Odosense® Variants

Variants	Applications	Parameters
Odosense® Lite	STP, WWTP	SO_2, H_2S, NH_3, Temperature, Humidity, Pressure
Odosense® Smart	Solid Waste	SO_2, H_2S, NH_3, CH_3SH, TVOC, Temperature, Humidity, Pressure
Odosense® Pro	Industrial, ETP	SO_2, H_2S, NH_3, CH_3SH, TVOC, CH_2O, NO_2, Cl_2, Temperature, Humidity, Pressure
External Modules	Optional	Ambient Noise, Rain, Wind-speed and direction (integrable with all 3 variants)

Parameters

ID	Parameter	Range	Resolution	Min. Detection	Drift	Working Principle	Measurement Principle	Sample Rate	Expected Sensor Life
OZH2S_1	Hydrogen Sulfide (H_2S)	0-1.5 ppm	0.001 ppm	0.1 ppm	±100 ppb / Year	Electrochemical	Active Sampling	325 mL per sample	2 years
OZNH3_1	Ammonia (NH_3)	0-20 ppm	0.3 ppm	0.3 ppm	< 2% / Month				
OZCH2O_1	Formaldehyde (CH_2O)	0-10 ppm	0.05 ppm	0.05 ppm	< 2% / Month				
OZCH3SH_1	Methyl Mercaptan (CH_3SH)	0-10 ppm	0.1 ppm	0.1 ppm	< 2% / Month				
OZNO2_1	Nitrogen Dioxide (NO_2)	0-10 ppm	0.001 ppm	0.01 ppm	±20 ppb / Year				
OZSO2_1	Sulfur Dioxide (SO_2)	0-10 ppm	0.001 ppm	0.01 ppm	±20 ppb / Year				
OZCL2_1	Chlorine (Cl_2)	0-20 ppm	0.05 ppm	0.05 ppm	< 2% /Month				
OZHCL_2	Hydrogen Chloride (HCl)	0-100 ppm	1 ppm	1 ppm	< 2%/month				
OZTVOC_1	Total VolatileOrganic Compounds (TVOC)	0-40 ppm	0.001 ppm	0.005 ppm	N.A.	PID			5000 hours
OZCH4_1	Methane (CH_4)	500-1500 ppm	1 ppm	500 ppm	N.A.	Molecular Property Spectrometer			2 years
OZN_1	Ambient Noise	Upto 140 dB	1 dB	0.5 dB	N.A.	Capacitance	Passive Monitoring	N.A.	
OZTEMP_1	Temperature	-40 °C to 125 °C	0.01°C	-40°C	N.A.	Solid State Semiconductor Sensing			
OZHUM_1	Humidity	100% Rh	0.1%	0.1%	N.A.				
OZPRES_1	Barometric Pressure	300-1100 hPa	0.18 Pa	300 hPa	N.A.				

Note - If a custom range and resolution of a sensor is required, please contact our team.

External Modules (optional)

Rain Sensor
- Tipping Bucket
- In mm / inch

Wind Sensor
- Ultrasonic sensor
- 0-359°, 0-40 m/s

Noise Sensor
- Capacitance
- Upto 140 dB

ES France - Département Bio-tests & Industries
127 rue de Buzenval BP 26 - 92380 Garches
Tél. 01 47 95 99 90
Fax. 01 47 01 16 22
e-mail : bio@es-france.com
Site Web : www.es-france.com