

# iAeris IAQ Detector

## Application

- Living room
- Lobby
- Hospital
- School
- Smart home
- Bedroom
- Office
- Station
- Department store
- Internet of Things

## Product Summary

The iAeris is the real time monitor of multiple indoor air quality indicator. This monitor can provide the status of temperature, humidity, CO<sub>2</sub>, CO, particulate matter (PM10), PM2.5, total volatile Organic compound (TVOC), formaldehyde (HCHO) and Ozone(O<sub>3</sub>) at the same time. The 7" touch TFTLCD panel can display the air quality directly and provide a simple and easy to use interface. The BLE4.0 and WiFi let the measured data can upload to the internet, the current and historical data can be accessed by web.

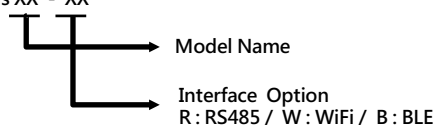
## Specification

Measurement Index	Temperature	Humidity	CO <sub>2</sub>	CO	PM2.5	PM10	TVOC	HCHO	OZONE
Operating range	-40~125 °C	0~100% RH	0~5,000 ppm	0~1,000 ppm	0~1000 µg/m <sup>3</sup>	0~1000 µg/m <sup>3</sup>	0.13~2.5 ppm	0.01~5 ppm	0~5 ppm
Resolution	0.1 °C	1%RH	1 ppm	1 ppm	1 µg/m <sup>3</sup>	1 µg/m <sup>3</sup>	0.01 ppm	0.01 ppm	0.01 ppm
Operating Principle	CMOSens	CMOSens	NDIR	Electrochemistry	Optics	Optics	MEMS	Electrochemistry	Electrochemistry
Response time	30 sec	30 sec	120 sec	60 sec	10 sec	10 sec	10 sec	30 sec	60 sec
Warmup time	60 sec	60 sec	60 sec	60 sec	300 sec	300 sec	300 sec	300 sec	600 sec
Sampling method	Real time								
Display	7 inches color TFT with touch function								
Data interface	RS485(Modbus-RTU) (option) / WiFi(Modbus-TCP & JSON) (option) / BLE4.0 (option) / 2 sets of Dry Contact								
Power	5V DC,2.0A								
Operating Env.	-10°C ~50°C, < 90%RH								
Size	233mm(L) x 159mm(W)x 46mm(H)								

## Model

	Temperature	Humidity	CO <sub>2</sub>	PM2.5	HCHO	PM10	TVOC	CO	OZONE
iAeris 11	✓	✓	✓						
iAeris 12	✓	✓	✓	✓					
iAeris 13	✓	✓	✓	✓	✓	✓			
iAeris 14	✓	✓	✓	✓	✓	✓	✓	✓	
iAeris 15	✓	✓	✓	✓	✓	✓	✓	✓	✓

iAeris XX - XX



Sysinno Technology Inc.  
17F.-7, No.27, Guanxin Rd.,Hsinchu City  
300, Taiwan (R.O.C.)  
Phone +886-3-5730550  
Fax +886-3-5799995  
service@sysinnotec.com  
www.sysinnotec.com