



Aeron's iAQMs



OVERVIEW

Aeron's iAQMs device can be deployed in dense networks to monitor criteria pollutants, particles and noise pollution. It will provide real time data which can be used in identifying high pollution areas, informing public related authorities and identifying the source of pollution.

Device At a Glance

Easy to install and maintain • Consumes very less power • Operates in any environmental conditions • Data logging over cloud and on site • Site specific customization is possible • Easy to calibrate • Comes with desktop software and mobile app.

Features

- iAQMs provides the air pollutant data for PM₁₀, PM_{2.5}, CO, CO₂, NO₂, SO₂ and O₃.
- Weather data for temperature, humidity, pressure, wind speed and direction along with the noise and light.

TECHNICAL SPECIFICATIONS

| Pollutants / Gas | Range |
|-------------------|-------------------------|
| CO | 0-1000ppm |
| CO ₂ | 0-5000 ppm |
| O ₃ | 0-20ppm |
| NO ₂ | 0-20 ppm |
| SO ₂ | 0-100ppm |
| PM _{2.5} | 0-500 µg/m ³ |
| PM ₁₀ | 0-1000µg/m ³ |

| ENV Parameters | Range |
|-----------------|-------------------|
| Air temperature | -40 to 65 °C |
| Pressure | 500 to 1150 mBar |
| Humidity | 0% to 100% RH |
| Light | Up to 20000 lux |
| Noise | 134 db |
| Rainfall | 0.0 mm to 999.8mm |
| Wind speed | 1 - 300kmph |
| Wind Direction | 0 - 360deg |

Communication - GSM / 4G and WiFi

Weight - ~4 Kg, Dimensions—(LxWxH –25cm x 12 cm x 30cm)

Power Options—110/220 AC or 12DC (Solar power pack optional)

Physical construct—Highly Durable , IP6X category



APPLICATIONS

- Education and Information
- Hotspot identification and characterization
- Supplementary monitoring for Smart cities
- Industrial environment monitoring
- Construction site analysis

Please refer product datasheet for further information available on www.aeronsystems.com

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