



User Manual



Huma-i Skyblue (HI-120)

Portable air quality monitor, which measures
VOC, PM2.5 and PM10 with high accuracy

Introduction - Huma-i Skyblue (HI-120)

Thank you for purchasing our products.

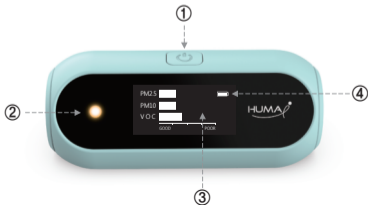
Huma-i Skyblue (HI-120) model is equipped with a VOC sensor to measure volatile organic compounds in real time. In addition, in-house designed built-in fine dust sensor module allows you to measure fine dust and ultra-fine dust as well.

You can check the air quality around you anytime and anywhere with Huma-i

*** What is VOC?

It is a carcinogen causing nervous system trouble through skin contact in the air or breathing inhalation. Benzene, formaldehyde, toluene, xylene, ethylene, and acetaldehyde are collectively called.

Main functions



- **Power and mode selection button**

- **Power Button**

If you press the button for 1 second, it will be in power-on state. It automatically switches to power-off state when not in use for 10 minutes to protect battery life.

The status LED will blink 1 minute before automatic power-off. At this time, if you press the button lightly, it will be switched on again for 10 minutes, and the mode will not change.

- **Mode Selection Button**

Each time you press the mode select button, the display mode changes cyclically in the following order.

Integrated Display Mode (PM2.5 / PM10 / VOC) => WHO Mode => PM Mode (PM2.5 / PM10) => VOC Mode

- **Status Light**

The status LED lets you know the status of VOC and fine dust/ultra-fine dust.

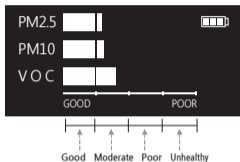


Unit of measure		Good	Moderate	Poor	Unhealthy
$\mu\text{g}/\text{m}^3$ (WHO Guideline)	ultra-fine dust	0~15	16~25	26~35	36~
	fine dust	0~30	31~50	51~70	71~
ppm (mg/m ³)	VOC	0.000 ~ 0.220	0.221 ~ 0.660	0.661 ~ 2.200	2.201 ~ 10.000

① Display mode

1) Integrated display mode

It is shown in a step-by-step graph so that air quality can be judged easier than difficult figures.



VOC, PM2.5 and PM10 can be viewed in one screen. Graph with 4 steps shows the air quality - good, moderate, poor and unhealthy

2) WHO mode (Icon mode)

You can easily recognize the good and poor state of find dust by 4 kinds of icons.

In this mode, it automatically displays the worst between PM2.5 and PM10.



Blue : **Good** air quality.



Green : **Moderate** air quality.



Yellow : **Poor** air quality.



Red : **Unhealthy** air quality.

3) PM (Particulate Matter) display mode: Simultaneously displays PM2.5 and PM10 measurement values.

4) VOC (Volatile Organic Compound) display mode

VOC concentration is displayed together with the PPM unit figures.

*** In case of VOC, the value is displayed after 15 ~ 60 seconds at power-on, after which the value is updated in every second.

④ Battery Status Display: This icon displays remaining battery status.

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	Rechargeable Li-Polymer Battery
Charge Mode	USB micro 5Pin
Dimension	3.6 X 1.6 X 1.5 inches (91 X 41 X 37mm)
Weight	0.13 pounds (60g)
Certification	FCC / CE

Limited Warranty

1. This device is a product that measures in real time while carrying when air quality measurement is needed.
The OLED display has good visibility, but if it is turned on continuously, a burn-in phenomenon may occur, so it is not recommended to use it continuously unless it is absolutely necessary.
2. Do not expose to direct sunlight or subject it to high temperature and high humidity.
It may change appearance or cause malfunction.
3. Do not use for long periods in high concentration fine dust environment.
Note that the measurement may not be smooth.
4. Do not disassemble the product if you're not an authorized engineer and/or a technician.
The disassembled products without authorization are out of warranty in any case.
5. Do not allow drinks or water to enter the product.
It may cause malfunction, electric shock or fire.
6. This product may cause errors depending on the environment (temperature, humidity, wind) and usage.
7. The measured values of this product are for personal use only and are not responsible for the manufacturer and the seller.



MADE IN KOREA