



FN212
Indoor Air
Monitor

Overview

- Sensor measures PM2.5 particles using multiple directional light scattering principles, capable of detecting particles as small as 1.0 micron.
- Carbon dioxide (CO2) sensor operates on Non-Dispersive Infrared (NDIR) technology for indoor use.
- TVOC sensor measures volatile organic compounds in the environment where it is placed, such as formaldehyde, carbon monoxide, flammable gases, alcohol, ammonia, sulfides, benzene vapors, smoke, and other hazardous gases.
- It can be used in various locations or connected to WiFi to work with the Freshnergy Air Quality Platform, enabling air quality and dust levels to be monitored anywhere via a mobile application. The sensor data can also be used to control indoor air replenishment systems.

Applications

- Works with the Freshnergy Air Quality Platform
- Portable monitoring device
- Air quality monitoring stations
- Air quality control systems
- Air replenishing systems
- Smart home systems
- Schools
- Hospitals

Specifications

Measurement type	PM1.0,2.5,10	0-999 ug/m ³ ±(10µg/m ³ @0~100µg/m ³ , 10%@100~500µg/m ³)
	CO ₂	400-5000 ppm ±(50ppm+5% reading value)
	TVOC	0.00-99.99 ug/m ³ (50% F.S)
	Temperature	0-99 °c ±(0.2 °c)
	Humidity	0-99 %RH ±(2 %RH)
properties	Voltage	12 VDC 2A
	Communication	2.4 GHz WiFi
	Display	matrix led
Environmental conditions	Operating temperature	0°c to 60°c
	Humidity	10%~90%
	Dimensions	360x200x60 mm.