

THE AIR
YOU'RE
BREATHING,
IS SAFE?



INTRO



A STORY ABOUT Huma-i



Huma-i has thought about the major concerns of the mothers over and over, especially moms with small children, whose immune system is a little bit weak. One of their concerns is, definitely, to bring up their kids with safety and health.

However, the number of annual death by air pollution, unfortunately, is increasing every year.

According to WHO(World Health Organization), the number of death by indoor air pollution exceeds the number by outdoor air pollution. Now staying indoor is not safe anymore.

Here's solution by Huma-i.

Huma-i let the moms to see the invisible murderer, air pollution, by measuring air quality anytime and anywhere immediately. Huma-i will help mom & baby, at least from the polluted air, to live in a safe and healthy condition.



USEFUL TIPS FOR YOUR HEALTH

CO₂, VOC AND PARTICULATE MATTER

[FINE DUST & ULTRA-FINE DUST]

Carbon Dioxide (CO₂)

Carbon dioxide is a colorless, tasteless gas that is heavier than air and the gas itself shows little toxicity, but suffocation is possible. If the amount of carbon dioxide is higher than the amount of oxygen circulating in the brain, the respiratory disorder, headache, tinnitus, and blood pressure will rise.

450ppm or less	It is outdoor air in ordinary everyday life.
450-1000 ppm	The air is clear and there is no big trouble in breathing.
1000-2000ppm	The air becomes cloudy and sleepy.
2000-5000ppm	My head hurts, I get more sleep, I lose my concentration, my heart rate gets faster and I have a slight vomiting reaction.
5000ppm or more	It can lead to permanent brain damage and even death in severe cases.

VOC

VOC (Volatile Organic Compounds) is a hydrocarbon compound that volatilizes in the air and generates odor and ozone. VOC is mainly found in the manufacturing and storage processes of petrochemical refining coating plants, building materials such as automobile exhaust, paints and adhesives, and storage tanks of gas stations. Benzene, formaldehyde, toluene, xylene, ethylene, styrene, and acetaldehyde are part of VOC which is well known.

VOC is a toxic chemical with a carcinogen that causes damage to the nervous system through skin contact or breathing inhalation.

Particulate Matter

[Fine dust & Ultra-fine dust]

Fine dust is a very small material that is invisible to the naked eye. It is a particulate material with a diameter of 10µm or less that floats or floats in the air for a long time. When fossil fuels such as coal and petroleum are burned, it comes out.

The World Health Organization (WHO) has designated BC (black carbon) as a first-level carcinogen in diesel particulates. When exposed to fine dust for a long time, the immunity is rapidly lowered, and it can be exposed to various diseases such as cardiovascular diseases, skin diseases, eye diseases, as well as respiratory diseases such as colds, asthma and bronchitis. Ultra-fine dusts with a diameter of less than 2.5µm are particularly susceptible to penetration into the bronchi and deep into the lungs of the human body.



Internal fan continuously absorbs the air just around you to show the concentration in real time.

Portable Air Quality Monitor for CO₂, VOC, Particulate Matter, Temperature and Humidity

Huma-i BLACK

[HI-150]



Differentiated Design



Accurate Measurement and Convenient Portability



Specifications

Product	Portable Air Quality Monitor
Model No.	Huma-i Black (HI-150)
PM	Measurement range : 0~500 µg/m ³ (PM2.5 / PM10)
	Resolution : 1 µg/m ³
VOC	Measurement range : 0.000 ~ 10.000 ppm
	Resolution : 0.001 ppm
CO ₂	Measurement range : 400 ~ 10,000 ppm
	Resolution : 1 ppm
Power Supply	Li-Polymer Battery
Charge Mode	USB micro 5 Pin
Dimension	3.6×1.6×1.5 inches (91×41×37 mm)
Weight	0.13 pounds (60g)
Certifications	FCC CE

Portable Air Quality Monitor for VOC and Particulate Matter

Huma-i SKYBLUE

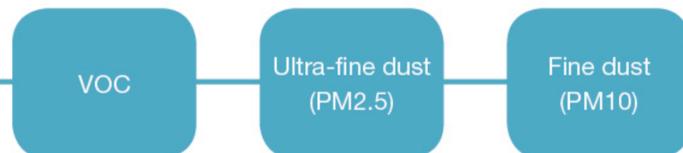
[HI-120]



Differentiated Design



Accurate Measurement and Convenient Portability



Specifications

Product	Portable Air Quality Monitor
Model No.	Huma-i Skyblue (HI-120)
PM	Measurement range : 0~500 $\mu\text{g}/\text{m}^3$ (PM2.5 / PM10)
	Resolution : 1 $\mu\text{g}/\text{m}^3$
VOC	Measurement range : 0.000 ~ 10.000 ppm
	Resolution : 0.001 ppm
Power Supply	Li-Polymer Battery
Charge Mode	USB micro 5 Pin
Dimension	3.6 × 1.6 × 1.5 inches (91 × 41 × 37 mm)
Weight	0.13 pounds (60g)
Certifications	FCC CE

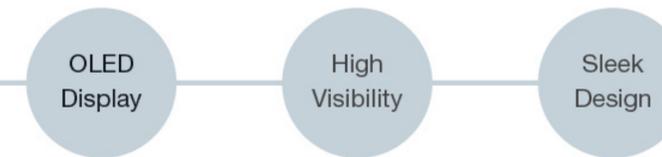
Portable Air Quality Monitor for Particulate Matter

Huma-i WHITE

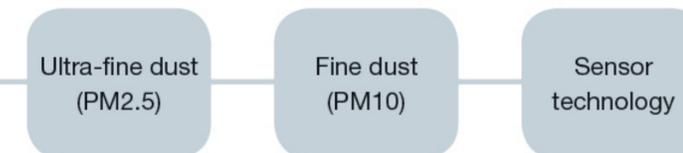
[HI-100]



Differentiated Design



Accurate Measurement and Convenient Portability



Specifications

Product	Portable Air Quality Monitor
Model No.	Huma-i White (HI-100)
PM	Measurement range : 0~500 $\mu\text{g}/\text{m}^3$ (PM2.5 / PM10)
	Resolution : 1 $\mu\text{g}/\text{m}^3$
Power Supply	Li-Polymer Battery
Charge Mode	USB micro 5 Pin
Dimension	3.6 × 1.6 × 1.5 inches (91 × 41 × 37 mm)
Weight	0.13 pounds (60g)
Certifications	FCC CE



Humatech Co., Ltd



21985, B1090, Bokhap-Munhwa Center, Incheon Global Campus,
Songdo Munhwa-ro 119, Yeonsu-Gu, Incheon, Korea



+82-32-272-4000



+82-32-272-4001



sales@humatech.co.kr



www.humatech.co.kr | www.huma-i.com

