



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-S 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-S measurements accuracy in different environments.

Specification

Current Consumption	1.2W (1200mA)
Environmental humidity	5 to 95% non-condensing
Environmental temperature	0 to 60°C
Gross Weight (kg)	0.1
Housing Dimensions	85 x 130 x 36.5mm
Housing Material	PC/ABS
Humidity Accuracy	<±3%RH (20-80%RH)
Humidity Output ranges	0 to 100%RH
Operational life PM2.5	>5 years (Avoid dust and bright lights)
Output	Modbus RTU 38400 baud rate
PM2.5 Accuracy	±10µg/m + 10% of reading @ 15-35°C, 20-80%RH
PM2.5 Output Ranges	0 to 600µg/m ³
Power Supply	24Vac/dc ±10%
Protection	IP30
Temperature Accuracy	<±0.5°C @ 25°C
Temperature Output range	-20 to +50°C
Warm Up Time	60 seconds

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Related Product Codes

GS-PM-S	Wall mount PM2.5, T and RH sensor with 6 colour LCD
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