Cleanroom Contamination Control Solutions

LASER PARTICLE SENSOR

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.

Cleanroom Certification

Kanomax has developed several types of particle counters to aid in the certification process. Our handheld units are great for spot-checking and can certify smaller installations. The larger portable particle counters are pre-programmed with a standards mode to facilitate the certification process.

One of the primary ways to control particles is with proper airflow and ventilation. We offer several instruments that can test and balance a newly setup cleanroom or check airflow rates for certification purposes.

Handheld Particle Counter
Model 3888 & 3889

Models 3888 and 3889 are CE certified handheld laser particle counters. The Model 3889 measures 6 particle sizes simultaneously while the Model 3888 measures 3 channels. Both have 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.

3888/3889 with Communication Cradle

Features & Benefits
- Simultaneous 3 channel particle measurements (Model 3888)
- Simultaneous 6 channel particle measurements (Model 3889)
- Large 4.3-inch full-color touchscreen display
- Remote operation/monitoring capability (allows for 24/7 testing)
- WiFi, Ethernet, RS485 connectivity options

3888/3889 with Tripod Stand

Portable Particle Counter
Model 3910 & 3905

The 3910 & 3905 are the smallest 6-channel portable particle counters in the industry; with a 50 LPM and 1 CFM flow rate respectively and a 0.3 micron sensitivity. Both units feature a large color touch screen, streamlined, user-friendly interface and pre-programmed standards mode to guide you through the measuring and certification process it may also be the most helpful.

Features & Benefits

- The unit is featherlight and the smallest in the industry
- Simultaneously measures and displays up to 6 particle sizes
- Enables you to certify cleanrooms up to ISO Class 2
- Fully compliant with ISO 21501-4 calibration standard

Model 3910

Climomaster™ Model 6501 Series

The most accurate hotwire anemometer (in its class) in the world. Just some of its capabilities include: up to 8 interchangeable probes for air velocity, temperature, humidity, and differential pressure.

Features & Benefits

- Simultaneously measures and displays air velocity, flow rate, humidity, temperature, and differential pressure
- 8 interchangeable probes are available for various applications
- Data processing software allows real-time measuring and downloading data to PC

Climomaster™ & Probes

TABmaster™ Capture Hood

Our new Kanomax TABmaster™ is the perfect tool for accurate supply and return airflow measurements. Interchangeable hoods make it a snap to sample the air for any duct size. The unit is lightweight and easy to handle. The full color screen can be tilted so it's at the optimal viewing angle at any height.

Features & Benefits

- Lightweight design makes one-person setup and use easy
- Five hood sizes make it easy to pick one that fits your duct size

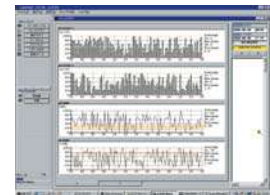Model 6710

Cleanroom Continuous Monitoring

Kanomax offers a complete 24/7 monitoring solution suitable for pharmaceutical, aerospace, semiconductor and food industries. This system is easy to custom to your specific needs because of its modular nature. Our analog output sensors can even be added to your existing system.

Standard Cleanroom Monitoring System

Kanomax Cleanroom monitoring System (CRMS) provides an automated means to monitor and gather airborne particle counts and other parameter levels in controlled environments. The CRMS allows users to perform a variety of functions from their PC including the alteration of alarm information and the viewing of particle count concentrations. The system is designed with a modular nature so you can purchase exactly what you need for your particular application. Whether you need a single sensor or two located at critical areas or a full multi-sensor, 24-hour monitoring system, Kanomax can work with you to provide the perfect system.
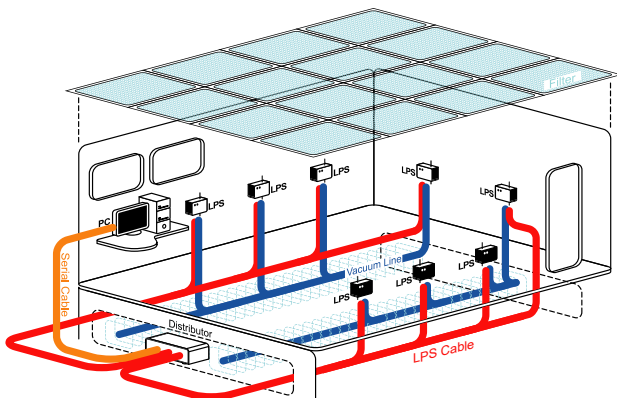

Map

Trend Graph
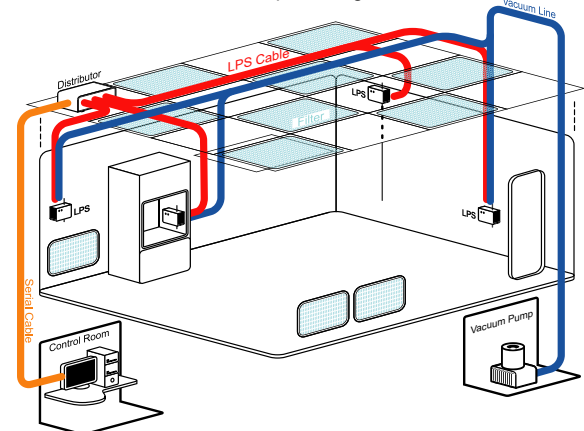

Monitoring System Examples

■ **Industrial Cleanroom**
Semiconductor, HDD, Flat Panel Display, Electronics

■ **Bio-medical Cleanroom**
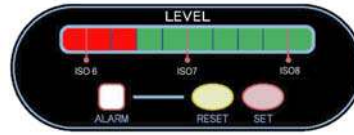Food, Pharmaceutical, Hospital surgical rooms

Basic Particle Montioring System

The new AES-1000 Basic Particle Monitoring System is designed to check particulate levels for process monitoring. The instrument offers a simplified, easy-to-read display which shows the current air cleanliness level at a glance, based on the ISO scale. An LED light continuously displays the current condition.

The sensor is easy to setup anywhere it's desirable to check particulate levels, such as critical areas and heavy processing zones. It can be integrated with an existing network by using a standard LAN/Ethernet cable. PC monitoring software comes standard with the sensor.

Particle Monitor

LED light shows current air cleanliness

PC Software is included

Remote Sensors for Facility Monitoring System

Kanomax sensors with analog output are designed to fit into your existing monitoring system, or they can be used as a stand-alone unit to monitor a critical area when connected to an alarm or controller. The Kanomax particle sensor is available with both 0.1 and 1.0 CFM flow rates. Our airflow transducer is available with many different probes to suit your specific application needs.

Differential Pressure Sensor

Remote Particle Sensor (1.0 CFM)

Remote Particle Sensor (0.1 CFM)

Airflow Transducer

Temperature/Humidity Sensor

Distributed by

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