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MPM60-C4

Vehicle PM Sensor

The automotive PM2.5 dust sensor is a sensor that uses the principle of laser scattering. It outputs the mass concentration of particulate matter (μg/m3) through mathematical algorithms and scientific calibration. Based on the dust concentration data, the HVAC controller can take measures to ensure high air quality in the car, thereby improving passenger comfort and ensuring travel safety.

High precision

Scientific particle identification algorithm

Simultaneously output PM2.5 concentration values inside and outside the vehicle

Quick response

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Applications

- PM2.5 gas detection inside and outside the vehicle

Parameters

Detection particle diameter	0.3~10μm
Detection concentration range	0-1000μg/m³
Particle mass concentration Resolution	1μg/m³
Single response time	⩽ 1s
Comprehensive response time	⩽ 10s
Detection consistency error (@voltage 5.0V 25 50%RH)	±15%(@100~500μg/m³); ±15μg/m³ (@ 0~100μg/m³)
Output mode	LIN
Working current	⩽ 100mA
Stand-by current	⩽ 50μA
Working temperature	-20~70°C
Working humidity	0~95%RH（No condensation）

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