

Color Code	AQI Value	Actions to Protect Your Health
Green	Good (0-50)	None.
Yellow	Moderate (51-100)	Unusually sensitive people should reduce prolonged or heavy exertion outdoors.
Orange	Unhealthy for Sensitive Groups (101-150)	Sensitive groups should reduce prolonged or heavy exertion outdoors: People with heart and lung disease Children and older adults People that are active outdoors
Red	Unhealthy (151-200)	Sensitive groups should avoid prolonged or heavy exertion outdoors. Everyone should reduce prolonged or heavy exertion outdoors.
Purple	Very Unhealthy (201-300)	Sensitive groups should avoid all physical activity outdoors. Everyone should avoid prolonged or heavy exertion outdoors.

AQI

Air Quality Index is being broadcasted on real-time basis along with the health index.

Level	Hygienic Rating	Recommendation	Exposure Limit	TVOC Concentration [ppb]
5 Unhealthy	Situation not acceptable	<ul style="list-style-type: none"> Use only if unavoidable Intense ventilation necessary 	hours	2000 - 5000
4 Poor	Major objections	<ul style="list-style-type: none"> Intensified ventilation / airing necessary Search for sources 	< 1 month	600 - 2000
3 Moderate	Some objections	<ul style="list-style-type: none"> Intensified ventilation / airing recommended Search for sources 	< 12 months	200 - 600
2 Good	No relevant objections	<ul style="list-style-type: none"> Ventilation / airing recommended 	No limit	60 - 200
1 Excellent	No objections	<ul style="list-style-type: none"> Target value 	No limit	0 - 60

VOC LIMITS

TVOC limits is being broadcasted on real-time basis along with the health index.

About Us

A pioneer in air quality management for corporates, data centers, hospitals n schools .

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Indoor Air Quality Monitor

Technical Guide



The RP-IAQ Indoor Air Quality Monitor features a simple-to-use, HMI touchscreen display along with Hexa-monitoring of indoor air quality parameters (PM2.5, PM10, carbon dioxide, volatile organic compounds, along with temperature and humidity). The monitor has been designed respective to ease of installation and handy in use/porting.



Respire Puro

Mounting the IAQ Monitor

Fix the monitor in an area where there is less temperature fluctuation and no vibrations. Place the monitor at least 8 – 10 feet away from any air intakes and outlets (AC ducts, vent ducts etc.)

Starting the IAQ Monitor

All the sensors are factory calibrated. The monitor will automatically initialize the operation with the default parameters. It will take 10-15 minutes to get the stable values. Go to system settings on the system to setup the device (date, time, Wi-Fi configuration).

Sensor Warm Up

The system is equipped with PM, CO₂, VOC & and temp & humidity sensor which requires a warm up time of 15+ minutes.

The sensors will auto-calibrate at STP (Standard temperature pressure and 30-70% of humidity).

Charging and Wi-Fi Settings

Li-ion battery pack of 11.1V, 4.4 Ah NMC batteries are used to power the system. Do not use charger other than the one provided along with the device (Note: Usage of power above than the permissible limits may lead to depletion or explosion of battery).

Into the Settings menu Select the Wi-Fi network and enter the password of your Wi-Fi to connect to your Wi-Fi network for wireless transfer of data for remote viewing of Indoor Air Quality parameters. Log on to <https://data.respirepuro.com> go to client login to enter your login id and password which shall be provided to you on request.

Getting Started with IAQ

Special points of interest:

Most screens include these navigation buttons at the top & bottom of the display:

> Press  button to return to home page.

> Press  button to save the entered value.

> Press  button to return back to previous page.

> Click on  button to view the strength as shown below:

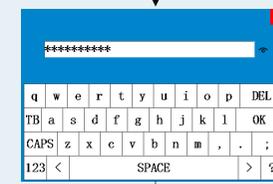
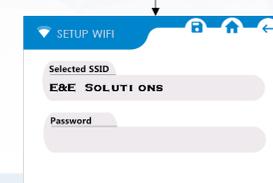
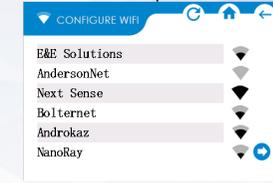
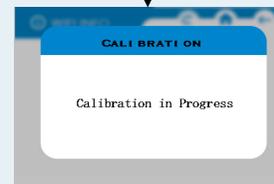
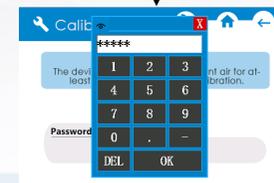
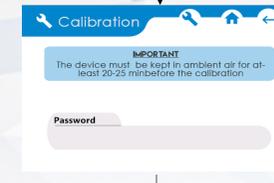
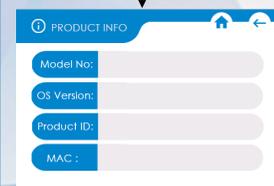


> Press  button to navigate to view extended Wi-Fi list.

> Click on  button to view the real-time AQI (Air Quality Index):



Initial Booting page at left, Menu page at the right.



Note: 1) The user's password, a four-digit number password (1234 by default) will allow the user to do the zero calibration of CO₂, if the reading is absurd (Follow the instructions as mentioned). 2) Initially, Set the clock before configuring Wi-Fi, as mentioned in the settings. 3) The Power ON switch is provided inside the right window of the Instrument. 4) Do not charge the battery more than 2-3 hours.