

OZONE SENSOR

O3L SERIES



FEATURES & BENEFITS

- Affordable real-time ozone (O₃) monitoring
- Multiple wavelength sensor uses UV LED technology for superior measurement performance
- Wastewater to high purity measurement ranges
- Operator friendly, low maintenance UV LED design
- Reagent free optical measurements
- Simple to install and operate

MUNICIPAL DRINKING WATER
MUNICIPAL WASTEWATER
INDUSTRIAL PROCESS WATER
INDUSTRIAL WASTEWATER

WATER QUALITY
MONITORING
SOLUTIONS

REAL-TIME MONITORING SOLUTION

Ozone Sensor

Real Tech's bypass Ozone sensor provides affordable real-time measurement of ozone (O₃) in water or wastewater. Designed to meet the needs of many monitoring applications, the O3L series offers multiple sensor path length selections to meet the desired measurement range.

Controllers and Accessories

Our innovative modular product platform ensures our clients gain the real-time water quality monitoring system that meets their specific demands and budget. With multiple controller and accessory options available such as automatic chemical cleaning systems that lower maintenance while improving system performance, Real Tech provides a total solution for all of your unique water quality needs.

Liquid Ai Compatible

Our Liquid Ai data services complement our real-time water quality monitoring systems. Calibration Health Monitoring ensures accuracy and reliability is maintained so our clients can have the utmost confidence in their results, while our Remote Monitoring platform enables access to data anywhere, anytime.

MEASUREMENT PRINCIPLE

Real Tech's Ozone sensor provides superior measurement performance across multiple wavelengths of light using UV LEDs. Many compounds absorb light in the UV-VIS spectrum, and how much the compounds absorb is directly proportional to their concentration. Compounds that may interfere with ozone measurement are compensated for using additional reference wavelengths. Real Tech's innovative Ozone sensor is advancing water and wastewater management.

REALTECH
INC.



OZONE SENSOR SPECIFICATIONS

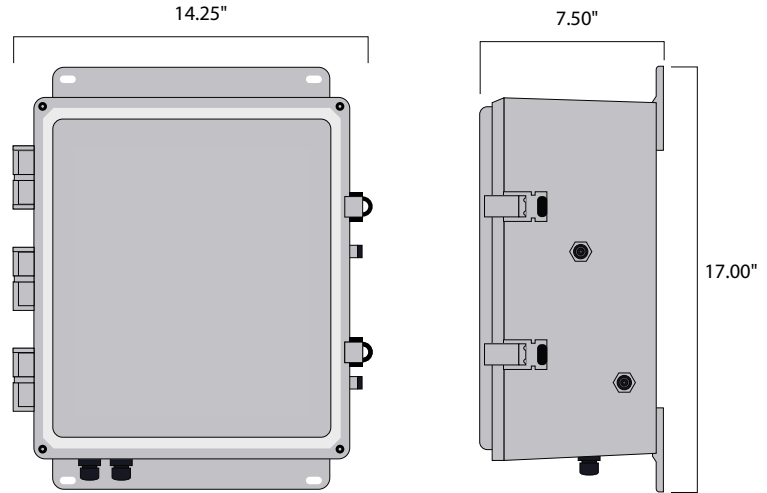
CHARACTERISTIC	TECHNICAL DATA								
	MODEL	O3L2010	O3L2020	O3L2040	O3L2080	O3L4025	O3L4050	O3L4100	O3L4150
Path Length		1 mm	2 mm	4 mm	8 mm	25 mm	50 mm	100 mm	150 mm
Parameters		Ozone (O ₃)							
Range		Depends on model selected. Refer to range chart.							
		± 1% full scale							
Units		mg/L, ppm							
Sampling Time		30 seconds							
Calibration		Factory calibrated. Field adjustment of calibration is possible.							
Cleaning		In-situ chemical cleaning makes cleaning quick and easy. Automatic chemical cleaning is optional.							
Self-Diagnostics		Detection and diagnosis of internal system fault							
Alarms		Dry contact terminals allow for operator configurable alarms for: high and low set points, low lamp output, leaks, system fault, etc.							
Humidity Control		Humidity sensor with large plug-in regenerating desiccant system							
Wavelength		Multiple wavelengths							
Light Source		UV LED							
Flow Rate		300-1000 mL/min							
Pressure Rating		20 PSI maximum							
Fluid Connections		1/4" OD tube push-in fittings							
Electrical/Comm.		From controller							
Storage Temp.		-20 to 60°C (-4 to 140°F)							
Operating Temp.		0 to 45°C (32 to 113°F)							
Enclosure		NEMA 4X, wall mountable							
Weight		22 lb				24 lb			
Dimensions		17"H x 14.25"W x 7.5"D				17.75"H x 15.5"W x 6.75"D			
Warranty		2-year limited warranty (Extended care packages available)							
Sensor Upgrades		High Temp. Upgrade I, High Temp. Upgrade II							

* Technical Specifications are subject to change without notice.

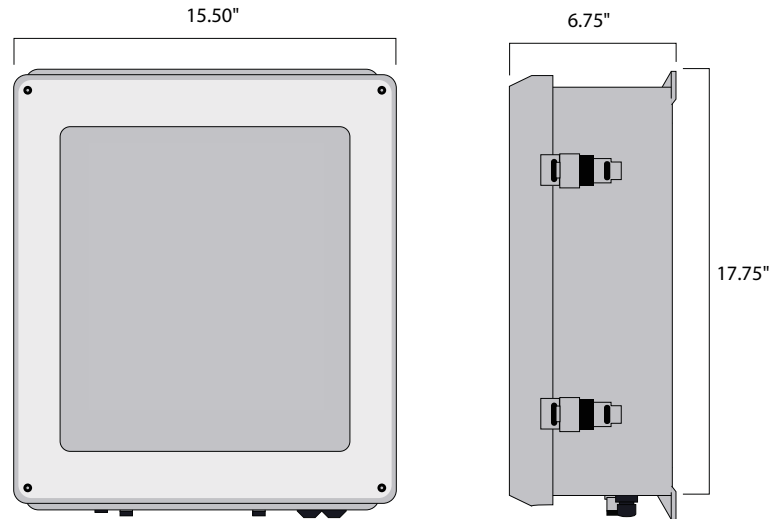
DIMENSIONS

The ozone sensor is a bypass cabinet instrument installed directly on a wall, railing or system backboard. Sample is supplied to the sensor from either a pressurized source or from an open-channel using an accessory pumping system.

DIMENSIONS FOR 2000 SERIES MODELS



DIMENSIONS FOR 4000 SERIES MODELS



SENSOR MODELS & RANGE

Includes ozone sensor, flow cell, calibration bottle and dehumidifier. Controller and accessories sold separately.

MODEL#	PATH LENGTH	OZONE (mg/L)
O3L2010	1 mm	0 - 128
O3L2020	2 mm	0 - 64
O3L2040	4 mm	0 - 32
O3L2080	8 mm	0 - 16
O3L4025	25 mm	0 - 6.4
O3L4050	50 mm	0 - 3.2
O3L4100	100 mm	0 - 1.6
O3L4150	150 mm	0 - 1

* Stated ranges are approximate, dependent on industry, site and application - contact Real Tech to confirm model selection.

CONTROLLERS

PRODUCT #	NAME	DESCRIPTION
S-169000	Real Controller	Wall mounted controller with 4-line x 20-character back lit LCD display for sensors
S-11TPC	Real Controller Pro	Wall mounted controller with touch panel PC interface (PC inside cabinet model)
S-11TPCD	Real Controller Pro	Wall mounted controller with touch panel PC interface (PC external on door model)

ACCESSORIES

PRODUCT #	NAME	DESCRIPTION
UVT-078130	Real Clean System I	Automatic chemical cleaning system for use with 2000 series models
UVT-118010	Real Clean System II	Automatic chemical cleaning system for use with 4000 series models
S-1789121	Dual Feed II	Dual feed option includes Digital I/O module for use with controllers

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