



# Continuous Ambient Air Quality Monitoring System

In a world where air quality is a growing concern, Prana Air - Air Quality Monitor is your trusted companion for ensuring the air you breathe is safe and clean.

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[www.pranaair.com](http://www.pranaair.com)



# About Continuous Ambient Air Quality Monitoring System

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The Continuous Ambient Air Quality Monitoring System(CAAQMS) provides reliable measurements of particulate matter (PM10, PM2.5, PM1), total suspended particles (TSP), including O3, NO2, CO, SO2, NO, NH3, H2S, CH4, and TVOC (PID).

It achieves levels of performance, ensuring accurate and defensible data on air quality parameters in real-time.





# What does it measure?

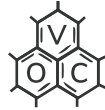
The CAAQMS outdoor air quality monitor offers a comprehensive range of measurements.



Particulate matter(1,2.5&10)



Ozone



TVOC



Methane



Nitric oxide



Temperature & Humidity



Carbon monoxide



Nitrogen dioxide



Sulphur dioxide

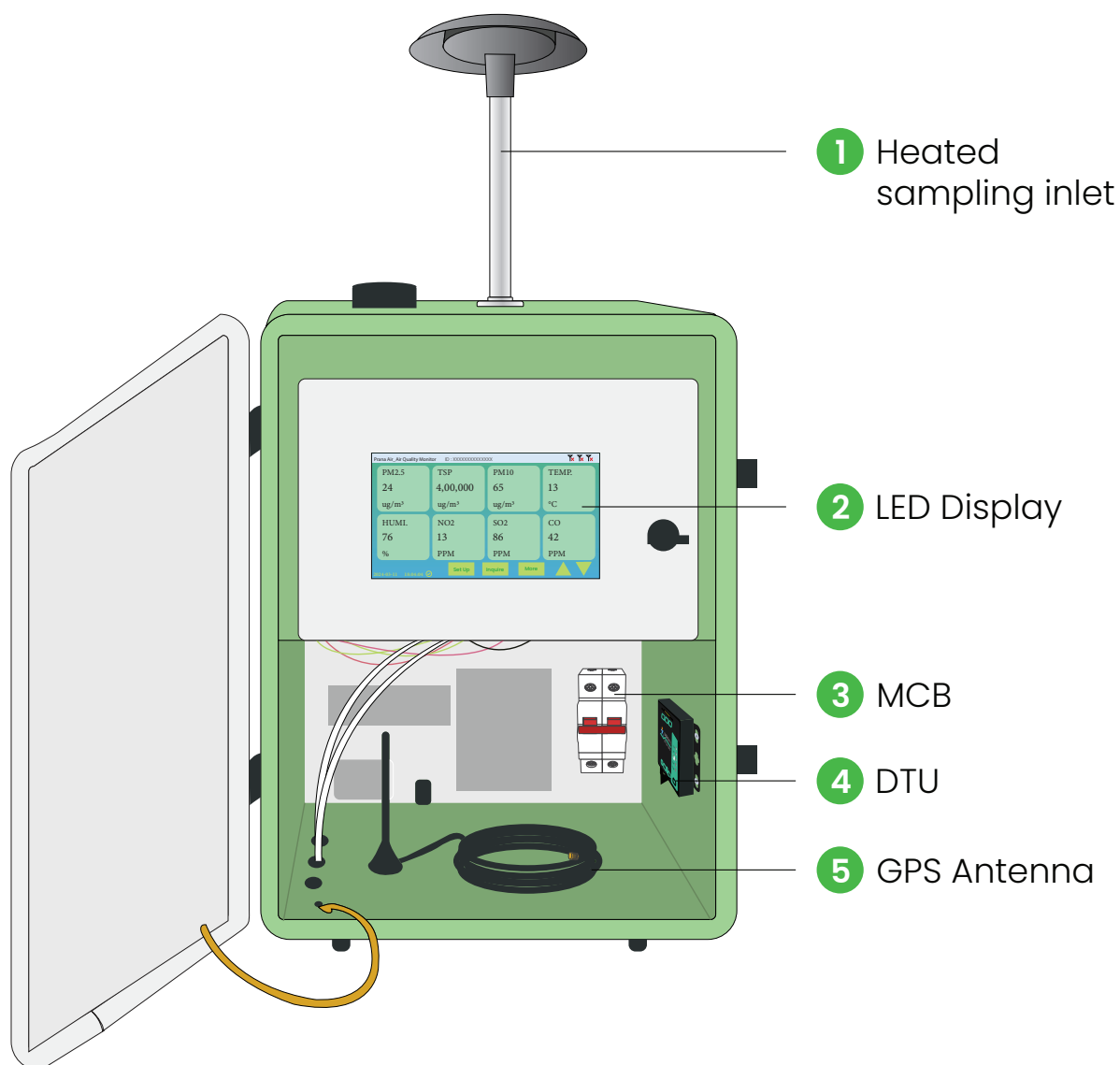


Hydrogen sulphide



# Overview

The CAAQMS continuously monitors environmental conditions to deliver precise measurements, making it an invaluable tool for air quality management, environmental research, and public health assessments.



## Data Transmission Unit

- RS 485
- 4G Vol SIM Card

## ✦ Enhanced Data Connectivity

Benefit from versatile with DTU (Data transmission Unit) including RS-485, SIM Card, and precise lat/long GPS coordinates.



## Easy Maintenance

Simplifies maintenance with fewer components in the monitor.



## Data Accuracy

State-of-the-art sensors ensure accurate and reliable real-time pollutant data.



## Cloud Storage

Enables GSM data connectivity with cloud storage, facilitating easy data transfer and access.



## Versatile Mounting Options

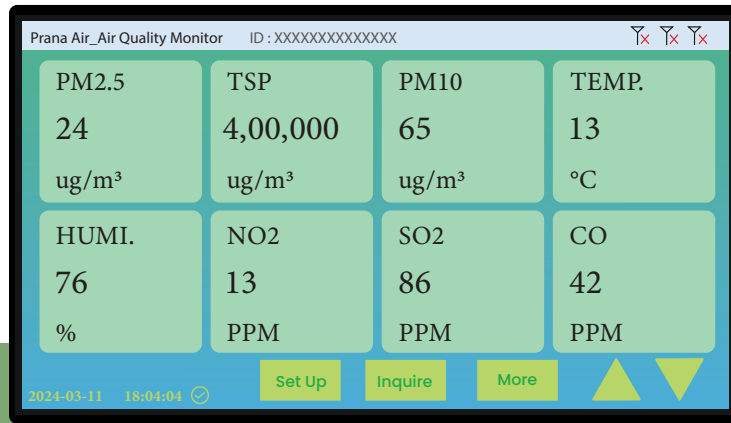
Mounting is available for installation in various outdoor locations on poles such as hospitals, parks, airports, and more.



## Waterproof Design

Features weatherproof housing (IP68) for durability and resilience in outdoor environments.

# LED Display Screen



Effortless monitoring with an intuitive touchscreen interface. Navigate through menus, access real-time pollutant data, and customize settings with just a touch. Customization functionality, check for signal access to the device, historical data, and error adjustment. Simplify your monitoring experience with the power of touch.

## Durable Structure for Increased Run Time



**Well-Researched Technology :** Incorporates state-of-the-art features to ensure accuracy and reliability.



**Long-Life Pump :** Equipped with a high-quality pump designed for longevity.



**Heated Sampling Inlet :** Reduces the impact of humidity or water vapor on measurements.

## Lower Operating Cost



**High quality :** Offers cost-effective operation without compromising quality.



**Remote surveillance :** Saves time and resources by providing remote monitoring capabilities.



**Adaptability :** High flexibility to integrate additional sensors.

# Technical Specifications

Parameters	Sensor Type	Range	Resolution	Accuracy
TSP, PM10, PM2.5 & PM1	90° Light Scattering	0 to 30,000µg/m³	1 µg/m³	0-150 µg/m³ is for ±10% & for 150 µg/m³ onwards is ±15%
Temperature	Digital Sensor	-40 to 70 °C	0.1°C	±5°C
Humidity	Digital Sensor	0 to 100% RH	1% RH	±3% RH
Carbon Dioxide (CO2)	NDIR	1 to 10,000ppm	1ppm	±3%
Nitrogen Dioxide (NO2)	Electrochemical	0 to 20ppm	1ppb	±3%
Carbon Monoxide (CO)	Electrochemical	0 to 1000ppm	10ppb	±3%
Sulphur Dioxide (SO2)	Electrochemical	0 to 100ppm	1ppb	±3%
Ozone (O3)	Electrochemical	0 to 20ppm	1ppb	±3%
Nitric Oxide (NO)	Electrochemical	0 to 20ppm	1ppb	±3%
TVOC	PID	0 to 65ppm	10ppb	±3%
Hydrogen Sulphide (H2S)	Electrochemical	0 to 100ppm	1ppb	±3%
Methane (CH4)	Electrochemical	0 to 20ppm	0.1 %	±3%

# Product Specifications

Features	Description
Connectivity	RS-485(MODBUS) and GSM (optional)
Display	LED Display Screen
Weight	6.5 kg
Data Accessibility	AQI mobile & smart TV app, and web-dashboard
Storage	Cloud Storage (with AQI Dashboard)
Mobile App	AQI INDIA (available on ios and android)
Housing	IP68 water proof housing





# AQI Mobile Application

Facilitating your ability to make well-informed decisions effortlessly, no matter your location or the time of day, our platform ensures seamless access to the essential data you require.



# AQI Web Dashboard

Empowering you to make informed decisions with easy access to the data.



Dashboard



Compare



Tree View



Link

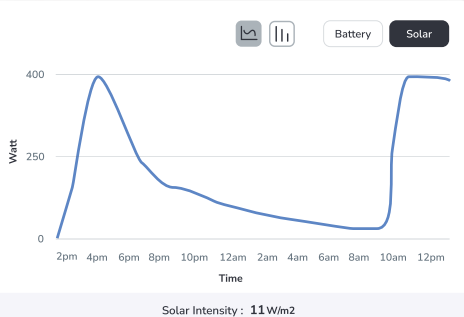


Export File

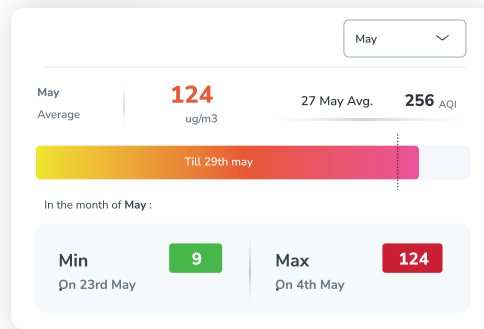


QR Code

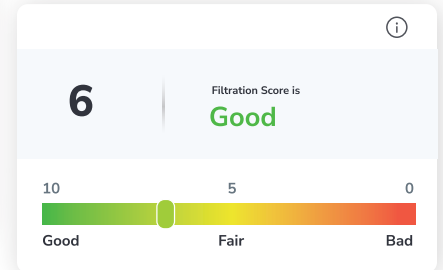
Solar Graph



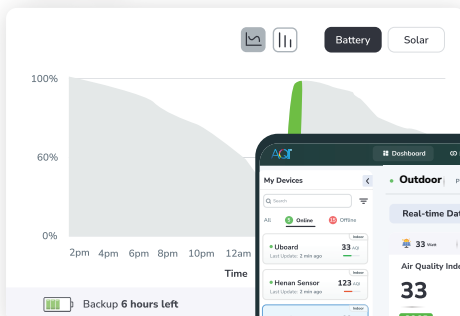
Monthly Analysis



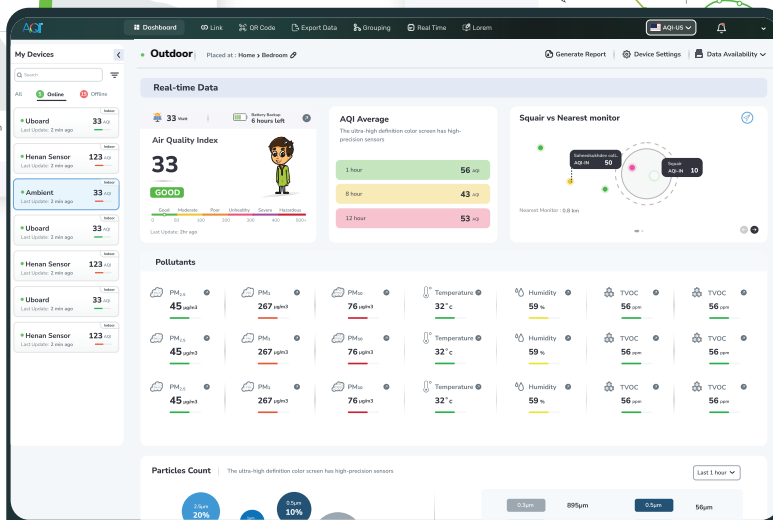
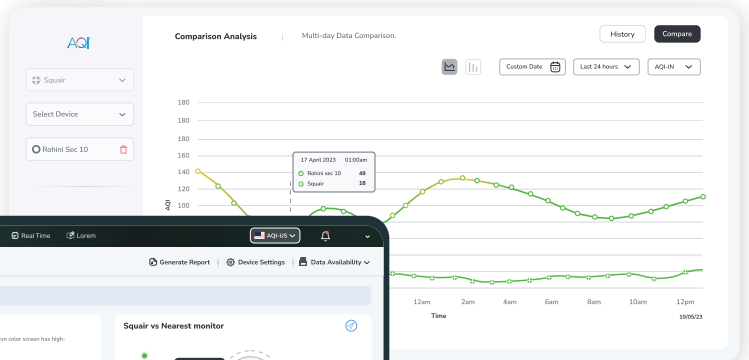
Filtration Score



Battery Graph



Historic Data



# Trusted By

We are honored to work with so many well-known market giants.





# Contact Us

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## To Know more

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