IN USA, Inc.
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Model dFFOZ-W

DISSOLVED OZONE ANALYZER

Ideal for monitoring dissolved/residual ozone in water

Applications

- Water treatment
- Bottling and Beverage
- USP Waters in Pharmaceuticals
- Food processing
- Pilot studies
- Wastewater treatment
- Research laboratories
- Other industrial processes

Features

- UV Absorption technology
- No Moving Parts
- Patented Dual Optical Path
- Virtually no maintenance required
- No electrolytes or membranes to replace
- Ozone specific measurement
- Direct measurement

Description

The Model dFFOZ-W is an innovative residual/ dissolved ozone analyzer. It is designed for fast and precise measurements for the most stringent applications in water treatment plants, bottling plants, pharmaceutical plants and many others. It is designed to be installed at the point of use in situ and is ideal for monitoring and controlling the ozonation process in rugged environments.

It provides continuous measurement of residual dissolved ozone in water. It can be connected inline or side stream and requires very low flow rates to operate.

The Model dFFOZ-W sensor is based on IN USA's patented, no moving parts and state of the art dual-optical path UV absorption technology, providing unparalleled performance and reliability. The dFFOZ-W sensor uses no probes, no membranes and no electrolytes and is virtually maintenance free.

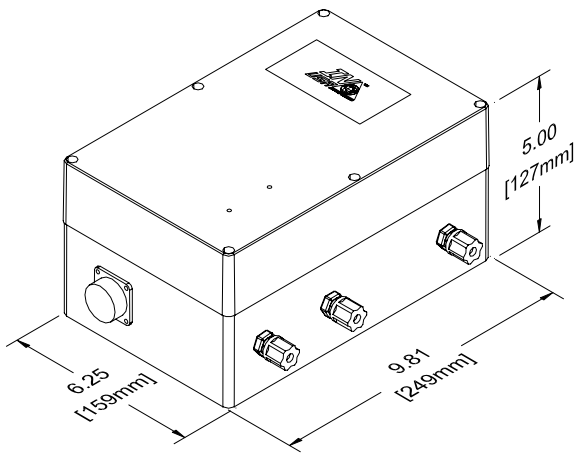
The Model dFFOZ-W system interfaces with the IN USA's microprocessor rugged based MiniSCI-N controller. The controller is housed in a compact, wall mount Nema 4X enclosure, and features a backlit LCD display, 0-10 VDC and 4-20 mA opto-isolated analog outputs, bi-directional RS-232 digital interface and a remote AutoZero capability.

Specifications dFFOZ-W

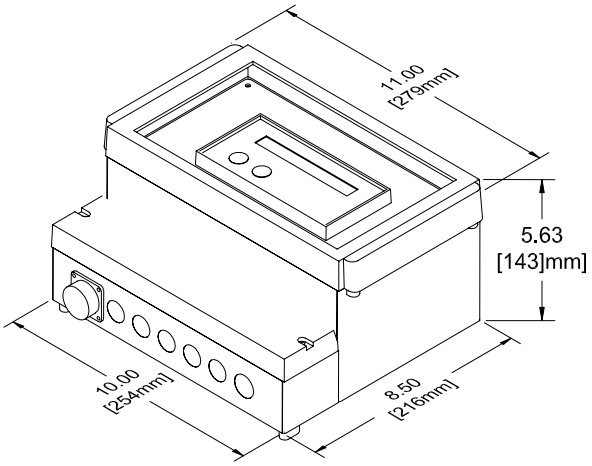
SENSOR:	**Model dFFOZ-W**
Application:	Dissolved Ozone Analyzer to measure residual ozone in water
Measuring Principle:	UV Absorption; Patented Dual optical-path sample
UV Light Source:	Low pressure mercury vapor lamp
Units of Measure:	ppm_w, mg/L
Range:	0 to 5 ppm_W (mg/L) (other ranges available)
Repeatability:	0.02 ppm_W (mg/L) or 1% of reading (whichever is greater)
Sample Flow:	0.5 lpm nominal
Sample Ports:	1/4" Compression Kynar® Fitting
Dimensions:	6.3" W x 9.8" H x 5.0" D (159 x 249 x 127 mm)
Maintenance:	UV lamp replacement every 12 months. No other scheduled maintenance required.
CONTROLLER:	**Model MiniSCI-N**
Display:	16 character, alphanumeric, backlit LCD
Resolution:	0.01 ppm_W or 0.01 mg/L
Cycle Time:	Continuous measurement every 0.5 sec
Analog Outputs:	Opto-isolated 4 to 20 mA and 0 to10 VDC
Digital I/O:	RS-232-C, bi-directional
Alarm Relays	3 user programmable alarms DPDT relays
Diagnostics:	Internal diagnostics, instrument error relay
AutoZero:	Remote and Manual AutoZero Standard
Power :	90 to 240 VAC, 50/60 Hz, 45 W max
Dimensions:	10" W x 8.5" H x 5.6" D (254 x 216 x 143 mm)

Specifications subject to change without notice

dFFOZ-W Sensor Dimensional Outline



MiniSCI-N Controller Dimensional Outline



Ozone instrumentation for every application						
	Generator Output	Safety/Leak Detection	Tool Leak Detection	Stack & Environmental	Dissolved Ozone	Spot Checking
Model dFFOZ-X					●	
Model gFFOZ	●					
Model Mini-HiCon	●					
Model L2RM			●	●		
Model IN-2000		●	●	●		
Model AET-030		●		●		●

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