

SSR-PM

Air quality (PM2.5/PM10) Transmitter

Overview

SSR-PM is an industrial transmitter universal particle concentration, measured using laser light scattering principle, the unique data acquisition technology dual sieved particles obtained number of particles per unit volume equivalent particle diameter, and a unique scientific the algorithm calculates the concentration of particulate matter per unit volume equivalent particle diameter, and is output via data interface 485 ModBus-RTU protocol. It can be used for monitoring the concentration of PM10 or PM2.5 need a place outdoor weather, dust monitoring, libraries, archives, and other industrial plants.



Features

- Range: 0-6000ug/m³, the resolution: 1ug/m³;
- PM2.5, PM10 simultaneous output;
- Unique dual automatic data acquisition and calibration techniques, consistency of up to $\pm 10\%$;
- The use of advanced laser anti-attenuation technology to ensure long-term stability of equipment;
- ModBus-RTU standard communication protocol, easy access;
- Standard wire length: 5 meter.

Specification

Power supply	AC 100~240V 50/60Hz	
Power Adapter	DC12V 2A	
Circuit operating temperature	-20°C~+60°C , 0%RH~80%RH	
Communication interface	485 (modbus) protocol Baud Rate: 2400, 4800 (default), 9600	
Parameter settings	Be configured with software provided by the configuration 485	
Resolution	1ug/m3	
Accuracy	±10%	
Baud rate	1200 bit/s, 2400 bit/s, 4800 bit/s, 9600 bit/s, 19200 bit/s	
Measuring range	PM2.5	0~6000ug/m3
	PM10	0~6000ug/m3
Response speed	≤90S	
Warm up time	≤2min	

Dimension

