

# Ambient PM

## Air Quality Monitor

Compact, real-time ambient air quality monitor with robust sensors, industrial grade durability, and 24/7 connectivity for continuous outdoor monitoring.



## Qualitative Features

The Ambient Air Monitor is ideal for deployment in smart cities, urban roadsides, industrial areas, construction zones, and public spaces. It delivers real-time, scalable air quality insights and empowers informed environmental decisions anytime, anywhere.



Continuous Monitoring



Connectivity  
Wifi/GSM (optional)



RS-485  
Modbus



Rechargeable  
Battery



Mobile App  
& Dashboard



Cloud  
Storage



Micro SD  
Card Storage



IP68-rated  
Housing



GPS  
Enabled



Approved by  
BMC



Inbuilt Solar  
Controller



Display  
1inch

# Use Cases



Construction site



Pollution Control Boards



Hospital & Schools



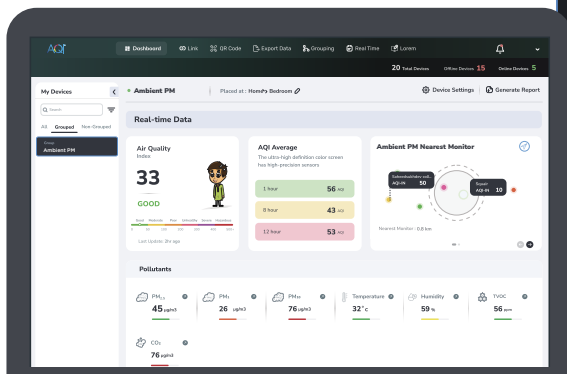
Research and development

## Data Accessibility



Monitor ambient air quality in real time through multiple platforms. Access data effortlessly via the mobile app (Android & iOS), web dashboard, or TV display.

### Web Dashboard



Real-time and Historic Data



Group your devices



Link Generation and QR Code



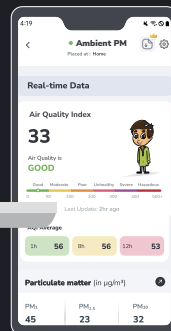
Export your device data



Set alerts for your devices



Manage your Admin roles



### Mobile App



AQI TV  
([www.aqi.tv](http://www.aqi.tv))



AQI Dashboard  
([www.aqi.in](http://www.aqi.in))



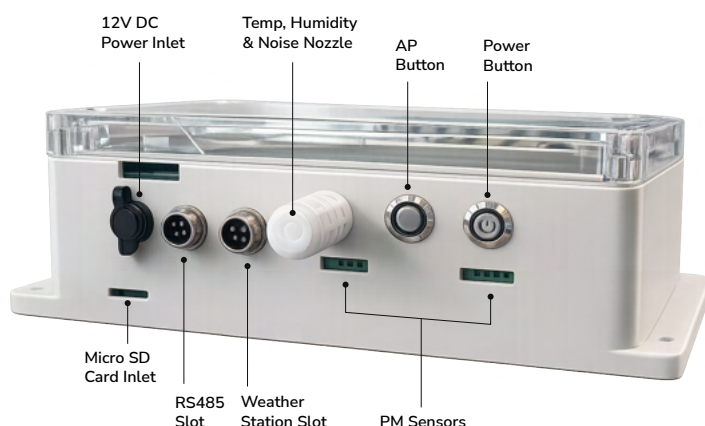
AQI Mobile App  
([www.aqi.app](http://www.aqi.app))

# Technical Specifications

Parameters	Sensor Type	Range	Resolution	Accuracy
PM10, PM2.5 & PM1	90° Light Scattering	0 to 1000µg/m <sup>3</sup>	1 µg/m <sup>3</sup>	±10% up to 150µg/m <sup>3</sup> ; ±15% above 150µg/m <sup>3</sup>
Temperature	RTD	-40 to 70 °C	0.1°C	±0.3°C
Humidity	Capacitive	0 to 100% RH	0.1% RH	±2% RH
TVOC	MEMS	0 to 65ppm	10ppb	±3%
Noise	MEMS	30-130dB	1dB	±2-3dB

# Device Specifications

<b>Power Supply</b> DC Power	<b>Onboard Storage</b> Micro SD Card	<b>Dimension</b> 24x12x7.5 (cm)	<b>Data Export</b> Yes
<b>Connectivity</b> Wifi/GSM/RS485	<b>Cloud Storage</b> Yes	<b>Housing</b> IP68	<b>Operating Temp</b> -10 °C to 60 °C
<b>Display</b> 1 inch (Approx)	<b>Mounting Type</b> Wall/Pole mount	<b>Web Dashboard</b> aqi.in	<b>Operating Humidity</b> 0-95% RH
<b>Battery</b> 10,000 mAh	<b>Weight</b> 650g	<b>Mobile App</b> AQI	<b>Data storage time interval</b> 10 Seconds to 1 Hour user selectable (in cloud version)



# Optional Accessories

## Solar Kit

30W solar panel with pole mounting hardware for uninterrupted, off-grid operation.



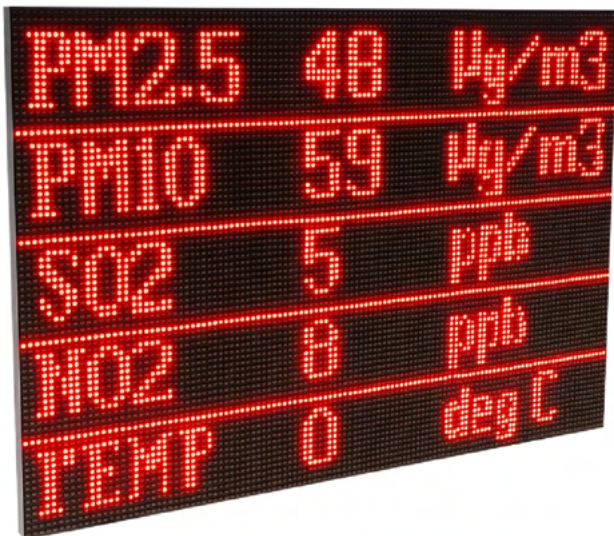
## Tripod stand

Adjustable tripod stand (up to 5 ft) offers quick, portable and stable installation.



## LED Display

Showcase real-time, average, and historical AQI data across city, state, or national levels via large-format LED screens, making it ideal for public awareness in urban spaces.



## Weather station

A compact add-on to capture key meteorological data supporting comprehensive environmental monitoring.

Parameters	Measurement Range	Resolution
Light Intensity	Up to 1,00,000 LUX	1 LUX
Temperature	-20 to 100°C	0.1°C
Humidity	0-100% RH	0.10% RH
Wind Speed	0-60 m/s	1 m/s
Wind Direction	0-360°	—
Rainfall	60 cm <sup>2</sup> (Collection area)	—
Gust speed	0-60 m/s	1 m/s
UV Index	0-13	1



# Successful API Integration

We are proud to announce the successful integration of our Air Quality Monitoring API across multiple government platforms, enabling real-time, and transparent environmental data access.



**DPCC**  
Delhi Pollution Control Committee



**RSPCB**  
Rajasthan State Pollution Control Board Dep



**UPPCB**  
Uttar Pradesh Pollution Control Board



**TMC**  
Thane Municipal Corporation



**HSPCB**  
Haryana State Pollution Control Board



**BMC**  
Brihanmumbai Municipal Corporation

## Trusted By



And Many More

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