

Fan-type Laser PM Sensor

PM 300/500

- Multi-particle Concentration Monitoring**

High-performance laser module for accurate measurement of PM1, PM2.5 and PM10

- Quick Installation**

Embedded interface for quick and easy integration and installation.

- More Resistant to Interference**

Six-sided fully enclosed metal body for better interference resistance.

- Easy to Use**

Multiple inlet and outlet directions, and multiple communication methods can be customized for a wider range of applications.

- Durable and Long-lasting**

Made of industrial-grade components, it can run for up to 30,000 hours or more.



Product	PM 300	PM 500
Particle Size Range	PM1, PM2.5, PM10	
Measurement Range	0~999µg/m³	
Accuracy	±10µg/m³(0~100µg/m³); ±10%(>100µg/m³)	
Resolution	1µg/m³	
Flow Rate	0.1L/min	
Measurement Principle	Light Scattering	
Laser Source	5mW, 650nm	
Sampling Time	<1.5 sec	
Communication Interface	UART (TTL 3.3V)	
Working Voltage	DC 5V±0.1V	
Working Current	<100mA	
Lifespan	>30,000 hours	
Enclosed Fuselage	Semi-closed on All Sides	Fully Enclosed on Six Sides
Air Inlet/Outlet	Side inlet/outlet (different direction)	
Dimension	50mm x 43mm x 20mm	42.4mm x 35.4mm x 42.3mm

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	PM1	PM2.5	PM10	TSP	VOC	Temperature	Humidity
PM 1T	—	✓	✓	—	—	✓	✓
PM 2T	—	✓	✓	—	✓	✓	✓
PM 200	✓	✓	✓	—	—	—	—
PM 300	✓	✓	✓	—	—	—	—
PM 500	✓	✓	✓	—	—	—	—
PM 900 Series	✓	✓	✓	—	—	—	—
PMS 10	✓	✓	✓	✓	—	—	—
PMS 12	✓	✓	✓	✓	—	—	—
PMS 16 Series	✓	✓	✓	✓	—	—	—
PMS 20	✓	✓	✓	✓	—	—	—
PMS 1600 Series	—	—	✓	✓	—	—	—
PMV 10/100	✓	✓	✓	—	—	—	—

Service and Support

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

Email: business@temtopus.com
Website: www.temtopus.com/business