



IN USA • A Brand of TELEDYNE API
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Model
dFFOZ-TR

Dissolved Ozone Trace Analyzer



The Model dFFOZ-TR Dissolved Ozone Analyzer is a photometer designed to measure dissolved ozone concentrations. It is based on state-of-the-art light absorption technology which provides very precise and stable readings in the single ppb_w levels in High Purity Water and other Clean Water applications.

Designed for maximum reliability and minimum maintenance, the analyzer requires no consumable electrolytes or membranes, and has no moving parts to wear out. The only maintenance required is the replacement of a UV lamp once every few years. Key technical advantages include extreme sensitivity, drift-free stability, and immunity to cross-interference from non-ozone gases.

The dFFOZ-TR analyzer system includes a **MINISCI-N** Controller that features an alphanumeric LCD display, 4-20 mA and 0-10 VDC Opto-isolated analog signal outputs, 3 user programmable DPDT relays, RS-232 digital interface and a button to ZERO the sensor very easily at any time. A turnkey plug and play installation panel configured with pressure gauges, regulators and flow meter is also available as an option.

Applications:

- Measure Traces of Ozone Dissolved in water
- Ultrapure Water Systems
- USP Water Systems
- Post Ozone Injection
- Post UV Radiation
- Other Applications

Industries:

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

Features:

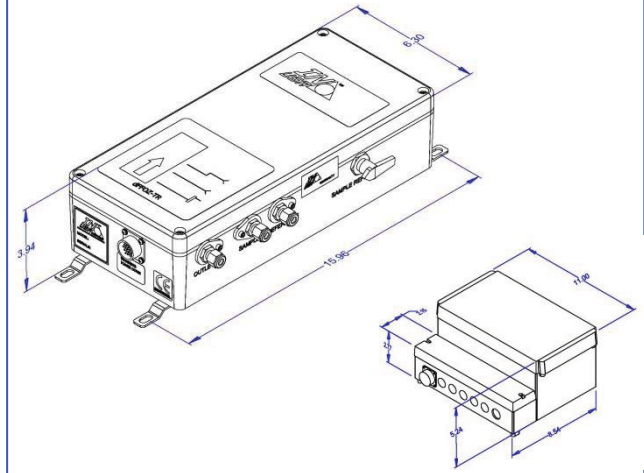
- Sensitive to Traces of Ozone in Water in the PPB levels
- Patented Light-Absorption Measuring Technology
- No Consumable Electrolytes or Membranes
- No Moving Parts or Routine Maintenance
- Highly Stable Measurement
- Immune to Cross Interferences
- Analog and Digital Interface
- Convenient Unattended Operation

Specifications

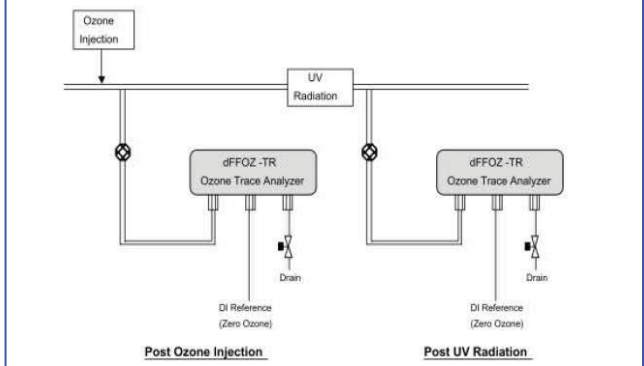
Model
dFFOZ-TR™

ANALYZER:	Model dFFOZ-TR™
Application:	Traces of Ozone Dissolved in Water
Measuring Principle:	UV Absorption, dual optical-path sample sensing technique (patented)
UV Light Source:	Low Pressure Mercury Vapor Lamp
Units of Measure:	ppm _w , mg/L
Range:	0 to 1000 ppb _w (higher range units available)
Precision / Repeatability:	3 ppb _w or 2% of reading (higher performance units available)
Flow Rate:	0.75 to 1.5 SLPM
Line Pressure:	15 to 20 PSI
Sample Ports:	1/4" Swagelok™ (other fittings available)
Enclosure:	NEMA 4X / IP65
Dimensions:	6.3" W x 15.9" H x 3.9" D (160 x 405 x 99 mm)
Maintenance:	UV lamp Replacement every 24-36 Months (no other scheduled maintenance)
CONTROLLER:	Model Mini-SCI-N
Display:	16 Character, Alphanumeric, Backlit LCD
Resolution:	1 ppb _w
Cycle Time:	Continuous Measurement every 0.5 Seconds
Analog Outputs:	Opto-isolated 4-20 mA and 0-10V dc
Digital I/O:	RS-232C, bi-directional
Diagnostics:	Internal Diagnostics, Instrument Error Delay
Alarm Relays:	3 User Programmable DPDT Alarm Relays
Power:	90 to 240 VAC, 50 / 60 Hz
Mounting:	Wall Mount NEMA 4 Enclosure
Dimensions:	10"W x 8.5"H x 5.6"D (254 x 216 x 143 mm)
Compliance:	CE

Dimensional Drawing



Typical Installation



*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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