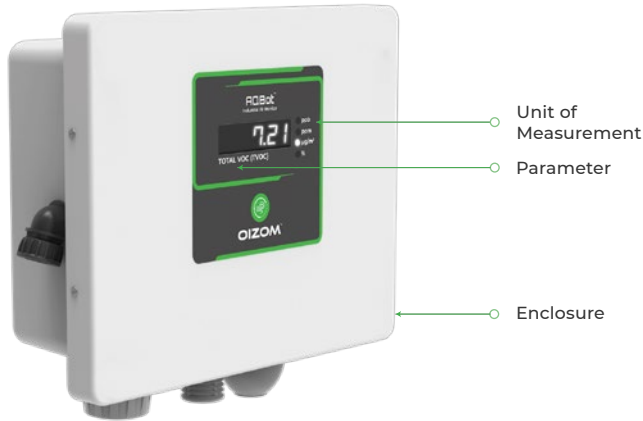


Industrial Grade Single Parameter Air Quality Monitor

AQBot™ Series offers a wide range of air quality parameters to choose from. AQBot™ product range consists of critical parameters and toxic gases like Total Volatile Organic Compounds (TVOC), Ammonia (NH₃), Hydrogen Sulfide (H₂S), Methane (CH₄), Carbon Monoxide (CO), Formaldehyde (CH₂O), Particulate Matter (PM₁, PM_{2.5}, PM₁₀, PM₁₀₀), Ambient Noise.



Wide range of parameters: Compatible with a wide range of parameters for gases, PM & Noise



On-device display: Built-in display to check on-site concentration and unit of measurement



Data analytics software: Advanced software to view data, analyze, integrate and create reports



Compact: Lightweight and compact, easily installed on any wall, pole, or structure



Durable: NEMA 4X certified industrial-grade enclosure made of composite polymers



Dedicated support: Skilled support team to assist users in problem-solving



Real-time data: Continuous monitoring and real-time data transfer at configurable intervals



Built-in relay: Built-in relay for automating external equipment and better process control



Alerts and notifications: Real-time alerts through software, siren, and strobe



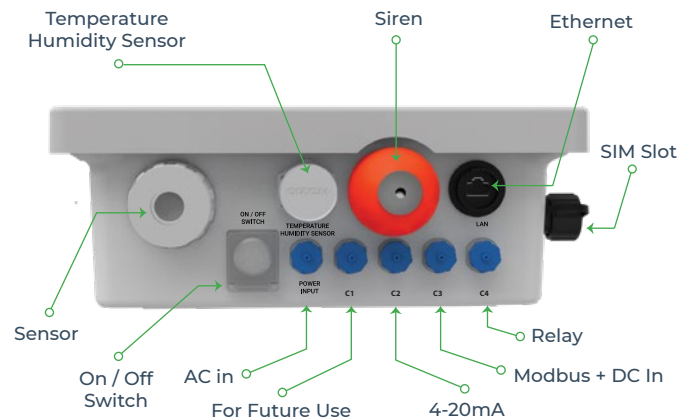
Wired comm.: Industry-standard output signals like MODBUS, ethernet, RS-485, RS-232



Wireless comm: Wide range of wireless connectivity options like GSM/WiFi/LoRa



Internal data storage: In case of network losses, data is stored in internal memory of upto 30 days



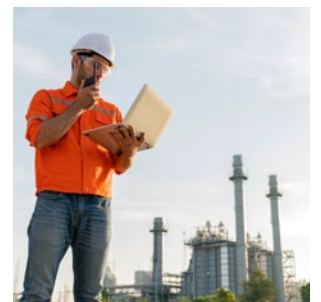
Industrial Fenceline



Automation



Wastewater



Industrial EHS

Specifications

Internal data storage	Up to 12 months	Wireless communications	Global 2G/3G/4G, LoRa, LTE, NB-IoT, Sigfox, Wifi (Any one)
Device interface	On-device software, API, Display	Wired communications	Ethernet, Modbus TCP, Modbus RTU, RS-485, CANbus (Any one)
Power supply	AC: 90VAC- 265VAC 50/60Hz	Analog output	1 x 4~20mA Current Loop with 12-bit Res
Power consumption	3.5 W (average)	Relay outputs	2 programmable relays, volt free relay contacts (1NO, 1 NC)
Operation temperature	-20 to +60°C	Beacon/sounder	Built-in, RED flashing light with alarm sounder 95db @ 1m
Operation humidity	0 - 90%RH, non-condensing	Response time (t₉₀)	< 60 Seconds
Storage conditions	10 - 40°C	Signal refresh rate	5 Seconds
Net weight	2.8 kg	Accuracy	<±5%FS (at 20±5°C/ 50±20%RH)
Dimensions	210mm (W) × 258mm (H) × 105mm (D)		
Installation method	Wall mount / Pole mount		
Housing	NEMA-4X Fire-retardant FRP enclosure		
Weather protection	Weather Resistant IP66 Enclosure		

ID	Parameter	Range	Resolution	Min. Det.	Working Principle	Sensor Life
OZNH3_1	Ammonia (NH ₃)	0-20 ppm	0.3 ppm	0.3 ppm	Electrochemical Sensing	2 Years
OZNH3_2		0-100 ppm	0.3 ppm	0.3 ppm		
OZNH3_3		0-1000 ppm	2 ppm	2 ppm		
OZCH4_1	Methane (CH ₄)	500-1500 ppm	1 ppm	500 ppm	Molecular Property Spectrometer (MPS)	2 Years
OZH2S_1	Hydrogen Sulfide (H ₂ S)	0-1.5 ppm	0.001 ppm	0.01 ppm	Electrochemical Sensing	2 Years
OZH2S_2		0-50 ppm	0.05 ppm	0.05 ppm		
OZH2S_3		0-200 ppm	0.2 ppm	0.2 ppm		
OZH2S_4		0-2000 ppm	2 ppm	2 ppm		
OZTVOC_1	Total Volatile Organic Compounds (VOC)	0-40 ppm	0.001 ppm	0.005 ppm	Photo Ionization Detection (PID)	5000 Hours
OZTVOC_2		0-200 ppm	0.05 ppm	0.05 ppm		
OZPM_1	Particulate Matter (PM _{2.5})	Upto 5000 µg/m ³	0.1 µg/m ³	1 µg/m ³	Optical Particle Counter	5000 Hours
OZPM_2	Particulate Matter (PM ₁₀)	Upto 5000 µg/m ³				
OZPM_3	Particulate Matter (PM ₁)	Upto 5000 µg/m ³				
OZPM_4	Particulate Matter (PM ₁₀₀)	Upto 30 mg/m ³				
OZN_1	Noise	up to 140 dBA	1 dB	0.5 dB	Capacitive	2 Years
OZCl2_1	Chlorine (Cl ₂)	0-20 ppm	0.05 ppm	0.05 ppm	Electrochemical Sensing	2 Years
OZCl2_2		0-50 ppm	0.1 ppm	0.1 ppm		
OZHCl_1	Hydrogen Chloride (HCl)	0-50 ppm	0.5 ppm	0.5 ppm	Electrochemical Sensing	2 Years
OZHCl_2		0-100 ppm	1 ppm	1 ppm		
OZCH2O_1	Formaldehyde (CH ₂ O)	0-10 ppm	0.05 ppm	0.05 ppm	Electrochemical Sensing	2 Years
OZCH2O_2		0-50 ppm	0.1 ppm	0.1 ppm		
OZCH3SH_1	Methyl Mercaptan (CH ₃ SH)	0-10 ppm	0.1 ppm	0.1 ppm	Electrochemical Sensing	2 Years
OZSO2_1	Sulfur Dioxide (SO ₂)	0-10 ppm	0.001 ppm	0.01 ppm	Electrochemical Sensing	2 Years
OZSO2_2		0-100 ppm	0.2 ppm	0.2 ppm		
OZSO2_3		0-2000 ppm	5 ppm	5 ppm		
OZNO2_1	Nitrogen Dioxide (NO ₂)	0-10 ppm	0.001 ppm	0.01 ppm	Electrochemical Sensing	2 Years
OZNO2_2		0-100 ppm	0.2 ppm	0.2 ppm		
OZNO2_3		0-500 ppm	0.5 ppm	0.5 ppm		
OZCO_1	Carbon Monoxide (CO)	0-5 ppm	0.01 ppm	0.01 ppm	Electrochemical Sensing	2 Years
OZCO_2		0-100 ppm	0.1 ppm	0.1 ppm		
OZCO_3		0-1000 ppm	0.75 ppm	0.75 ppm		
OZCO_4		0-50 ppm	0.05 ppm	0.05 ppm		
OZNO_1	Nitric Oxide (NO)	0-5 ppm	0.001 ppm	0.01 ppm	Electrochemical Sensing	2 Years
OZNO_2		0-100 ppm	0.5 ppm	0.5 ppm		
OZCO2_1	Carbon Dioxide (CO ₂)	0-5000 ppm	1 ppm	400 ppm	NDIR	2 Years

Accurate Air Quality Monitoring And Advanced Data Analytics



Get in touch



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