

**THE AIR  
YOU'RE  
BREATHING IS  
SAFE?**





## About Huma-i

### The air, you're breathing, is safe?

Huma-i has continued to worry about what the main worries of mothers with young children with weak immunity. One of their main concerns is, needless to say, to keep their children safe and healthy.

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.

Huma-i let the moms to check and see the invisible murderer, air pollution, by measuring and managing 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.



# Huma-i smart (HI-300)

## Indoor Air Quality Monitor with a mobile app

Huma-i smart is equipped with a dedicated sensor for CO<sub>2</sub> (carbon dioxide) and VOC (volatile organic compounds), enabling accurate measurement of CO<sub>2</sub> and VOC in real time. In addition, PM1.0/PM2.5/PM10/Temperature/Humidity can be measured simultaneously in real time with precision.

Through the Wi-Fi network connection, you can check and manage various air quality anytime & anywhere with a mobile app. It will help you to improve the quality of life through the management of air quality data for the last 90 days.

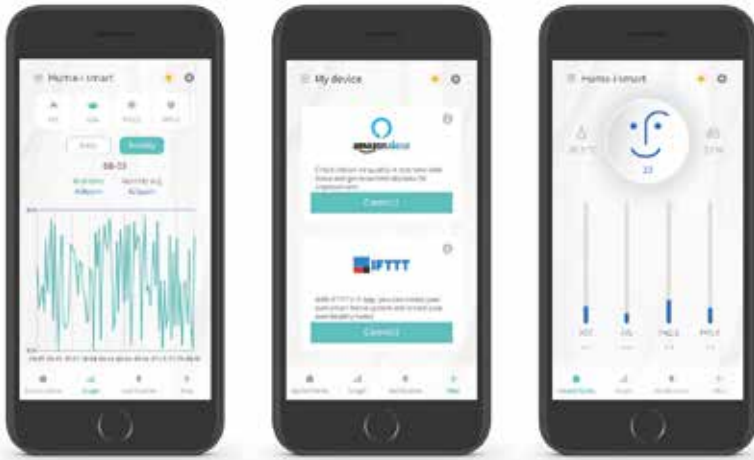
You can receive real-time notification of changes in air quality through push messages, and also provide accurate weather information.

## Specifications

Product	Indoor Air Quality Monitor
Model No	Huma-i smart (HI-300)
Measurement Range	CO <sub>2</sub> : 400 ~ 5,000ppm
	VOC: 0.000 ~ 9.999ppm
	PM1.0/PM2.5/PM10: 0 ~ 999 $\mu$ g/m <sup>3</sup>
	Temperature: -30 ~ 100 $^{\circ}$ C (-22 ~ 212 $^{\circ}$ F)
	Humidity: 0 ~ 99 %RH
Clock	AM/PM
Display	Customized LED display
Wi-Fi	2.4GHz only 802.11 b/g/n

App	Support Android and iOS
Power Adaptor	Input: AC 100/240V, 50/60HZ, USB-C
	Output: 5V/1A external power adaptor
Battery	Li-polymer @ 650mAh/3.7V
Operating Temperature	-10 ~ 60 $^{\circ}$ C (14 ~ 140 $^{\circ}$ F)
Storage Temperature	-25 ~ 60 $^{\circ}$ C (-13 ~ 140 $^{\circ}$ F)
Dimension	136 * 82 * 40mm(5.35 * 3.23 * 1.58 inches)
Weight	171g (6.03oz)
Certifications	CE FCC KC

## Huma-i app



- Requires 2.4GHz Wi-Fi
- Works with Android and iOS
- Connected with Amazon Alexa and IFTTT
- Shows VOC, CO<sub>2</sub>, fine dust (PM1.0/PM2.5/PM10), temperature and humidity in real time
- Able to extract the air quality data for the last 90 days as well as daily data
- Push message and alarm setting available

## Application



PUBLIC INSTITUTIONS



HOME



SCHOOL



HOSPITAL



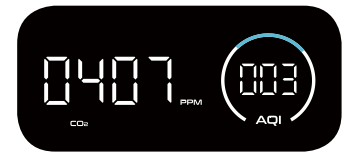
OFFICE



KINDERGARTEN



[ VOC ]



[ CO<sub>2</sub> ]

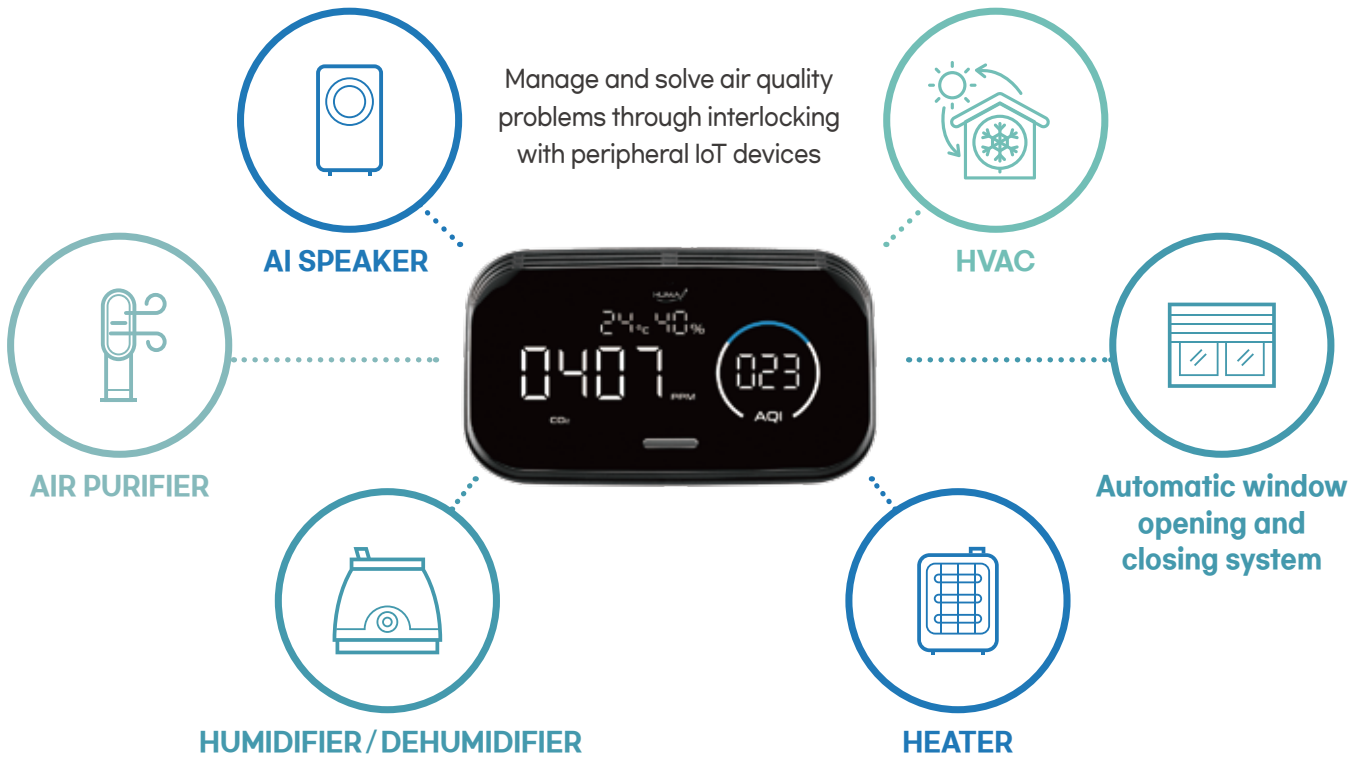


[ PM 2.5 ]



[ PM 1.0 ]

## Interlocking with peripheral IoT devices

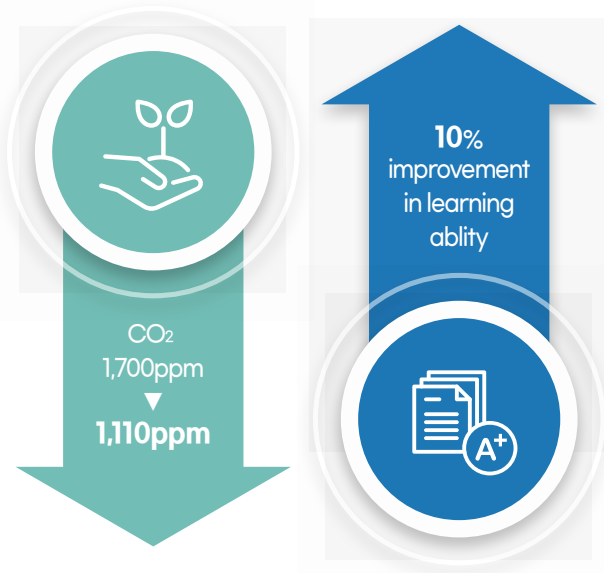


## CO<sub>2</sub> vs learning ability

Since most people spend a lot of time indoors, it is absolutely necessary to manage CO<sub>2</sub>, VOC and PM1.0/PM2.5/PM10, which are important elements for indoor air quality management. In particular, CO<sub>2</sub> is related to learning ability.

A Danish study lowered the maximum concentration of CO<sub>2</sub> from 1700ppm to 1100ppm and found that learning ability increased by 10%.

Lower CO<sub>2</sub> concentration to increase work ability and concentration as well as learning ability. In most cases, ventilation is the only way to reduce CO<sub>2</sub> concentration.



# Huma-i (HI-100/HI-120/HI-150)

## Portable Air Quality Monitors

Huma-i black is a portable air quality monitor, which measures CO<sub>2</sub>, VOC, PM2.5, PM10, Temperature and Humidity. Its excellent portability will help you measure air quality in real time anytime & anywhere. You can carry it with you at all times for the peace of mind you deserve.



## Specifications

	Huma-i black	Huma-i skyblue	Huma-i white
Product	Portable Air Quality Monitor		
Model No	HI-150	HI-120	HI-100
PM2.5 & PM10	0 ~ 500 $\mu$ g/m <sup>3</sup>	0 ~ 500 $\mu$ g/m <sup>3</sup>	0 ~ 500 $\mu$ g/m <sup>3</sup>
VOC	0.000 ~ 10.000ppm	0.000 ~ 10.000ppm	N/A
CO <sub>2</sub>	400 ~ 10,000ppm	N/A	N/A
Power Supply	Li-Polymer Battery		
Charge Mode	USB micro 5 Pin		
Operating Temperature	0 ~ 40°C (32 ~ 104°F)		
Storage Temperature	-20 ~ 60°C (-4 ~ 140°F)		
Dimension	91 X 41 X 37mm (3.6 X 1.6 X 1.5 inches)		
Weight	60g (0.13 pound)		
Certifications	CE FCC KC		



## Comparison Table

	CO <sub>2</sub>	VOC	PM2.5	PM10	Temperature	Humidity
HI-150	○	○	○	○	○	○
HI-120		○	○	○		
HI-100			○	○		

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