

# BOAIR-CXVU01 Air Atmosphere Sensor

## Product Introduction



The BOAIR-CXVU01 is used to detect PM2.5, PM10, carbon dioxide (CO<sub>2</sub>), carbon monoxide (CO), formaldehyde (CH<sub>2</sub>O), temperature, humidity, TVOC, O<sub>2</sub> and other parameters in the air environment. Its functions are very powerful and basically cover various indicators reflecting air quality. The instrument uses imported sensors and operation chips, which have high accuracy, high resolution and good stability. It is widely used in building HVAC, building energy conservation, smart homes, schools, hospitals, airports, and stations.

## Specifications

### BOAIR-CXVU01

Detection Parameters	Detection Principles	Measurement Range	Value	Accuracy
Temperature	Bandgap temperature sensor	-40 ~ 80°C	0.1°C	±0.5°C
Humidity	Capacitive	0 ~ 100%RH	0.1%RH	±5%RH
PM1.0	Laser Optics	0 ~ 500ug/m <sup>3</sup>	1ug/m <sup>3</sup>	±10%
PM2.5	Laser Optics	0 ~ 1000ug/m <sup>3</sup>	1ug/m <sup>3</sup>	±10%
PM10	Laser Optics	0 ~ 2000ug/m <sup>3</sup>	1ug/m <sup>3</sup>	±10%
CO <sub>2</sub>	Non-dispersive Infrared	0 ~ 10000ppm	1ppm	±40ppm±3% Reading
TVOC	Metal Oxides	0 ~ 5.00mg/m <sup>3</sup>	0.01mg/m <sup>3</sup>	< ±15%
CO	Electrochemical principle	0 ~ 500ppm	1ppm	< ±3% F.S
Formaldehyde	Electrochemical principle	0 ~ 2.00ppm	0.01ppm	< ±0.05ppm
O <sub>2</sub>	Electrochemical principle	0 ~ 30.0%vol	0.1%vol	< ±3%F.S
H <sub>2</sub> S	Electrochemical principle	0 ~ 50ppm	0.01ppm	< ±5%