

Smart Air Quality Monitoring System (CO2 Gas)



Wi-Fi based air quality monitoring system is a unique & versatile **Smart product**. It gives the user liberty to **remotely monitor** the room's air quality w.r.t gasses such as **CO2, Amonia, Alcohol, Smoke, CO, Acetona** OR Tolueno from **anywhere in the world** using their smart phones and/or through a centralized location through their desktops. Each smart device can be **configured via Mobile App** for a threshold value so that incase the set gas accumulation breaches the set value it send the **Alert notification** to the authorized user/s. The **easy to use** mobile app, provides a **dashboard** through which use remotely observe the gas accumulation of the room at a particular instance and also can view a **graphical report** for entire months period. The report can also be **exported to Excel** for further usage/record keeping.

Optionally this smart device can be connected with an **external Alarm system**, which can alert nearby people in case there is a breach of set temperature. This smart device can also get **integrated** with a **smart display** through which user can monitor the temperature from anywhere using a smart wall mount display.

This product is highly recommended for **Indoor Air Quality of Office, Cold Storage, Ware house etc.**

Smart Air Quality Monitoring System

Physical Specifications	
Part Number	IESMW5A1
Dimensions (mm)	94 x 50 x 30
Weight(g)	100
Mountable	Wall Mountable
Operating Specifications	
Operating Voltage	200 ~ 270 VAC
Operating Temperature	0 ~ 50 °C
Technical Specifications	
Communication	WiFi
Antenna	Inbuilt Chip Antenna
Sensor Specifications	
CO2 gas Range	400 PPM to 50,000 PPM
Ammonia gas Range	10 PPM to 300PPM
CO gas Range	10 PPM to 300PPM
Alcohol gas Range	10 PPM to 2000PPM
Acetona gas Range	10 PPM to 300PPM
Tolueno gas Range	10 PPM to 2000PPM
Relay Specification	
5 ampere potential free relay for Interfacing with External Sound Alarm or HVAC	
Enclosure	
ABS Mold	
Messaging	
MQTT (SSL Secured)	
Wiring Diagram	
Plug into any AC outlet with 220V AC	
Youtube Links	
https://youtu.be/L2jGmllEoG0 (Smart Air Quality Monitoring System Demo)	
https://youtu.be/vaip3K1qd0k (Using Sumona's Mobile App)	