

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**

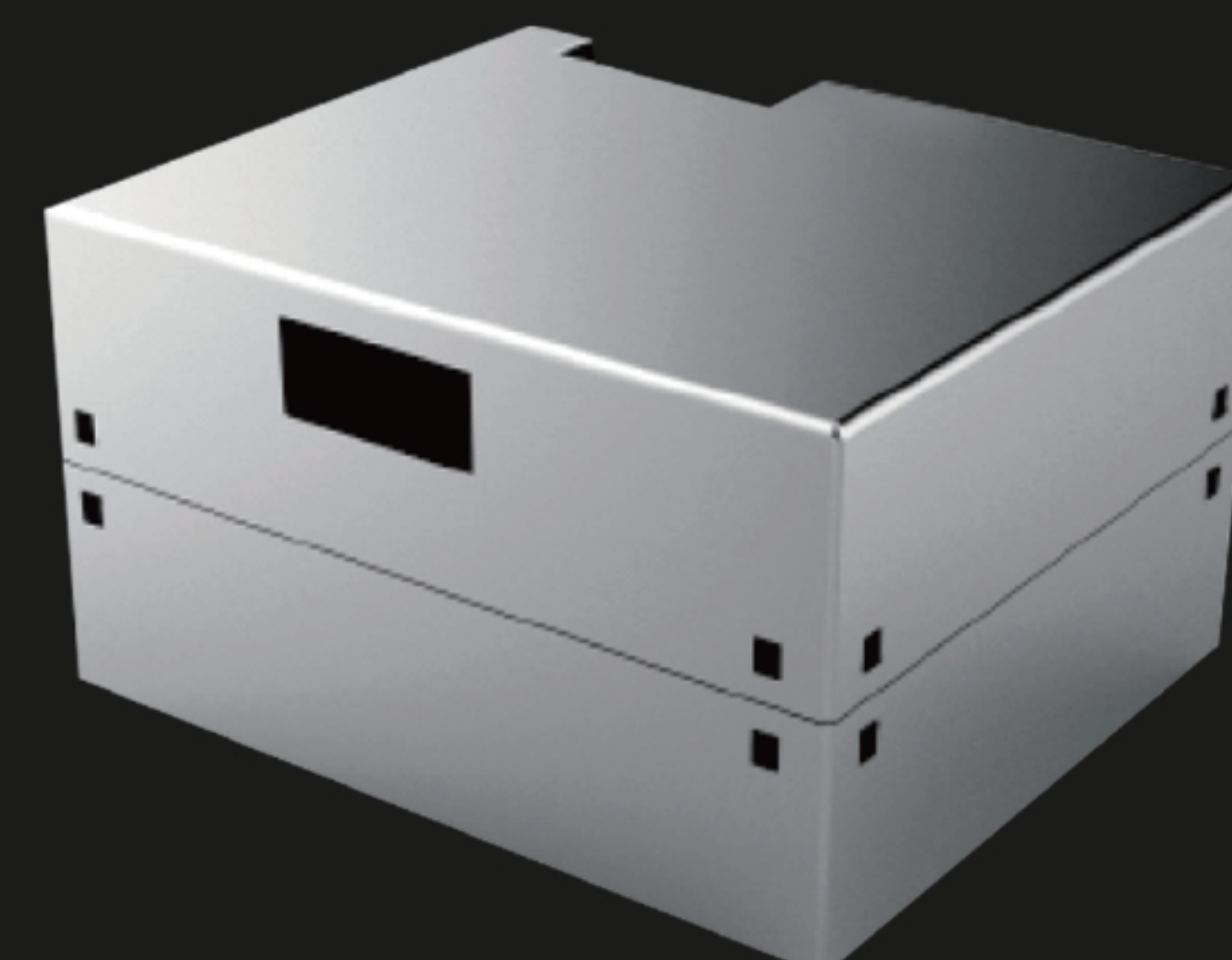
Six-sided fully enclosed metal body for better interference resistance.

- **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	0~999 $\mu\text{g}/\text{m}^3$	
Accuracy	$\pm 10\mu\text{g}/\text{m}^3$ (0~100 $\mu\text{g}/\text{m}^3$); $\pm 10\%$ (>100 $\mu\text{g}/\text{m}^3$)	
Resolution	1 $\mu\text{g}/\text{m}^3$	
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 \pm 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.

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