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Model Mini-HiCon

High Concentration Ozone Analyzer



Ideal for monitoring ozone generator output

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 sample sensing
- No moving parts - minimal maintenance
- Pressure and temperature compensated
- Remote AutoZero

Specifications

Analyzer: Model Mini-HiCon™

Application: Gas-phase ozone; continuous

Measuring

Principle: UV Absorption; dual optical-path sample sensing*

Pressure &

Temperature: Automatic compensation for sample pressure and temperature

UV Light Source: Low pressure mercury vapor lamp

Units of Measure: g/m³, g/Nm³, % w/w

Range: 0 to 400 g/m³, 0 to 26 % w/w (0-50, 0-100, 0-200 g/m³ other ranges available)

Repeatability: 0.5 g/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 character, alphanumeric, backlit LCD

Analog Outputs: 4 to 20 mA and 0 to 10 VDC, opto-isolated

Digital I/O: RS-232-C, bi-directional

Diagnostics: Internal diagnostics; instrument error relay

AutoZero: Remote and Manual AutoZero Standard

Catalyst: Built-in

Power : 90 to 240 VAC 50/60 Hz

Dimensions: NEMA 4x enclosure (17" W x 19.5" H x 9.6" D)

Bench top cabinet (5.6" W x 2.8" H x 9.5" D)

Maintenance: UV lamp replacement every 24 months. No other scheduled maintenance

Specifications subject to change without notice

Ozone instrumentation for every application

	Generator Output	Safety/Leak Detection	Tool Leak Detection	Stack & Environmental	Dissolved Ozone	Spot Checking
Model dFFOZ					•	
Model gFFOZ	•					
Model Mini-HiCon	•					
Model L2RM			•	•		
Model IN-2000		•	•	•		
Model AET-030		•		•		•



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