

# AirVisual Pro



The AirVisual Pro is a high-accuracy, comprehensive air monitor, providing real-time measurements of PM2.5, CO2, temperature and humidity, and instant comparison of indoor and outdoor conditions via a clear 5" display screen.

As a Wi-Fi enabled and battery-powered device with data-logging capacity, and features and functionality specifically engineered for corporate applications, the Pro is ideal for building-wide, and mobile monitoring. It displays its data via a clear LED screen as well as remotely through the AirVisual app, website, customizable widgets and API.

The Pro benefits from an integrated platform with a global air quality dataset, reporting data for 9,000+ cities globally. It is the only air monitor to provide 3 day air quality forecasts, real-time and historic outdoor data, and plain text recommendations based on factors across the two

## Leading technology at your fingertips

Fine particulate matter is measured using an advanced light-scattering laser photo-sensor. The sensor's calibration function automatically compensates for changes in temperature and humidity, while the Pro's internal CPU applies artificial intelligence to eliminate outlying data points. Air-flow control fans carefully monitor air intake to ensure stable, reliable readings and improved durability, extending the lifespan of the sensor. The PM2.5 laser sensor is quiet, reliably creating zero disturbance.

The AirVisual Pro is an ideal monitoring device for applications in industrial/occupational air quality surveys, indoor air quality management and outdoor environmental monitoring.

## Features & benefits

- Bright 5" display compares indoor readings with outdoor data, from the nearest official station.\*
- Intuitive historical graphs for indoor and outdoor AQI, and CO2
- Three-day air quality forecasts driven by in-house artificial intelligence
- Outdoor weather data and forecast display
- Supplemental crowd-sourced map
- Tailored recommendations based on indoor and outdoor environments
- Free API access
- Option to publicize outdoor data
- Internal battery
- Website widget
- Integrated ecosystem servicing data access across the app, website and API

\*Outdoor pollution data available for select locations, see [airvisual.com/world](http://airvisual.com/world) for availability

# Specifications

Physical	Size	10 x 8.2 x 18.4 cm	Weight	670g	Screen	5" LED screen; 800x480 pixels; True color	Operational Range	0-40°C
	Electrical	Power Inputs			Battery			
Micro-USB charging cable 5V, 1A minimum Over-current protection for 3A Auto boot with power			Rechargeable Lithium-Ion battery 1900 mAh; 3-8 hours [depending on settings]					
Hardware	Sensors	Particulate Matter			Carbon Dioxide			
		Light scattering photo-sensor American & Chinese AQI output PM2.5: 0.3µm to 2.5µm PM10: 0.3µm to 10µm Concentration range: 0 to 1,798µg/m <sup>3</sup> Accuracy: ±10% Reaction time: 5 seconds			Non-dispersive infrared sensor (NDIR) Measurement range: 0 to 10,000ppm Accuracy: ±50ppm, ±3% of reading Calibration time: 2 weeks Lifetime: 10 years Matches LEED certification requirements			
	Wi-Fi	Temperature			Humidity			
		Measurement range: -10°C to +40°C; 14°F to +104°F			Measurement range: 0 to 95% RH, non-condensing			
Storage	Connectivity			Configuration				
	802.11 b/g/n 2.4ghz - WPA, WPA2, WEP High sensitivity antenna Auto-connect - unlimited Wi-Fi credentials Disable Wi-Fi feature			Configurable directly from the device, or remotely via the mobile app and AirVisual website				
Software	Memory				2 GB storage - sufficient for 3 years of continuous data			
	Data Handling			Data Download / Access				
	Hardened Linux platform suitable for enterprise network Robust cloud system with redundancy and scalability Security: encrypted data transfer			Detailed logs download with Samba protocol via Wi-Fi Access through Node API Download from AirVisual cloud*				
Software Settings	Time / Location							
	Time synchronization from internet; IP Geo-location; Time zone detection							
	Efficiency	Power Saving Modes			Data Acquisition Modes			
		+ Up to 2 time slots daily + Sleep mode after defined period of inactivity			+ Continuous measurements + Power saving mode for optimizing sensor life + Custom mode for setting defined intervals			
	Display	Screen Display Options			Languages			
+ Automatically rotate through slideshow + Manually click through slideshow + 6 levels of screen brightness			+ English + Chinese (simplified & traditional) + French + Korean					
AQI	Unit Selection			Indoor / Outdoor				
+ US or Chinese air quality indexes + Option to display PM2.5 concentration + Metric (°C) or Imperial (°F)			Outdoor location selection from more than 9,000+ cities in 70 countries					

\*Only available for Enterprise account users

