

Ozone
analyzer

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Single/multi- channel ozone analyzer 465L



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 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 bidirectional RS-232 port.

Advantages

- 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)
- Standard 19" rack mount chassis (3U)



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Technical specification

Measurement principle	UV absorption (beer lambert law)
Ranges	From 0-1 ppm to 0-500 ppm
Units	ppmv, ppbv, ppmw, pphm, $\mu\text{g}/\text{m}^3$, mg/m^3
Precision/repeatability	$\pm 0.1\%$ of full scale
Resolution	0.01 ppm
Zero drift	.005 ppm/month, non-cumulative
Lower detectable limit (LDL)	.003 ppm
Response time	<30 sec to 95%
Realy mode	Latching/non-latching, operator selectable
Temperature and pressure compensation	Standard
Stream selector cycle time	1 min. to 120 min., operator selectable
Sample flow rate	1 to 2.5 LPM
Temperature range	5 °C to 45 °C
Dimensions (H x W x D)	5.22" x 19" x 15.3" (133 x 483 x 388 mm)
Weight	13.6 lbs (6.17 kg)
Power	110-240V~, 50/60Hz
Analog output (bi-polar)	5V or 4-20mA isolated output
Status outputs	System OK, low flow (option), pressure, temperature, UV lamp fault
Steam ID outputs	Channel 1 through 6
RS-232	DB-9 connector
Approvals	CE

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