Congratulations!

You are about to take the first step to controlling the air you breathe!

The AirVisual Pro is a comprehensive solution to optimizing health and well-being through clean and fresh air.

By combining laser technology and artificial intelligence, your AirVisual Pro is able to deliver immediate and accurate air quality levels, as well as intuitive recommendations based on both your indoor and outdoor environments.

Use the AirVisual Pro to see invisible threats in your air and understand where they come from.

Learn more: airvisual.com
**WHAT IS PM2.5?**

PM2.5 refers to particulate matter in the air with a diameter of 2.5 micrometers or less. Due to its size, PM2.5 is considered the most hazardous pollutant to human health as it can be absorbed into the bloodstream via the lungs.

**SOURCES**

Outdoor: vehicles, wood burning, industrial activities and other forms of combustion.

Indoor: leaky windows and doors, stove top cooking, fireplaces, incense, cleaning products and fragrances.

**HEALTH RISKS**

Short term: eye and nose irritation, irregular heartbeats, chest pain and sore throat.

Long term: asthma, emphysema, lung damage, cancer, strokes, heart attacks and premature death.

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Temperature and humidity are often overlooked. Cold, dry environments, however, may cause respiratory irritations and eczema exacerbation, while overly humid environments can produce dust mites and mold.

The diagram below is a rough guide for explaining the relationship between temperature and humidity, and the long-term related effects.

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**Temperature & humidity**

- **Lung irritation; Eczema exacerbation; Ease of virus transmission**
- **Ideal level for comfort & health**
- **Dust mites**
- **Mold**

Temperature °C

Relative Humidity %

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Air Quality Index (AQI)

AQI, or Air Quality Index, is a system for reporting the severity of air quality levels in a way that is easy to understand.

The index ranges from 0 to 500, where higher index values indicate higher levels of air pollution.

AQI is computed in different ways around the world. The United States and China, however, represent the two most widely used AQI systems. Your AirVisual Pro supports both systems.

Chinese and USA AQI scales are comparable for values above 200. For lower values, the US AQI is more stringent.*

* AirVisual recommends following the US AQI.

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Air Quality Index (AQI) icons*

**Good**  
0 - 50  
Little to no health risk

**Moderate**  
51 - 100  
Sensitive individuals may experience irritations

**Unhealthy for Sensitive Groups**  
101 - 150  
Sensitive groups should limit outdoor exertion

**Unhealthy**  
151 - 200  
Harmful for sensitive groups, reduced outdoor activity for everyone

**Very Unhealthy**  
201 - 300  
Everyone can be affected, Avoid heavy outdoor activity

**Hazardous**  
301+  
Serious risks of respiratory effects. Everyone should avoid outdoor activities

* Following the US EPA Standards for Particle Pollution to calculate AQI  
**Sensitive groups include people with respiratory or heart disease, children and the elderly**
CO₂ introduction

WHAT IS CO₂?

CO₂ (carbon dioxide) is a naturally occurring, odorless gas that occurs outdoors in concentrations between 380 (rural) and 500 ppm (urban). Because humans exhale carbon dioxide (CO₂), concentrations of CO₂ in occupied indoor spaces are higher than concentrations outdoors. High CO₂ means you need fresh air!

SOURCES

Outdoors: burning fossil fuels, such as gas and oil - transport, industry, electricity generation

Indoors: human respiration

HEALTH RISKS

High CO₂ levels rarely cause long term health effects. In the short term, however, it is attributed to headaches, drowsiness, decreased productivity and difficulty concentrating. More importantly, high CO₂ is an indication of stagnant air which tends to have less oxygen, and more bacteria, mold and other harmful particles, like VOCs.

The fan and its color represent your indoor CO₂ levels. Any color beyond green is an indication to open your window to get clean, fresh air (assuming outdoor air is clean).

Good

CO₂ ≤ 700 ppm

Ideal comfort level

Unhealthy

1,501 - 2,500 ppm

Fatigue and reduced concentration

Moderate

701 - 1,000 ppm

May experience odors

Very Unhealthy

2,501 - 5,000 ppm

Headaches and adverse health effects expected

High

1,001 - 1,500 ppm

General drowsiness

Hazardous

5,001 - 10,000 ppm

Quickened breathing, nausea

Health effects valid for long term exposure

* ppm: Parts Per Million
AirVisual Pro controls

Power / Sleeping Mode / Back

- Switch the AirVisual Pro on/off with a 3-second press
- Enter/exit the device’s sleep mode with a quick press
- Go back in the menu settings with a quick press

Menu / OK

- Access your AirVisual Pro’s menu and settings
- Make selections in the menu

Up / Down / Left / Right

- Navigate through your AirVisual Pro’s settings
- Navigate between slideshow screens

Status bar

Get a quick overview of your air quality on the top of each screen.

OFFLINE DEVICE
(or no selected monitoring station)

- Humidity
- AQI
- Time
- CO₂
- Temperature

ONLINE DEVICE

- CO₂
- AQI
- Time
- Selected outdoor AQI
- Outdoor temp & weather
Familiarize yourself with the offline home screen. This display provides all the information you need to achieve the perfect balance of clean and fresh air.

When connected to Wi-Fi, the home screen display will shift so that the left side depicts collected AirVisual Pro data, and the right side depicts outdoor air quality information.
Indoor screen - online

This screen provides indoor air quality data including CO₂ concentration, temperature and humidity.

Forecast screen - online

Know before you go! Use the air pollution and weather forecast to guide your schedule of outdoor activities so that you can maximize comfort and well-being.
The recommendations screen provides practical insights to help optimize your health and comfort.

**Advice icons**
- Open your windows to bring in fresh, clean air
- Enjoy your outdoor activities
- Run an air purifier to lower indoor pollution
- Connected to Wi-Fi and the internet
- Connected to Wi-Fi but not to the internet
- Not connected to Wi-Fi
- Battery charging

**Advice text**
- Close your windows
- Avoid outdoor activities
- Wear a mask outside
- Not connected to Wi-Fi
- Battery charging
FAQs - Add an AirVisual Pro

How can I view my AirVisual Pro’s data remotely?

You can stay connected and view your AirVisual Pro’s readings anywhere, anytime by registering your AirVisual Pro on our dedicated data platform, powered by AirVisual. Registering your AirVisual Pro allows you to:

- Access your data on the go
- Control settings remotely
- Share your data with others

There are two ways to connect your AirVisual Pro:

AirVisual App: Select the + button in the app > ‘Add a Device’ > Follow the instructions

AirVisual.com: Select ‘Sign in’ on the menu bar
> Login with your email address and password
> Click on your name and then “Add a Device”
> Follow the instructions

FAQs - View PM2.5 concentration

How can I view PM2.5 concentrations?

If you wish, it is possible to display PM2.5 concentration along with AQI readings. To access this setting go to the main menu by pressing the ‘OK’ button, then navigate to Display > Units > AQI > ‘PM2.5 concentration’, select ‘Display’ > ‘Save and exit’.

You will now be able to view PM2.5 concentrations below the AQIs on your device’s home screen.
FAQs - Wi-Fi connection

How can I connect my AirVisual Pro to Wi-Fi?

The AirVisual Pro gives you the option to connect to Wi-Fi using either the device, or the mobile application (handy for users with private/hidden networks or long Wi-Fi passwords).

1) To setup Wi-Fi using the device click the ‘OK’ button and navigate to Network > Wi-Fi, and then select your desired network. Click the center "OK" button to arrive at the password screen.

2) To setup Wi-Fi using the AirVisual app click on the + icon in the app. Select "Configure my Device's Wi-Fi" and follow the instructions.

FAQs - Historical data

How can I download my AirVisual Pro's historical data?

Your AirVisual Pro's complete history of air quality data is available for download. This data can be used as you wish to gain further insight.

To access the data, first make sure your AirVisual Pro is connected to the local network (the same network as your computer), and then go to the settings menu by clicking the ‘OK’ button, and navigate to Network > Access Pro data

For more information and support, visit support.airvisual.com and read the article “Download the AirVisual Pro's data using Samba.”

How can I reset or clear data stored on the AirVisual Pro?

Air quality measurements are saved to your AirVisual Pro’s memory. At any time you can reset your AirVisual Pro to its factory settings to wipe this data.

To do so, go to the settings menu by clicking the ‘OK’ button and then navigate to About > Factory Reset. Choose the option “Reset settings & clear data.”

FAQs - Factory reset

Can I set the screen to switch on/off automatically?

Save energy and extend your sensor’s lifetime* by setting up the Auto power ON / OFF (sleep mode).

Go to the settings menu by clicking the ‘OK’ button, then navigate to Performance > Power saving. Adjust the times to when you want your AirVisual Pro to automatically power on and off. Click the “Save & exit” button when finished.

FAQs - Automatically switch on/off

* Your AirVisual Pro will continue to take measurements in sleep mode.
Where can I find my AirVisual Pro’s serial number?

You may be asked for your AirVisual Pro’s serial number either when activating your device or receiving help from AirVisual’s customer service.

Your serial number can be found in two places:
1) On a sticker on the back of your AirVisual Pro.
2) In the About settings. To find it, press the center menu button on your Pro, then go to About > Device info.

Tips for running an air quality experiment:

The AirVisual Pro is a great tool for running experiments. Here are a few friendly tips for getting started:

1) Take measurements continuously so that the AirVisual Pro reacts to changes in air quality within seconds. Go to Performance > Sensor mode and select ‘Continuous’.

2) Import your data to a spreadsheet to perform your analyses. For detailed instructions on this process visit airvisual.com/contact and read the article “Download the AirVisual Pro’s data using Samba”.

Device name: AIRVISUAL-ABCDEF
Version: 1.1662-KBG50F6
Serial Number: ABCDEF
Care & maintenance

**DO**

- Put the AirVisual Pro on a flat, stable surface
- Clean the AirVisual Pro using a slightly damp cloth
- Connect the AirVisual Pro to an electrical outlet
- Extend the sensor’s lifetime by using power saving mode

**DON’T**

- Expose to direct sunlight (even indoors)
- Expose to water (e.g. rain)
- The AirVisual Pro is not waterproof
- Expose to strong wind
- Expose to extreme heat (e.g. don’t place on a heater)

The Air Quality Community

AirVisual reports data for more than 10,000 locations worldwide. Yet, still many places lack local air quality monitoring stations.

By placing your AirVisual Pro outdoors you can become an air quality data source for your local community.

Together, we can raise air quality awareness and provide the global air quality data needed for people, businesses and governments to implement change. Visit us online for more information: [airvisual.com](http://airvisual.com)
Have a question about your AirVisual Pro? Contact us at airvisual.com/contact