



Description

It is a particle concentration transmitter that can be used for PM2.5 or PM10 concentration monitoring.

Feature

- * Using the principle of laser scattering measurement, sieving through the unique data dual-frequency acquisition technology, the number of particles with equivalent particle diameters per unit volume can be obtained, and the mass concentration of particulate matter with equivalent particle diameters per unit volume can be calculated by a unique scientific algorithm.
- * Use the ModBus-RTU protocol to output data through the RS-485 interface; support the standard ModBus-RTU communication protocol, which is convenient for access.
- * Measuring range: 0-1000ug/m³, resolution: 1ug/m³.
- * Support PM2.5 and PM10 simultaneous output.
- * Using unique dual-frequency data acquisition and auto calibration technology, the consistency is up to $\pm 10\%$.
- * Advanced laser anti-attenuation technology is adopted to ensure the long-term stability of the equipment.

Specification

Model	TS-9211PM
DC power supply (default)	10~30V DC
Power consumption	0.5W
Transmitter circuit operating temperature	20°C~+60°C, 0%~80%RH, no condensation
Communication interface	485 communication (modbus) protocol
Baud rate	2400, 4800 (default), 9600
Data bit length	8 bits
Parity mode	None
Stop bit length	1 bit
Default ModBus communication address	1
Function code	03
Parameter settings	Configure through the 485 interface with the provided configuration software
Resolution	1ug/m ³
Precision	$\pm 10\%$
Measuring range PM2.5	0~1000ug/m ³
Measuring range Pm10	0~1000ug/m ³
Response speed	$\leq 90S$
Preheat time	$\leq 2min$
Dimension	110×85×44mm
Installation box	$\Phi 220 \times 168mm$ (pin 69)