

Products

Laser PM2.5 Sensor

Infrared PM2.5 Sensor

HCHO Sensor

CO2 Sensor

Multi in one Gas Sensor

Automobile Air Quality Sensor



PMS5003

- Zero false alarm rate
- Real-time response
- Correct data
- Minimum distinguishable particle diameter :0.3 micrometer
- High anti-interference performance because of the patent structure of six sides shielding
- Optional direction of air inlet and outlet in order to adapt the different design

CONTACT US

DETAILS

Parameter	Index	Unit
Particle Range of measurement	0.3~1.0; 1.0~2.5; 2.5~10	Micrometer (μm)
Particle Counting Efficiency	50%@0.3μm 98%@≥0.5μm	
Particle Effective Range (PM2.5 standard)	0~500	μg/m³
Particle Maximum Range (PM2.5 standard) *	≥1000	μg/m³
Particle Resolution	1	μg/m³
Particle Maximum Consistency Error (PM2.5 standard data)*	±10%@100~500μg/m3 ±10μg/m3@0~100μg/m3	
Particle Standard Volume	0.1	Litre (L)
Single Response Time	<1	Second (s)
Total Response Time	<10	Second (s)
DC Power Supply	Typ: 5.0 Min:4.5 Max:5.5	Volt (V)
Active Current	≤100	Milliampere (mA)
Standby Current	≤200	Milliampere (mA)
Interface Level	L<0.8 @3.3 H>2.7@3.3	Volt (V)
Working Temperature Range	-10~+60	°C
Working Humidity Range	0~99	
Storage Temperature Range	-40~+80	°C
MTTF	≥3	Year
Physical Size	50mm×38mm×21mm	mm

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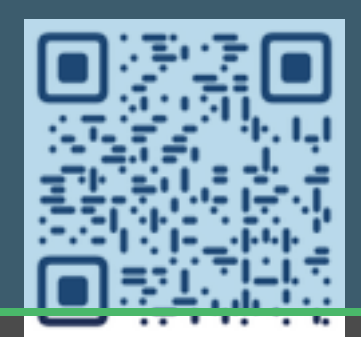
Support

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