

Model Mini-HiConä

Ozone Analyzer



Ideal for monitoring ozone generator output

Applications

- Ozone generator output
- Semiconductor tools
- Ultrapure water systems
- Pharmaceutical industry
- Water treatment applications
- Other industrial processes

Features

- Range of 0 to 400 g/m³
- Pressure and temperature compensated
- Remote AutoZero
- High accuracy UV Absorption method
- Dual optical-path sample sensing
- Minimal maintenance - no moving parts
- Semiconductor-grade wetted materials
- Compact enclosure
- Integrated sensor and microprocessor-based controller
- Panel mount

Description

The Model Mini-HiCon is an innovative Ozone Analyzer that combines a state-of-the-art gas-phase ozone sensor with an advanced electronics control module in a small, rugged enclosure. It is ideal for measuring ozone process gas in a wide variety of applications with high (up to 400 g/m³) ozone concentrations.

The Model Mini-HiCon Analyzer incorporates IN USA's innovative dual optical-path sample sensing technology (patent-pending) to provide unparalleled performance and virtually eliminate the need for a reference gas measurement.

The Model Mini-HiCon Analyzer provides powerful microprocessor-based control, display, and output capabilities. It includes an alphanumeric, backlit LCD; 0-10 VDC and 4-20 mA analog outputs (opto-isolated); bi-directional RS232 digital communications; remote AutoZero capability; and automatic compensation for sample pressure and temperature.

Specifications

ANALYZER: Model Mini-HiCon™*; integrated sensor and controller; microprocessor-based

Application: Ozone in gases; 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 (at NTP)

Repeatability: 0.5 g/m³ or 1% of reading, including zero drift; (higher precision available)

Resolution: 0.1 g/m³ or 0.01 % w/w

Cycle Time: Continuous measurement;
0.5 sec or 2 Hz sampling rate

Sample Flow: 0.2 to 1 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 AutoZero Standard

Power : 90 to 240 VAC 50/60 Hz

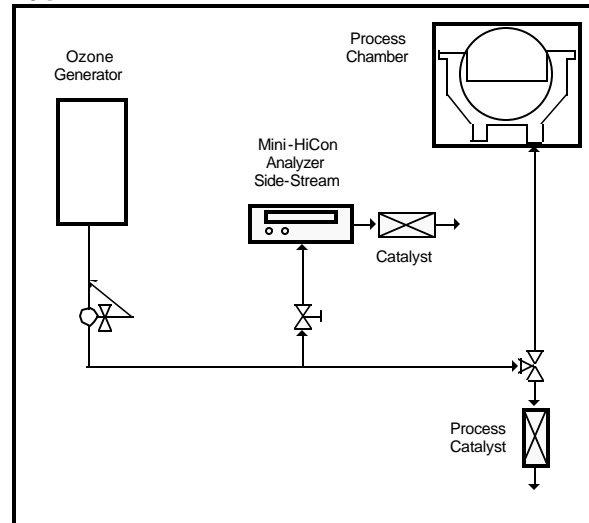
Dimensions: 5.6" W x 2.8" H x 9.5" D
(143 x 71 x 241 mm)

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

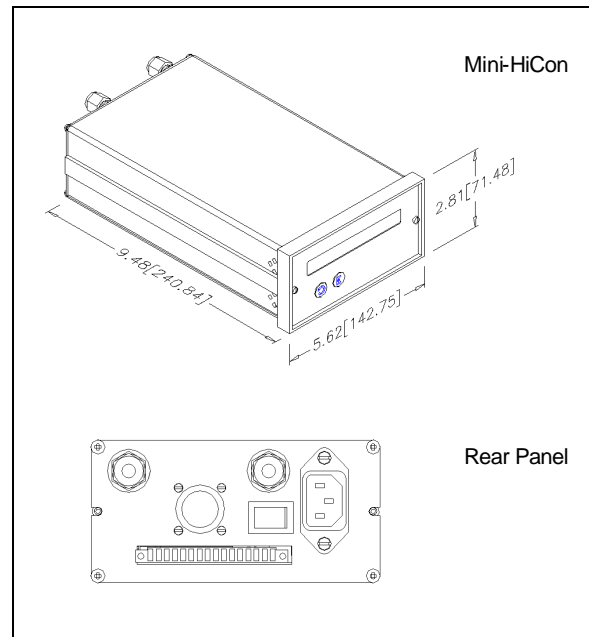
Compliance: CE

* Patent Pending
Specifications subject to change without notice.

Typical Installation (Side-Stream)



Dimensional Outline



Ozone instrumentation for every application

	Generator Output	Safety/Leak Detection	Tool Leak Detection	Stack & Environmental	Dissolved Ozone	Spot Checking
Model dFFOZ					0	
Model gFFOZ	0					
Model Mini-HiCon	0					
Model L2RM			0	0		
Model IN-2000		0		0		
Model AET-030		0		0		0



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