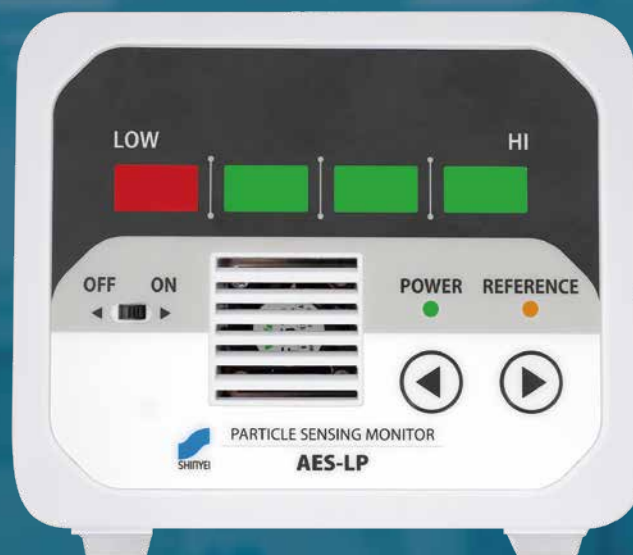


Particle Sensing Monitor

AES-LPM

(for Large Particles)



AES-LPM
(110 × 125 × 76mm)

Recommended for **contamination control**.

Useful for **quality improvement** and
defect rate reduction at **low cost**.

Small size and **low cost**.

4-level LED display for the
number of large particles
that fall without floating.

Detect particles of
5µm to 50µm *
(* reference value).

5 different outputs or
communication
interfaces.

Continuous monitoring
and quick notification of
abnormalities.

**Temperature and
humidity sensor**
available as an option.

Specification

(*1) 10μm / 20μm / 30μm / 50μm are reference information.

Model	AES-LPM
Optical Source	Laser Diode
Detectable Particle Size	5μm / 10μm / 20μm / 30μm / 50μm (*1)
Measurement Range	Class10,000 to Class100,000
Unit	pcs/5min (Default Condition), pcs/m3, pcs/cf, pcs/L
Output/Interface	Alarm, Ethernet, Analog(V), Wi-Fi, RS485
Measurement Time	300s
Data Update Time	1s
Power	+24V
Power Consumption (max)	+600mA
Operating Temperature	0°C to +40°C
Storage Temperature	-20°C to +60°C
Operating Humidity	30%rh to 80%rh
Storage Humidity	Below 90%rh (No condensation)
Weight	Approx. 370g
Applicable Wire Size	AWG26 to 20

Temperature and Humidity Sensor (Optional)

Connect optional sensor (CHU-L151-11A-AES) to Particle Sensing Monitor for monitoring temperature and relative humidity continuously.



Application

For multi-point measurement in cleanroom.



Capable to measure multiple points at the same time. Easy network construction.

For improvement of product yield in painting line.



Useful for contamination control in painting line. Contribute to quality improvement and defect rate reduction at low cost.

For printing system control to keep its quality.



Continuous monitoring enables to notify abnormal event occurrence and prevent contaminant particles adhesion to products.

Calibration Service

Annual calibration is recommended.
For details, please contact retailer or us directly.

Issued Documents

- Calibration Certificate
- Inspection Report
- Inspection standard system diagram

AES-FP series (for Fine Particles)

For fine particles monitoring, AES-FP Series is recommended. Detect over 0.3μm to visualize cleanliness level at low cost.

