

Environmental Monitoring seven-in-one Sensor SA-2203A



Product Features:

- Exquisite structure, easy installation
- Seven kinds of testing equipment for continuous monitoring
- Built-in high-performance microprocessor
- High sensitivity and easy installation
- Superior performance and long-term stability

Product description

SA-2203A environmental monitoring sensor is a special sensor designed for environmental monitoring. The built in core sensors are all imported devices. The sensor can continuously monitor seven kinds of PM2.5/PM10 air quality concentration, atmospheric pressure, ambient temperature and humidity, carbon dioxide, TVOC, CH₂O, and each parameter value is converted into a MODBUS-RTU standard electrical signal and transmitted to the associated equipment.

Scope of application

- Breeding, greenhouse
- Climate and HVAC Signal Collection
- Scientific experiments and pharmaceutical and chemical industries, etc.

Technical Parameters

Function combination	Multifunctional environmental monitoring equipment: a comprehensive air quality sensor integrating CO ₂ , laser dust, temperature and humidity, TVOC and formaldehyde
Measuring range/accuracy	CO ₂ :400~2000ppm PM2.5/PM10: 0~1000ug/m ³ Temperature and humidity: temperature 0~60℃, humidity 0%~100%RH TVOC: 0~1000ppb CH ₂ O: 0~400ppb
Output signal	Rs485 output (Modbus protocol)
Supply voltage	5~36VDC

Operating temperature	0~50℃, 15%~90%RH (no condensation)
Power consumption	Average current <50mA
Device address	1~255 can be set
Device baud rate	2400, 4800, 9600, 19200, 38400, 57600, 115200 optional, default 9600
Byte format	1 start bit, 8 data bits, 1 stop bit, no parity
Electrical connections	Direct lead