

# AEROSOL SENSOR & MONITOR

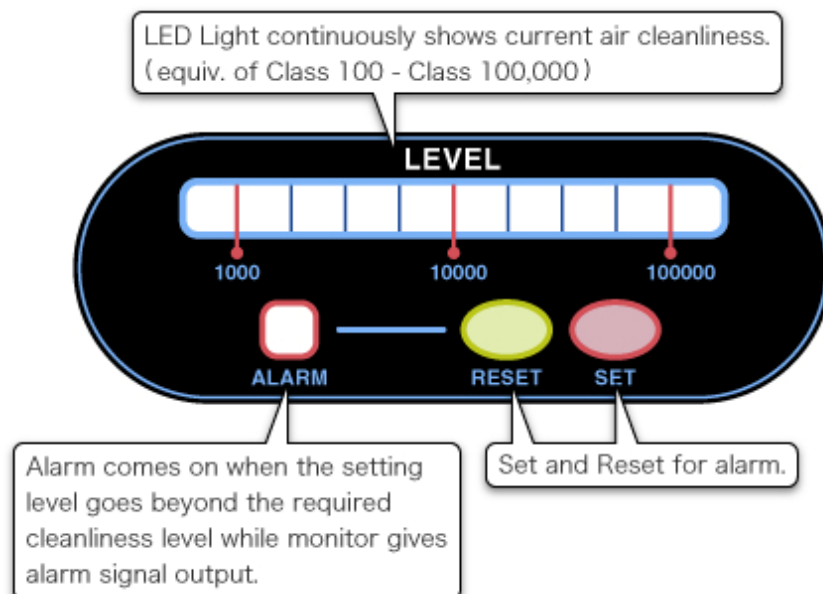
## OPTICAL PARTICULATE SENSORS

### FEATURES

- 1 Long life laser. 20,000 h
- 2 Compact and light, easy installation. Low cost
- 3 Link to Ethernet system with purpose of monitoring at multiple location.
- 4 Application : Any place where you need simplified cleanliness level monitoring.
- 5 Alarm comes on when the setting level goes beyond the required cleanliness, while monitor gives alarm signal output.
- 6 Unique air sampling method using "heater" to generate updraft, preventing choked flow. Suction pump is not necessary.
- 7 Stable and sensitive detection for Particulates of 0.3 microns or 0.5 microns and larger. Easy-to-read air cleanliness level, equivalent of Class 100 - Class 100,000.



▲ Aerosol Monitor AES-1000





## INTRODUCTION / DESCRIPTION

Highly sensitive sensor developed for application in an industrial field such as clean rooms. Particulates of 0.3 microns or 0.5 microns or larger can be monitored.

The aerosol sensor unit can be used to keep optimum driving of filtering equipment related to a clean room depending on actual condition of cleanliness level.

The Aerosol Monitor which has easy-to-read display, and link to Ethernet system, can materialize simplified monitoring of Particulates at multiple location.

## SPECIFICATION

	AES-1000
Display	10 x LED lights shows equivalent of Class 100 ~ Class 100,000 100-1,000-2,000-3,000-5,000-10,000-20,000-30,000-50, 000-100,000
Detection method	Light Scattering
Sensor	Shinyei AES-1 Aerosol Sensor
Min. detectable size	0.3 $\mu$
Air Sampling method	Updraft airflow generated by built-in heater enables air sampling of approx. 0.26 gal per minutes
Cleanliness Class	From level of equiv. of Class 100 ~ Class 100,000
Alarm Display	Alarm LED light comes on when reaching to setting level
Interface	Ethernet x 1 port
Power Supply	DC12 V $\pm$ 10 % 500 mA
Operating Temp/Humidity	0 °C ~ 40 °C 30 %RH ~ 80 %RH

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DUE TO CONTINUOUS PRODUCT IMPROVEMENT, THE DESIGN, TECHNICAL SPECIFICATIONS AND THE CONTENTS OF THIS BROCHURE ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

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