

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, CO₂, CO, particulate matter (PM₁₀), PM_{2.5}, total volatile Organic compound (TVOC) and formaldehyde (HCHO) 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.



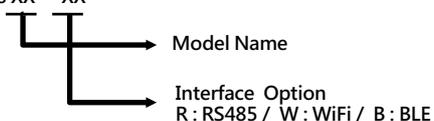
Specification

Measurement Index	Temperature	Humidity	CO ₂	CO	PM _{2.5}	PM ₁₀	TVOC	HCHO	OZONE
Operating range	-40~125 °C	0~100% RH	400~5,000 ppm	0~1,000 ppm	0~500 µg/m ³	0~500 µg/m ³	0.13~2.5 ppm	0.01~5.00 ppm	0~5.00 ppm
Resolution	0.1 °C	1%RH	1 ppm	1 ppm	1 µg/m ³	1 µg/m ³	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	< 30 sec	< 10 sec	< 10 sec	< 10 sec	< 30 sec	< 60 sec
Warmup time	< 60 sec				300 sec			< 90 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.	0°C ~50°C, < 90%RH								
Size	233mm(L) x 159mm(W)x 46mm(H)								

Model

	Temperature	Humidity	CO ₂	PM _{2.5}	HCHO	PM ₁₀	TVOC	CO	OZONE
iAeris 11	✓	✓	✓						
iAeris 12	✓	✓	✓	✓					
iAeris 13	✓	✓	✓	✓	✓	✓			
iAeris 14	✓	✓	✓	✓	✓	✓	✓	✓	
iAeris 14	✓	✓	✓	✓	✓	✓	✓		✓

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