

Remote Particle Counter PMS 21/ 31



Description

High-precision particle counter, specifically designed to provide solutions for the high-purity monitoring industry.

Features

- Multi-channel Particle Size Monitoring**
 Capable of simultaneously monitoring particle size data across seven channels: 0.3µm, 0.5µm, 0.7µm, 1µm, 2.5µm, 5µm, and 10µm. The sampling time is adjustable.
- Built-in Vacuum Source**
 Equipped with a built-in 2.83L/min air pump.
- Easy Integration**
 Industrial standard interface for easier installation.
- Strong Interference Resistance**
 Precision all-metal construction ensures stable operation in various environments.
- Operational Reliability**
 Equipped with industrial-grade laser and other core components, with an operational lifespan of approximately 20,000 hours.
- Accurate Calibration**
 Complies with ISO 21501 and JJF 1190-2008 standards, and holds CE certification.

Technical Parameter Table

Model	PMS 21	PMS 31	Note
Particle Size Range	0.3μm, 0.5μm, 0.7μm, 1.0μm, 2.5μm, 5.0μm, 10μm		/
Accuracy	0.3μm: 50%; ≥0.5μm: 100%		/
Resolution	1P/L		/
Flow Rate	2.83L/min	28.3L/min	Accuracy ±5%
Vacuum Source	Built-in Air Pump		/
Principle	Light Scattering Method		/
Laser Source	Long Life Laser Diode 50mW, 780nm		/
Alarm Mode	Indicator Light		/
Sampling Time	Adjustable, 10 Seconds or More		/
Holding Time	6 ~ 9999s		/
Communication Method	RS-485		Modbus RTU
Data Export	USB		/
Operating Temperature	0 ~ 50°C		/
Storage Temperature	-20 ~ 60°C		/
Operating Voltage	DC 12 ~ 24V	DC 24V	/
Operating Current	300mA (24V)	1500mA	Average Current
Screen Display	5-inch TFT Screen		/
Dimension	192mm x 135mm x 82.5mm	192mm x 166mm x 92.5mm	Excluding air inlet/ outlet and terminal dimensions.

Application Scenario



Filter Test

Filter Material
TestClean Room
MonitoringIndoor Air
Quality MonitoringIndustrial
MeasurementQA
Department