 ppm to 0-500 ppm	Power:	100 - 240VAC, 50/60 Hz
Units:	ppmv, ppbv, pphm, µg/m ³ , mg/m ³	Analog Output (Bi-polar):	5V or 4-20mA or isolated output
Precision / Repeatability:	±0.1% of full scale	High Current Relay Outputs:	From C Dry Contact, 250VAC/10A (System OK, Global HI Alarm, Global HI-HI Alarm)
Resolution:	.001 ppm	Low Current Relay Outputs (3 or 6 channel, 3 per channel):	SPST Dry Contact, 50VDC/250mA Resistive Load (Channel ID, HI Alarm, HI-HI Alarm)
Linearity:	1% of full scale	Status Outputs:	System OK, Low Flow (option), Pressure, Temperature, UV Lamp Fault
Zero Drift:	.005 ppm/month, non-cumulative	Stream ID Outputs:	Channel 1 through 6
Lower Detectable Limit (LDL):	.003 ppm	RS-232 (Optional RS-485):	DB-9 connector
Response Time:	< 30 seconds to 95%	Approvals:	CE
Relay Mode:	Latching/non-latching, operator selectable	Degree of Protection:	IP65 (NEMA 4X)
Stream Selector Cycle Time:	1 min. to 120 min., operator selectable		
Sample Flow Rate:	0.8 liters/minute		
Operating Temperature Range:	5°C - 45°C		
Dimensions (HxWxD):	Rack Mount – 5.22" (133 mm) x 19" (483 mm) x 15.3" (388 mm) NEMA 4 – 16.01" (407 mm) x 15.77" (401 mm) x 8.02" (204 mm)		

Schematic



How to Order

Model 465L Single Stream Analyzer
Model 465L Three Stream Analyzer
Model 465L Six Stream Analyzer
include:

- Internal sample pump
- Temperature and pressure compensation
- Analog output
- Status output
- RS232 (MODBUS RTU)
- Ozone Destructor

Specify range:

- 0-1 ppm
- 0-5 ppm
- 0-10 ppm
- 0-50 ppm
- 0-100 ppm
- 0-200 ppm
- 0-500 ppm

Specify output voltage:

- 5V
- 4-20mA

Additional Options:

- Ethernet (MODBUS TCP/IP)
- Flow sensor option
- Rack Mount
- NEMA 4X Enclosure

Accessories:

- Expendables Kit
- Spare Parts Kit
- Sample Pre-Filter (specify quantity)

Specifications subject to change without notice. M465L/1.08



TELEDYNE INSTRUMENTS
Advanced Pollution Instrumentation

A Teledyne Technologies Company

9480 Carroll Park Drive ■ San Diego, CA 92121-5201
 Ph. 858-657-9800 Fax 858-657-9816
 Email api-sales@teledyne.com

For more information about the Teledyne API family of monitoring instrumentation products, call us or visit our website at

www.teledyne-api.com

