

Sensorbee Particle Matter Module

The Particle Matter Module, are a rugged high accuracy sensor built for outdoor use.

It have a high air flow rate for robust PM10 readings, as well as heating element that make help improve accuracy in high humidity situations.



SB4102 - Particle Matter Module

PARTICLE SENSOR:



Type:
Optical particle counter



Heating element:
Heating element active when >80% humidity.

Mass Concentration Range & Precision:

PM1.0: 0.3-1.0 μ m part.size - \pm 5% precision(μ g/m³)
PM2.5: 0.3-2.5 μ m part.size - \pm 5% precision(μ g/m³)
PM10: 0.3-10.0 μ m part.size - \pm 10% precision(μ g/m³)



Airflow: 2.5 lpm
Resolution: 1 μ g/m³



Concentration Ranges:
0 to 1000 μ g/m³ Mass Concentration
0 to 2600 #/cm³ Number Concentration

Number Concentration (PC) Range & precision:

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MODULE:



Dimensions: 70 x 60 x 26 mm
Weight: 65 gram



Enclosure:
Polyamide



Operational Life:
>2 Years



Operating Temperature:
-20 to +60°C



Recommended Humidity range:
0 to 95 %RH



Operating Humidity range:
0 to 99 %RH