



# User Manual



## Huma-i White (HI-100)

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

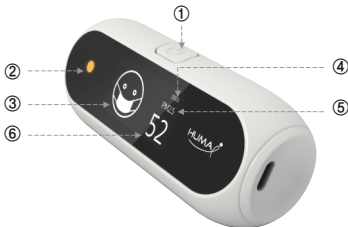
## Introduction Huma-i white (HI-100)

Thank you for purchasing our products.

Huma-i white (HI-100) model is a portable air quality monitor for particulate matter in real time. In-house designed built-in fine dust sensor module allows you to measure ultra-fine dust(PM2.5) and fine dust(PM10) at the same time.

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

## Main functions



## ① 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.

WHO Mode => Single Display Mode (PM2.5)

=> Dual Display Mode (PM2.5 & PM10)

## ② Status LED

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



Unit of measure		Good	Moderate	Poor	Unhealthy
μg/m <sup>3</sup> (WHO Guideline)	ultra-fine dust	0~15	16~25	26~35	36~
	fine dust	0~30	31~50	51~70	71~

### ③ Icon indicating fine dust concentration

4 kinds of icons, which indicate fine dust concentration, will help you to catch out easily fine dust concentration.



Blue : **Good** air quality.



Green : **Moderate** air quality.



Yellow : **Poor** air quality.



Red : **Unhealthy** air quality.

### ④ Battery status indicator

Icon shows remaining battery status.

### ⑤ Display mode

**WHO Mode (Icon Mode):** You can easily recognize the good and poor state of fine dust by 4 kinds of icons.

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

**Single Display Mode:** This mode displays PM2.5 measurement values.

**Dual Display Mode:** Simultaneously displays PM2.5 and PM10 measurement values in one screen.

### ⑥ Fine dust / ultra-fine dust density indication

Displays the concentration of fine dust (PM10) and ultra-fine dust (PM2.5).

## Specifications

Product	Portable Air Quality Monitor
Model No.	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	91 X 41 X 37mm (3.6 X 1.6 X 1.5 inches)
Weight	60g (0.13 pound)
Certification	CE FCC KC

## 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