



Features & Benefits

- Real time indoor PM2.5 via optical IR LED
- Compensating automatic re-calibration
- Humidity & temperature measurement
- Backlit 6 level LCD to indicate PM2.5 concentration levels
- Modbus RTU output

Technical Overview

The GS-PM-D is for PM2.5, humidity and temperature measurement, they can be monitored via the Modbus RTU output or via the 6-colour LCD. The PM2.5 display reading is an average value of PM2 updated hourly, humidity & temperature measurements are real time. PM2.5 is sensed via a laser particle sensor, light scattering method, making these suitable for homes, offices, small ventilation systems etc. Using unique technology of compensating method, and up to nine calibration points, to guarantee GS-PM-D measurements accuracy in different environments.

Specification

Air speed (within duct)	60 seconds
Certification	RESET, WELL
Co₂ accuracy	±50ppm + 3% reading
Current Consumption	2-15m/s
Housing Dimensions	180 x 125 x 65.5mm
Housing Material	PC
Humidity Accuracy	<±3.5%RH (10-60%RH)
Pitot tube	240 x 30.4mm dia.
PM2.5 Accuracy	±5µg/m ³ + 10% of reading (0 to 300µg/m ³ 10-30°C, 10-60%RH)
Power Supply	12-28Vdc or 18-27Vac
Protection	IP30
Temperature Accuracy	<±0.5°C@25°C
Temperature Output range	-20 to 60°C
TVOC Accuracy	<±0.05 mg/m ³ + 15% of reading

Technical Specification

Housing Dimensions	180 x 125 x 65.5mm
Housing Material	PC

Air speed (within duct)	60 seconds
PM2.5 Accuracy	$\pm 5\mu\text{g}/\text{m}^3 + 10\%$ of reading (0 to $300\mu\text{g}/\text{m}^3$ 10-30°C, 10-60%RH)
Temperature Output range	-20 to 60°C
TVOC Accuracy	$< \pm 0.05 \text{ mg}/\text{m}^3 + 15\%$ of reading
Power Supply	12-28Vdc or 18-27Vac
Co₂ accuracy	$\pm 50\text{ppm} + 3\%$ reading
Temperature Accuracy	$< \pm 0.5^\circ\text{C}@25^\circ\text{C}$
Humidity Accuracy	$< \pm 3.5\%\text{RH}$ (10-60%RH)

Related Product Codes

GS-PM-D	Duct mount PM2.5, CO2, TVOC RH & T Sensor
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