

Parameters

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

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

Specifications



General Specs

Processor	Quad-Core ARM Cortex A-72
Memory	2GB RAM, 8GB eMMC ROM
Internal data storage	Up to 12 months
Device interface	On-device software, API, Display
Display specification	6 digit 7 Segment Display



Communication

Wireless communications	Global 2G/3G/4G, LoRa, LTE, NB-IoT, Sigfox, Wifi (Any one)
Wired communications	Ethernet, Modbus TCP, Modbus RTU, RS-485, CANbus (Any one)
Analog output	1 x 4~20mA Current Loop with 12-bit Resolution
Relay outputs	2 programmable relays, volt free relay contacts (1NO, 1 NC)
Beacon/sounder	Built-in, RED flashing light with alarm sounder 95db @ 1m



Electrical

Power supply	AC: 90VAC- 265VAC 50/60Hz
Power consumption	3.5 W (average)
Wiring connections	Pre-wired supplied with 2m cable



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