

Remote Particle Counter

PMS 21 & 31

- Multi-channel Particle Size Monitoring**
 Simultaneously monitoring particle size data across seven channels: 0.3 μ m, 0.5 μ m, 0.7 μ m, 1 μ m, 2.5 μ m, 5 μ m, and 10 μ m.
- Built-in Vacuum Source**
 Equipped with a built-in 2.83L/min or 28.3L/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 JJF1190-2008 standards.



Product	PMS 21	PMS 31
Particle Size Range	0.3 μ m, 0.5 μ m, 0.7 μ m, 1.0 μ m, 2.5 μ m, 5.0 μ m, 10 μ m	
Accuracy	0.3 μ m: 50%; \geq 0.5 μ m: 100%	
Resolution	1P/L	
Flow Rate	2.83L/min (Accuracy \pm 5%)	28.3L/min (Accuracy \pm 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	
Communication Method	RS485 (Modbus RTU)	
Storage Temperature	-20 ~ 60°C	
Operating Voltage	DC 12 ~ 24V	DC 24V
Operating Temperature	0 ~ 50°C	
Operating Current	800mA (Average Current)	3500mA (Average Current)
Screen Display	5-inch TFT Screen	
Dimension (Excluding air inlet/outlet and terminal dimensions)	120mm x 180mm x 80mm	290mm x 180mm x 100mm

Why Choose Temtop

Temtop Environmental Technology Co., Ltd, a subsidiary of Elitech Technology, Inc. in the United States, specializes in optical scattering particle sensor technology and environmental monitoring instruments providing one-stop particulate matter monitoring solutions worldwide.



10+ years

10+ years R&D in PM2.5 sensor



1,000,000+ Customers

The choice of 1,000,000+ customers



Based USA

From California, Innovation Preceding All



200+ R&D Engineers

Our company has 200+ R&D Engineers who create innovative solutions.

Model	PMD 331	PMD 351	PMD 371	PMB Series	PMS 21&31	AIRING-2000
0.3µm	✓	—	✓	✓	✓	✓
0.5µm	✓	—	✓	✓	✓	✓
0.7µm	✓	—	✓	✓	✓	—
1.0µm	✓	—	✓	✓	✓	✓
2.5µm	✓	—	✓	✓	✓	—
5.0µm	✓	—	✓	✓	✓	—
10µm	✓	—	✓	✓	✓	—
PM1	—	✓	✓	—	—	—
PM2.5	—	✓	✓	—	—	✓
PM4	—	✓	✓	—	—	—
PM10	—	✓	✓	—	—	✓
TSP	—	✓	✓	—	—	✓
Temperature & Humidity	—	—	—	—	—	✓

Service and Support

Temtop provides comprehensive service and support including global warranty, technical assistance, and software & cloud solutions.

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