Indoor AQM

When the device is powered on, the device intakes air samples at a predefined frequency through the air sampling system. Once the air sample is stabilized, the sensory system takes multiple readings during the sampling time and performs relevant data- processing. During this cycle time, the device flushes out old air sample and pulls in a fresh one. After each sampling, the data processing system sends the processed data to the central server using a built-in communication module.

Outdoor AQM

When the device is powered on, the device intakes air samples at a predefined frequency through the air sampling system. Once the air sample is stabilized, the sensory system takes multiple readings during the sampling time and performs relevant data- processing. During this cycle time, the device flushes out old air sample and pulls in a fresh one. After each sampling, the data processing system sends the processed data to the central server using a built-in communication module.

The instrument can be customised to monitor various air pollutants like Particulate Matter (PM10, PM2.5, PM1), Carbon Monoxide (CO), Sulphur dioxide (SO2), Oxides of Nitrogen (NOx), Volatile Organic Compounds (VOC), Carbon dioxide(Co2),Ozone(O3) and meteorological parameters like Temperature, Relative Humidity. The device comes with an inbuilt battery for uninterrupted air quality monitoring, and it can also be powered using solar power, making it viable for installation even in remote areas.

Wind Dirction | Wind Speed |Rain Count |Solar Radiation | PM2.5 | PM10 |
| PM1.0 | CO | SO2 | NO2 | O3 | NO | VOC | CO2|TEMP | RH | BP (Customizable)

AIR QUALITY MONITORING

We are doing Air Quality Network Monitoring for Spatial coverage of Air Quality Data & Hot Spot Identification for Community Network as well as industries We offer strong support for operation and maintenance of all the instruments in the field. We also provide technical maintenance training to professionals operating our instruments in the field. As per the terms of warranty, we will service or repair the defective components and instruments, provided they are within the coverage period and satisfy the conditions. Please connect with us for technical support and inquiry.

Features

Real Time Data

Machine Learning/A-Calibration

Wireless connectivity:
GSM, LORA, Wi-Fi,

Data Interval May be Consumable

Data transfer interval:
15-Seconds-30 minutes (configurable)

Internal data storage

Gps Location

LED Display

Accurate Data

Cloud Platform

Specifications

Optimum Humidity:0-95%

Weather Protection:IP64

Operating Temperature:-20 °C to 60 °C

Measurement unit:
PM Sensor-µg/m³|Gas Sensor-ppb

Material:ABS

Weight: 2.5 kg

Operating Voltage:12V 2A

Mounting Type:Pole Mounting
Unit|Wall Mounting Unit

Standby Connectivity:GSM
(2G/3G/4G) GPRS/IP

Variants

ID NAME	PARAMETERS	RANGE
NO2	Nitrogen-di-oxide	0 to 50 ppm
SO2	Sulfur-di-oxide	0 to 100 ppm
O3	Ozone	0 to 50 ppm
CO	Carbon Monoxide	0 to 2000 ppm
PM 10	Particulate Matter	0 to 1500 ug/m3
PM 2.5	Particulate Matter	0 to 1000 ug/m3
PM 1.0	Particulate Matter	0 to 1000 ug/m3
VOC	Volatile Organic Compounds	0 to 50 ppm
CO2	Corbon di-oxide	0 to 5000 ppm
NO	Nitric- oxide	0 to 50 ppm
Noise	Nitric- oxide	20 to 110 db
TEMP	Temperature	-40 to +85č
RH	Humidity	0-100%
BP	Barometric Pessure	300-1100 hPa

Case Studies

Goverment Hr.Sec.School Chennai   Schooll

Residential area Chennai   Residential area

Public area-Chennai   Comercial

We Provide Economical Solutions For Indor & Outdoor Air Quality Monitoring