



## ablatum

/ab ˈ la ˈ tum/

verb

A latin word meaning to remove or carry away

### Measures 8 IAQ Parameters 24 x 7



PM<sub>10</sub>



PM<sub>2.5</sub>



CO<sub>2</sub>



VOC<sub>s</sub>



HCHO



AQI



HUMIDITY



TEMPERATURE

## ablatum air

### 8 in 1 indoor air quality monitor

**Breathing is the essence of life, but do we know what we are breathing?**

**The ablatum air empowers us to see the invisible harmful air pollutants, so we can breathe better and live better**

We spend approximately 90% of our time indoors, even though indoor pollutants are 5 x worse than outdoor air.

Clean air is essential to good health, but the human eye is incapable of seeing the innumerable harmful pollutants that we breathe.

The first step towards good health, is knowing what we are breathing. Knowing is better than wondering, and when you know better, you do better. The ablatum air gives you the vision, to see what is invisible to others and to take the necessary actions to inhale fresh, clean healthy air.

The ablatum air IAQ monitor uses the world's leading sensor technology to provide real time accurate readings of the indoor air quality 24 x 7, and can be used at work, home, school, bar, restaurant, store, hotel, gym, car, or any other indoor environment.

The ablatum air quality recordings can be viewed on its high resolution 3.7" diagonal TFT LCD screen, or by using the Tuya Smart App anywhere, anytime. The Tuya Smart App can simply be configured to provide notifications on your phone or smart watch when the indoor air quality exceeds international undesirable thresholds and can alert up to 20 people simultaneously. The TUYA Smart App also complies with the strict European GDPR Privacy Requirements and can seamlessly relate to other smart home devices.

The ablatum air complies with both the Well V2 and RESET (Grade B) standards for accredited monitors to help you achieve wellness and sustainability certification.

# Key Features of the *ablatum air*

- 8 in 1 indoor air quality monitor
- 7 x world leading sensors
- Precise measurements with 24-hour calibration
- Complies with **WELL and RESET (Grade B)** standards for accredited air quality monitor
- Wireless & Bluetooth for easy setup and installation
- Beautiful 3.7" diagonal TFT colour LCD screen
- TUYA Smart App with smart notifications for up to 20 people per device and meets European GDPR privacy standards
- Wall mount and desk stand
- Rechargeable built-in battery for travelling with 3 to 4 hours battery life
- IoT and smart home device connectivity



## TUYA Smart App

- Tuya smart app provides a real time dashboard on the status of the indoor air quality
- If the air quality deteriorates and exceeds the harmful levels as defined by international standards, a real time notification will be sent to you on your phone and/or smart watch
- Allowing you to know the quality of the indoor air you breathe, anytime, anywhere!

# 7 leading accurate Indoor Air Quality Sensors built in:

- ✓ CO2 (NDIR): 400-5000ppm (±50ppm + 6%)
- ✓ PM10: 0-999µg/m³
- ✓ PM2.5: 0-999µg/m³
- ✓ TVOC: 0-9999µg/m³
- ✓ HCHO: 0-6250µg/m³
- ✓ Temperature: 0-55°C(C/F switchable)
- ✓ Humidity: 0-99%
- ✓ AQI: shows overall Air Quality Index based on PM2.5 and the index is ranging from 0-99
- ✓ Smileys for displaying the CO2 Air Quality

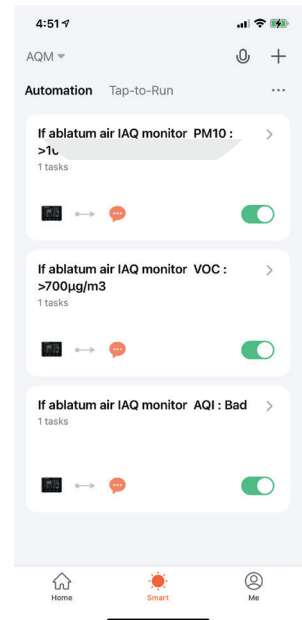
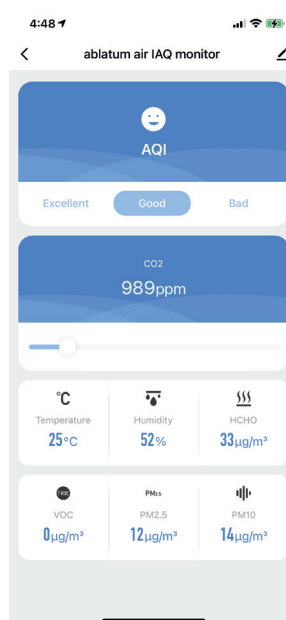
Good	Normal	Bad
400-999ppm	1,000-1,399ppm	>1,400ppm
	Alarm 5x every 2 min	Alarm 10x every 2 min

Complies with **WELL & RESET (Grade B)** standards for accredited air quality monitor



Real time dashboard

Real time notification



## Indoor pollutants and their effects on health

<b>Carbon Dioxide (CO<sub>2</sub>)</b>	<p>CO<sub>2</sub> can significantly impact productivity and decision making capabilities.</p> <p>Other affects include headaches, dizziness, difficulty breathing, sweating, tiredness, increased heart rate and elevated blood pressure</p>
<b>PM2.5</b>	<p>PM2.5 can get down into the deepest (alveolar) portions of the lungs where gas exchange occurs between the air and your blood stream. Exposure to high concentrations of PM2.5 can result in a number of health impacts ranging from coughing and wheezing, asthma attacks, bronchitis, high blood pressure, heart attack, strokes and premature death.</p>
<b>PM10</b>	<p>Similarly to PM2.5, exposure to high concentrations of PM10 can result in a number of health impacts ranging from coughing and wheezing, asthma attacks, bronchitis, high blood pressure, heart attack, strokes and premature death.</p>
<b>Volatile Organic Compounds (VOC)</b>	<p>Many VOCs cannot be detected by smell. They are often a prominent source of indoor air pollution affecting people's health and comfort. VOCs include a variety of chemicals that can cause eye, nose and throat irritation, shortness of breath, headaches, fatigue, nausea, dizziness and skin problems. Higher concentrations may cause irritation of the lungs, as well as damage to the liver, kidney, or central nervous system.</p>
<b>Formaldehyde (HCHO)</b>	<p>Low levels of exposure can cause irritation of the skin, eyes, nose, and throat. High levels of exposure may cause some types of cancers</p>
<b>Temperature</b>	<p>Impacts productivity, comfort, and general mood</p>
<b>Humidity</b>	<p>High levels of humidity can affect allergies and complicate respiratory diseases, as well as contribute to feeling low energy and lethargy</p>

## SPECIFICATIONS

### General Specifications

<b>Case Material</b>	ABS (fire retardant)
<b>Sensors</b>	CO2, PM2.5, PM10, TVOC, HCHO, Temperature & Relative Humidity
<b>Display</b>	3.6" (diagonal) TFT LCD
<b>Smart Application</b>	TUYA Smart Application
<b>Calibration</b>	24- hour calibration

### Connectivity

<b>Related power</b>	5W
<b>Working current</b>	5V/500mA
<b>Standby current</b>	< 3mA
<b>Power port</b>	5V/1A, Type C
<b>Battery</b>	Li-ion, 1200mAh
<b>Battery working time</b>	3 – 4 hours

### Connectivity

<b>WIFI</b>	IEEE802.11/b/g/n 2.4GHz
<b>Bluetooth</b>	BLE5.0
<b>Chipset</b>	TUYA CB3S WIFI & BT

### Dimensions & Weights

<b>Size (L x H X W) in cm</b>	12.3 x 8.6 x 3.2
<b>Weight</b>	0.21 kg
<b>Packaging</b>	Cardboard box
<b>Giftbox (L x H x W) in cm</b>	16.4 x 12.5 x 4.4
<b>Giftbox Weight</b>	0.36 kg
<b>Outer carton size (L x H x W) in cm</b>	46.5 x 34.5 x 27
<b>Outer carton quantity</b>	40 pcs





For more information about the **ablatum air AQI monitor** and our other products, please visit our website or contact us by email via:

**Website:** [www.thedigitalinfinity.com](http://www.thedigitalinfinity.com)

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