



FN210 Outdoor Air Partical Dust

Overview

Temperature and Humidity pm1.0 pm2.5 pm10 5-in-1 transmitter uses imported digital temperature and humidity sensor and pm2.5 sensor using laser scattering principle to detect dust particles in the air, and can detect 1.0 micron minimum. The particles have good consistency and stability. The production has been finely calibrated and the calibration data is stored in the internal memory. The sensor has a digital output and can be fully interchanged. It does not require complicated verification and calibration process. Excellent in measurement accuracy, linearity, repeatability, interchangeability, and consistency. It is designed with temperature compensation circuit and can be used under different ambient temperatures. The product integrates air temperature, air humidity, pm1.0, pm2.5, pm10 Five parameters, easy to use, very suitable for all kinds of fields that need to measure temperature and humidity and pm1.0, pm2.5, pm10 concentration

Application

- Weather stations
- Medical and health
- Air quality monitoring
- Fresh air system
- Smart home
- Schools
- Hospitals

Technical specifications

Measurement	Temperature	0-99 °c
	Humidity	0-99 %
	PM1.0,2.5,10	0-999 ug/m ³
Physical	Input Voltage	7-24 VDC
	Interface	RS485,WiFi,LoRa
	PM1.0,2.5,10	0-999 ug/m ³
	Fan control	> 50 Unit by LoRa
	Display	matrix led
Environmental	Operating Temperature	0°C to 60°C
	Humidity	5%~95%

