

Aerosol Sensor

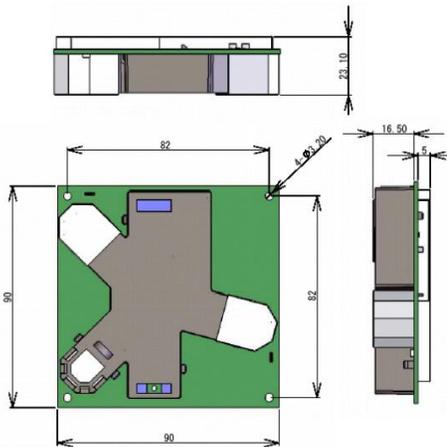
Model AES-1

Model AES-4

Feature

- Detection Range
from 0.3 - 10 μ m or longer
- Unique air sampling method
using "heater" to generate
updraft airflow and prevent from
choked airflow
- Compact size and low cost

Configuration (unit: mm)



Shinyei Corporation of America

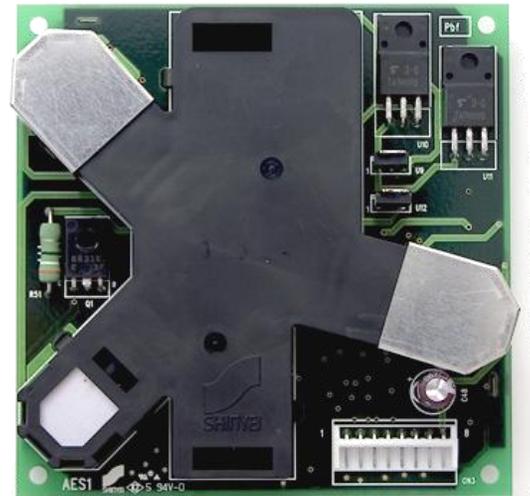
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AES-1 (Aerosol Sensor Unit)

Minimum measurement particle size: 0.3 μ m

AES-4 (Aerosol Sensor Unit)

Minimum 0.3 μ m (micro meter)
Particle sizing into 4 groups
0.3 and longer
0.5 and longer
1.0 and longer
2.5 (or 5.0 μ m) and longer



Specification

Light Source	Semiconductor Laser
Life	20,000 hours
Detection Method	Light Scattering Method
Sampling Method	Updraft airflow generated by built-in heater enables air sampling of approx. 0.1 liter per minute
Monitoring Particle Size	0.3 μ m – approx. 10 μ m
Operating Temp / RH	0 to 40 deg. C, 30 to 80 %rh
Output	1kHz pulse
Input Voltage	12VDC +/-10%
Power Consumption	300mA
Dimension	3.6" X 3.6" X 0.9" (90 X 90 X 23 mm)
Weight	Approx. 0.27 lbs. (120g)