

*Compact, Light, Low Cost*

**For PM2.5**

# **PM Sensor PMS1**



**PM Sensor achieves high correlation  
with Federal Equivalent Method (FEM)  
registered by Environmental  
Protect Agency (EPA) in U.S.**

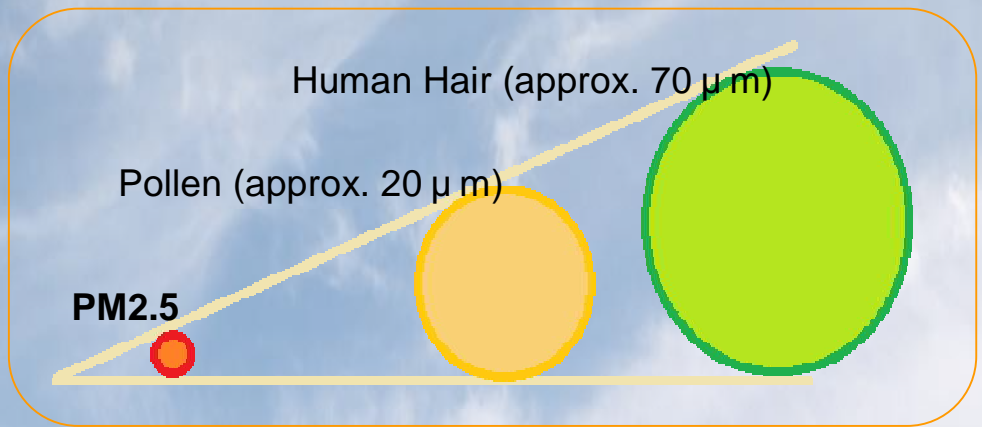
- ✓ **Easy installation to designed-free product**
- ✓ **Multipoint Time-series Monitoring**

Shinyei Technology Co., Ltd.

## What is “PM2.5”?

"PM2.5" is known as the fine particle which is one of the cause of asthma or respiratory disease, etc. Especially, diesel soot commonly referred

to as PM2.5 is suspected to raise the risk of lung cancer.



Since distribution of PM2.5 is ascribable to geological and regional factors, multipoint real-time monitoring is crucial to measure the fine particles.

## Shinyei PM Sensor can do...

Achieves high correlation with Federal Equivalent Method (FEM) registered by Environmental Protection Agency (EPA) in U.S.

Connecting to PC enables the sensor to show real-time data continuously anytime and anywhere.

Easy, compact, and light sensor does not require wide space for deployment.

## Specifications

Product Name	PM Sensor	Dimensions (mm)	71.4W x 76.4H x 36.7
Model No.	PMS1	Weight	130g (approx.)
Detection Method	Light Scattering Method	Supply Voltage	12VDC
Detectable Particle Size	Approx. 0.3 μm and larger	Power Dissipation	380mA max.
Detectable Range	0 - 200 μg/m <sup>3</sup>	Operating Temperature	-10 to 45 deg.C
Output	Ethernet	Operating Humidity	20 to 85%rh (No Cond.)
Air Sampling Method	Suction by Built-in pump	Deployment	Vertically ± 3 deg.

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