Cleanroom Contamination Control Solutions

KANOMAX
The Ultimate Measurements

Ultimate Solutions for Cleanroom Environment

Kanomax cleanroom contamination control products are designed to serve applications from continuous monitoring to certification for any clean environments in the pharmaceutical, electronics, medical, and food industries.

Handheld and portable particle counters help users to enact spot-checking in order to meet the level of particulate contamination in the clean environment required by industry standards, such as ISO 14644-1. Remote particle counters and cleanroom monitoring system implement control solution for continuous facility monitoring.

Model 3886

Handheld Particle Counter Model 3886 and 3887

Model 3886 and 3887 are CE certified handheld laser particle counter. The Model 3886 measures 5 particle sizes simultaneously with optional multi-functions, such as air velocity, temperature, and humidity. Its low air velocity measuring function is suitable for laminar flow units. The Model 3887 is a light weight and easy to use instrument.

Model 3887

Features and Benefits

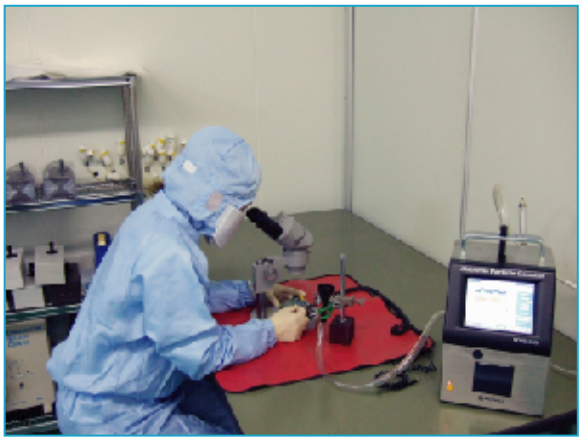
- Simultaneous 5 channel particle measurements (Model 3886)
- Simultaneous 3 channel particle measurements (Model 3887)
- Handy and easy operation
- RS232C digital output
- Useful tripod mount for repeat, continuous, and remote mode
- Multi-functions: Particle, Air Velocity, Temp, R/H (Model 3886)
- Network capable up to 8 units with PC software (Model 3887)
- ISO mode calculates 95% UCL for user (Model 3887)

Portable Particle Counter Model 3900

The Model 3900 is a CE certified 6-Channel Portable Laser Particle Counter with a high flow rate of 1.0 cfm. The Model 3900 has a large color touch screen and its user-friendly interface makes operation easy. In addition the Model 3900 offers multi-parameter measurements including airflow, air temperature, humidity, and differential pressure. It also includes a multi-standard operation mode to ensure compliance with industry standards, such as ISO 14644-1, Federal Standard 209E, British Standard 5295 and EC GMP.

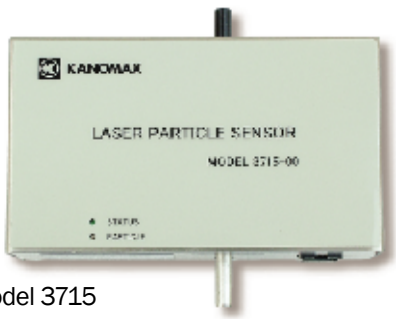
Features and Benefits

- 1.0 cfm flow rate
- Simultaneous 6 channel measurements
- 0.3 micron sensitivity
- Big touch-screen display
- Measures multi-parameters, air velocity relative humidity, temp, differential pressure
- Network interface with PC communication software
- Stainless body
- Built-in printer



Cleanroom Monitoring System

Kanomax Cleanroom Monitoring System (CRMS) provides an automated means to monitor and gather airborne particle count and other parameters level in controlled environments. CRMS allows users to perform a variety of functions from PC including the alteration of alarms information and viewing of particle count concentrations.



Model 3715

Features and Benefits

- Compact laser particle sensor with stainless enclosure
- 0.3 micron sensitivity (Model 3714)
- 0.5 micron sensitivity (Model 3715)
- Measures multi-parameters, particle, air velocity temperature, humidity, differential pressure
- Multi-function, user-friendly monitoring software
- 1 PC system controls up to 128 sensors

Specifications

Model	3886	3887	3900	3714 / 3715
Number of Channel	5	3	6	2
Channel Sizes (μm)	0.3, 0.5, 1.0, 3.0, 5.0	0.3, 0.5, 5.0	0.3, 0.5, 1.0, 3.0, 5.0, 10.0	0.3, 0.5 / 0.5, 5.0
Flow Rate	2.83 lpm (0.10 cfm)	2.83 lpm (0.10 cfm)	28.3 lpm (1.0 cfm)	2.83 lpm (0.10 cfm)
Laser Source	Laser Diode	Laser Diode	Laser Diode	Laser Diode
Counting Efficiency	50% @ 0.3 μm	50% @ 0.3 μm	50% @ 0.3 μm	50% @ 0.3 μm
Zero Count Level	<1 count per 5 minutes	<1 count per 5 minutes	<1 count per 5 minutes	<1 count per 5 minutes
Concentration Limits	<5% @ 2,000,000 ft^3	<5% @ 2,000,000 ft^3	<5% @ 500,000 ft^3	<5% @ 1,000,000 ft^3
Enclosure	Molded Plastic	Molded Plastic	Stainless Steel	Stainless Steel
Power	AA Batery or AC	AA Batery or AC	Li-ion Batery or AC	24 VDC
Dimensions (inch)	W 4.5 x D 2.8 x H 8.5	W 4.3 x D 2.7 x H 7.7	W 8.3 x D 8.6 x H 12.5	W 1.6 x D 2.8 x H 5.0
Weight	2.2lbs (1kg)	1.5lbs (680g)	17.5lbs (8kg)	1.0lbs (450g)

Kanomax Provides Your Solutions

HVAC Testing and Balancing

Calibrate the environmental setting within the building for meeting occupant comfort requirements, achieving HVAC design specifications, extending maintenance intervals, energy conservation, and efficient operation. Kanomax **Anemomaster™ series** measure in-duct airflow and static pressure to maintain and inspection HVAC system.

Model A031

Laboratory Controls

Control ventilation and temperature in critical controlled air environment spaces, such as laboratories and clean rooms in order to maintain the integrity of experiments and production process. Kanomax provides instruments, such as **Airflow Transducer Model 6332D** for bio safety cabinet testing. Users can detect leakage and testing HEPA filter efficiency.

Model 6332D

Industrial/Occupational Hygiene

Measure parameters including dust concentration, temperature, air velocity, gas concentration, indoor air quality, ventilation performance, pressure differential and humidity to find hazards in occupational environment. Kanomax **Piezobalance Dust Monitor Model 3521** and **Digital Dust Monitor Model 3431** implement dust exposure testing to protect workers.

Model 3431

General Indoor Air Quality

Measure a variety of parameters important in monitoring and maintaining occupant thermal comfort while helping to assure healthy indoor environments. Kanomax **IAQ monitor Model 2211** and **Aeroqual series** help facility manager to control thermal comfort and to detect sick building syndrome in the building.

Model 2211