



Industrial Grade Single Parameter Air Quality Monitor



AQBotTM is an industrial air quality monitor with automation capabilities. AQBotTM Series offers a wide range of air quality parameters to choose from. The range of available parameters consists of all the important Gases, Particulates, and Noise related monitoring for Industrial scenarios. AQBotTM product range consists of critical ambient 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, etc. The AQBot series is designed for easy and inexpensive maintenance.

Product Features



On Device Display



Real-Time Data



Ultimate Durability



Built-in Relay



Weatherproof Enclosure



Wired Communications



Compact and Lightweight



Wireless Communications



Internal Data Storage



SMS and Email Alerts







Data Analytics Software

Why Monitor Chlorine?

 Cl_2 is a highly reactive, greenish-yellow gas. It has a suffocating, irritating, pungent bleach-like odour and can accumulate in enclosed, poorly ventilated, and low-lying areas. Cl_2 is emitted in industrial applications such as food processing, pulp, and paper mill and water cooling systems, etc. where it is used as an disinfectant. Continuous monitoring of Chlorine in such confined spaces, leakage prone zones and industrial sheds provides adequate warning of hazardous exposure. Stakeholders like safety managers or workshop supervisors can further take necessary precautions with such actionable information.

Product Applications



Food and Beverages Industry
In various disinfecting activities



Leather Industry
Pickling process



Textile IndustryBleaching Process



The best in class Chlorine Monitor

AQBot[™] consists of the NEMA 4X approved enclosure to last long in a harsh industrial environment. It offers all industry-standard output signals like MODBUS, CANbus, RS-485, RS-232, etc. In addition, the fixed air quality monitor can also offer other communication modes like GSM (2G / 3G/ 4G), GPRS, WiFi, LoRa, Ethernet, Satellite etc. The monitor can easily integrate with existing building monitoring or plant control systems infrastructure. Using such a wide range of communication capabilities, AQBot[™] enables the Industrial Internet Of Things (IIoT) which is the backbone of Industrial Revolution 4.0.

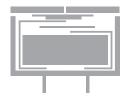
Key Benefits

- Quick sensing for threshold based alerts
- Highly accurate data to detect low ppb concentrations
- Robust built to sustain harsh industrial conditions
- Easy data integrations to match industry standards
- In built relay operation for automation

- Data transmissions through multiple channels
- Real time data display for keeping a check
- Siren and strobe for audio and visual alerts
- Effortless installations with versatile mounting arrangement

AQBot Specifications

ID	PARAMETER	RANGE	RESOLUTION
OZCI2_1	Chlorine (Cl ₂)	0-20 ppm	0.05 ppm
OZCI2_2		0-50 ppm	0.1 ppm



Electrochemical Sensing

Mechanical

Size	210MM(W) x 258mm(H) X 105mm(D)	
Weight	2.8 Kg (instrument weight)	
Material	NEMA 4X Fire Retardant FRP Enclosure	
Certifications	CE, IP66, RoHS	
Installation Method	Pole Mount / Wall Mount	



Technical

Processor	Quad Core ARM Cortex
Memory	2GB RAM 8GB eMMC ROM
Device Interface	Display / On-device Software / API / Cloud Platform
Internal Data Storage	Upto 8 GB or 90 days



Operating Temperature	-20 °C to 60 °C
Operating Humidity	0-93% RH
Recommended Humidity	15-90% RH
Storage Conditions	10 - 40°C

Changing the way Industries monitor air quality





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