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Model Mini-Hicon

High Concentration Ozone Analyzer



The Model Mini-HiCon is an innovative Ozone Analyzer that combines a state-of-the-art gas phase ozone sensing technology mounted in a rugged NEMA 4x wall mount enclosure most suitable for demanding industrial applications. It is ideal for measuring high concentrations of ozone gas produced by generators in a wide variety of applications up to 400 g/Nm³.

The Mini-Hicon analyzer incorporates IN USA's patented, no moving parts and innovative dual-optical path sample sensing technology to provide unparalleled performance and reliability.

In addition the analyzer provides powerful microprocessor-based control, display, and output capabilities. It includes an alphanumeric backlit LCD; 0-10 VDC and 4-20 ma opto-isolated analog outputs; bi-directional RS232 digital communications; remote autozero capability; and automatic compensation for sample pressure and temperature.

Applications:

- Ozone Generator Output
- Semiconductor Tools
- Water Treatment Applications
- Ultrapure Water
- Pilot Studies
- Research Projects

Industries:

- Semiconductor
- Wastewater Treatment
- Pharmaceutical
- Biotechnology
- Research Laboratories
- Other Industrial Processes

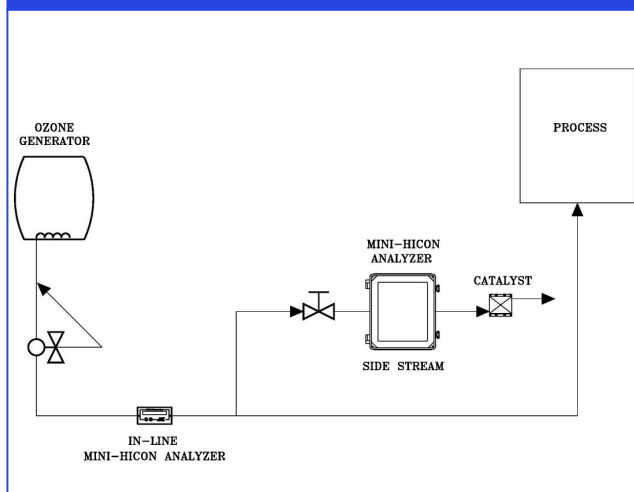
Features:

- UV Absorption Technique
- Dual Optical-Path Sampling Sensing
- No Moving Parts for Minimal Maintenance
- Pressure and Temperature Compensation
- Remote AutoZero

Specifications Model Mini-HiCon

ANALYZER:	Model Mini-Hicon™
Application:	High Concentration Ozone Analyzer
Measuring Principle:	UV Absorption
Pressure & Temperature:	Automatic compensation for sample pressure and temperature standard
Molecular Compensation:	User selectable compensation for use with air or oxygen fed generators
UV Light Source:	Low pressure mercury vapor lamp
Units of Measure:	g/m3, g/Nm3, % w/w
Range:	0 to 400 g/Nm3, 0 to 25% w/w (0-50, 0-100, 0-200 g/Nm3 available)
Precision / Repeatability:	0.5 gN/m3 or 1% of reading, including zero drift; (higher precision available)
Resolution:	0.1 g/m³ ; 0.01 % w/w
Cycle Time:	Continuous measurement; 0.5 sec or 2 Hz sampling rate
Sample Flow:	0.2 to 15 SLPM
Sample Ports:	1/4" Swagelok™ (others available)
Display:	20 characters, alphanumeric, backlit LCD
Analog Outputs:	Scalable 4 to 20 mA and 0 to 10 VDC isolated
Digital I/O:	RS-232-C, bi-directional
Diagnostics	Internal diagnostics; instrument error relay
Enclosure / Dimensions:	Wall Mount/NEMA 4X : 15.31" x 13.31" x 8.27" (388 x 338 x 210 mm) Rack : 19" x 5.3" x 14.2" (483 x 133 x 361 mm) Bench : 2.81" x 5.62" x 9.41" (71 x 143 x 241 mm)
Power :	100 to 240 VAC 50/60 Hz
Operating Conditions:	5 – 45 °C and 0 to 95% RH non-condensing
Compliance:	CE

Typical Installation (Inline of Side Stream)



*Specifications subject to change without notice

Ozone Equipment for every application

	Generator Output or Off Gas	Safety/Leak Detection	Tool Leak Detection	Stack & Environmental	Dissolved Ozone	Spot Checking
Model H1	•					
Model dFFOZ					•	
Model gFFOZ	•					
Model Mini-HiCon	•					
Model L2RM			•	•		
Model IN-2000		•	•	•		
Model AET-055-PA				•		•
Model OG series	Ozone Generators for a wide range of applications - water cooled					
Model AC series	Ozone Generators for a wide range of applications – air cooled					



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Rev.1A