

VE
VASTHI
INSTRUMENTS

**Model :
Vair-3000
Series**



**PM 10 &
PM 2.5,
PM 1**

**VASTHI's
Laser Scattering Method
for PM 10, PM 2.5 & PM 1**

Over View :

Dust Online Monitoring System (Model: Vair-3000 Series) can online measure PM Concentration (including TSP, PM10, PM 2.5 & PM 1) surrounding noise as well as five meteorological parameters, Process monitored data and upload the result to server via GPRS/Network, thus realizing multi-mode intelligent management of online monitoring, analysis and forecast.



Laser Scattering Method For PM10, PM 2.5 & PM 1

Features:

1. Automatic compensation of zero drift
2. Automatically save current measured data if sudden power cut happens and return to previous working state as soon as power restores
3. Equipped with internal heating device for automatic air dehumidification
4. SD card saves test data automatically, which can be exported via card reader
5. Adopt Laser Forward Scattering Principle, lower detection limit can reach $1\mu\text{g}/\text{m}^3$.
6. Long Service life, continuous and automatic operation, simple and convenient installation & maintenance.
7. 4.3-inch HD industrial touch screen, convenient for operation
8. Wireless transmission, data are stored to cloud for clients to view.

Technical Specifications:

Particulate Matter Measurement Module	
☞ Working Principle	Laser Scattering Measurement
☞ Measuring Object	PM (PM 2.5 or PM 10 or TSP)
☞ Optical characteristics	Working Wavelength: (650±20) nm
☞ Power	AC230V, 50Hz
☞ Working environment	Working temperature: -20°C+55°C
☞ Communication	RS485, RS232, GPRS
☞ Performance	Measuring Range: 0-5mg/m ³ to 30mg/m ³ (Optional)
	Zero drift: ±2% F. S./24H
	Span drift: ±2% F. S./24H
	Indication error: ±20%
	Response time ≤10s



VASTHI INSTRUMENTS

Plot no:21&22, Block no:24, Phase-IV
Auto Nagar, Guntur-522001. Andhra Pradesh, India.
Tel: +91 738 2708 685, +91 7337418685
web: www.vasthi.com, E:info@vasthi.com.