

Odosense® Variants

Variants	Applications	Parameters
Odosense® Lite	STP, WWTP	SO ₂ , H ₂ S, NH ₃ , Temperature, Humidity, Pressure
Odosense® Smart	Solid Waste	SO ₂ , H ₂ S, NH ₃ , CH ₃ SH, TVOC, Temperature, Humidity, Pressure
Odosense® Pro	Industrial, ETP	SO ₂ , H ₂ S, NH ₃ , CH ₃ SH, TVOC, CH ₂ O, NO ₂ , Cl ₂ , Temperature, Humidity, Pressure
Odosense® Custom	As per request	Choice of upto 9 gases with External Modules.

Parameters

Sensor	ID	Range	Resolution	Min. Detection	Drift	Working Principle	Expected Sensor Life	
Sulfur Dioxide (SO ₂)	OZSO2_1*	0-10 ppm	0.001 ppm	0.01 ppm	±20 ppb / Year	Electrochemical	2 years	
	OZSO2_2	0-100 ppm	0.2 ppm	0.2 ppm	< 2% / Month			
	OZSO2_3	0-2000 ppm	5 ppm	5 ppm	< 2% / Month			
Hydrogen Sulfide (H ₂ S)	OZH2S_1*	0-1.5 ppm	0.001 ppm	0.01 ppm	±100 ppb / Year			
	OZH2S_2	0-50 ppm	0.05 ppm	0.05 ppm	< 2% / Month			
	OZH2S_3	0-200 ppm	0.2 ppm	0.2 ppm	< 2% / Month			
	OZH2S_4	0-2000 ppm	2 ppm	2 ppm	< 2% / Month			
Ammonia (NH ₃)	OZNH3_1*	0-20 ppm	0.3 ppm	0.3 ppm	< 2% / Month			
	OZNH3_2*	0-100 ppm	0.3 ppm	0.3 ppm	< 2% / Month			
	OZNH3_3	0-1000 ppm	2 ppm	2 ppm	< 2% / Month			
Methyl Mercaptan (CH ₃ SH)	OZCH3SH_1*	0-10 ppm	0.1 ppm	0.1 ppm	< 2% / Month			
Total Volatile Organic Compounds (VOC)	OZTVOC_1*	0-40 ppm	0.001 ppm	0.005 ppm	N.A.	Photo Ionization Detection (PID)	2 years#	
	OZTVOC_2	0-200 ppm	0.10 ppm	0.10 ppm	N.A.			
Formaldehyde (CH ₂ O)	OZCH2O_1*	0-10 ppm	0.05 ppm	0.05 ppm	< 2% / Month	Electrochemical	2 years	
	OZCH2O_2	0-50 ppm	0.1 ppm	0.1 ppm	< 2% / Month			
Nitrogen Dioxide (NO ₂)	OZNO2_2	0-10 ppm	0.001 ppm	0.01 ppm	±20 ppb / Year			
	OZNO2_3	0-100 ppm	0.2 ppm	0.2 ppm	< 2% / Month			
	OZNO2_1*	0-500 ppm	0.5 ppm	0.5 ppm	< 2% / Month			
Chlorine (Cl ₂)	OZCl2_1*	0-20 ppm	0.05 ppm	0.05 ppm	< 2% / Month			
	OZCl2_2	0 - 50 ppm	0.1 ppm	0.1 ppm	< 2% / Month			
Methane (CH ₄)	OZCH4_1	500-1500 ppm	1 ppm	500 ppm	N.A.			Molecular Property Spectrometer (MPS)
	OZCH4_2	50-10,00,000 ppm	1 ppm	50 ppm	N.A.			
Hydrogen Chloride (HCl)	OZHCl_1	0-50 ppm	0.5 ppm	0.5 ppm	< 2% / Month			Electrochemical
	OZHCl_2	0-100 ppm	1 ppm	1 ppm	< 2% / Month			
Ambient Noise	OZN_1*	Upto 140 dB	1 dB	0.5 dB	N.A.	Capacitive		
Temperature	OZTEMP_1*	-40 to 125°C	0.01°C	-40 °C	N.A.	Solid State Semiconductor Sensing		
Humidity	OZHUM_1*	100% Rh	0.1%	0.1%	N.A.			
Barometric Pressure	OZPRES_1*	300-1100 hPa	0.18 Pa	300 hPa	N.A.			

TVOC Sensor Housing: 2 years, TVOC Lamp is user replaceable: 5,000 hours

Expected Sensor Life can vary, subject to actual concentration on-site. In the interest of continued product improvement, we reserve the right to change design features and specifications without prior notification. The data contained in this document is for guidance only, Oizom® accepts no liability for any consequential losses, injury or damage resulting from the use of this document or the information contained within.

External Modules



Anemometer
OZWSD_1*
Wind Speed: 0-40 m/s
Wind Direction: 0-359°
Working Principle: Ultrasonic



Rain Gauge
OZRAIN_1*
Resolution: 0.25 mm
Working Principle: Tipping Bucket



Vibration Sensors
PPV: +/- 2G
Range frequency: 0.5 - 250 Hz
Range velocity: ±50 mm/s (±2 in/s)
Working Principle: MEMS

*Indicates standard delivery timeline.