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Ask An Expert

Temtop PMD 351 Aerosol Monitor Handheld Particle Counter, PM1.0, PM2.5, PM4.0, PM10,TSP Monitor

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Product SKU: PMD 351 + M2000C 2ND

~~£1,968.00~~ **£1,299.00**

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DESCRIPTION



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Particulate Monitoring Expert

PMD 351 Handheld Aerosol Monitor

10 Years in Particulate Monitoring

PM1.0

PM2.5

PM4.0

PM10

TSP

PMD 351 is a small, light, and battery-powered aerosol (mass) monitor with five channels for simultaneous detection of PM1.0, PM2.5, PM4.0, PM10, and TSP(Total SuspendedParticles) mass concentrations.

Temtop Laser PM sensor

Based on the MIE scattering principle

When the outside air passes through the light collection chamber, the particles in the sampled gas are scattered by the light beam. The photoelectric collection unit converts the scattered light signal into a voltage pulse signal, which is pre-amplified and converted into a digital signal after AD conversion. The threshold value of particle scattering intensity is calibrated by the calibration material, so as to obtain the optically equivalent particle size distribution, and finally determine the particle mass concentration in the test environment.

Flow Rate:

Pump from Fürget

(0.1CFM/2.83LPM,±5%)

Exhaust:

Filter from Parker

(Can be purchased separately)

With a large display screen and seven buttons for operation, the monitor is simple and efficient, suitable for fast detection in multiple scenarios. The internal high-performance lithium battery allows the monitor to run continuously for 8 hours. PMD 351 also has a built-in 8GB large-capacity storage and supports two communication modes: USB and RS-485. The detected data can be viewed directly on the screen or exported through the USB port for analysis.

The following two self-calibration modes are supported

Flow Calibration

Zero Calibration

8hrs Battery Life

Perfect for on-site monitoring

8GB Memory

Built-in 2000,000 sets of data storage capacity

USB

Export data via U-disk directly

RS-485

Realize real-time interaction

Temtop PMD 351 Parameter

Particle Diameter	PM1.0, PM2.5, PM4.0, PM10,TSP
Measure Range	0~1000 ug/m3
Accuracy	±10%
Resolution	0.1 ug/m3
Principle	Light scattering technique
Light Source	50mW, 780nm
Time	1 min
	2.83 L/min

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Communication	USB/KS-232(old version);KS-485(new version)
Memory	2,000,000 reading
Battery	Rechargeable lithium battery
Charing Time	3.5h
Operating Time	8h
Operating Temperature	0~50 ℃
Storage Temperature	-20~60 ℃
Monitor Dimension	170×110×48 mm
Weight	850g



## Temtop PMD 351 Package

- PMD 351 & PU Protective Case
- Battery Charge
- RS-485 Series Converter Cable
- AC Power Cord
- Filter Tube
- PMD 351 User Manual
- Carrying Case
- USB Flash Drive

## Temtop PMD 351 Related Documents

[Temtop PMD 351 Particle Counter User Manual](#)

[Temtop PMD-351 Particle Counter CE Certification](#)

## CUSTOMER REVIEWS & QUESTIONS

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