KANOMAX
The Ultimate Measurements

Cleanroom Monitoring System

Kanomax Cleanroom Monitoring System (CRMS) provides an automated means to monitor and gather airborne particle count and other parameter levels in controlled environments. CRMS allows users to perform a variety of functions from a PC, including changing alarm settings and viewing particle count concentrations.

Features:

- Compact stainless enclosure with sensors
- Multi-parameter measurements: Particle count, Air velocity, Temperature, Humidity, and Differential pressure
- Multi-function, user-friendly monitoring software
- 1 PC system controls up to 128 sensors
- Alarm outputs: warning light, on-screen, or pager notification
- No system down-time: each sensor is replaceable for repair and recalibration

Particle Sensors

Features:

- Light scattering particle sensor
- Durable stainless enclosure, capable of whole facility cleaning

Specifications		
Model	**3714**	**3715**
Measuring Object	Airborne Particle Matter	
Particle Sizes	0.3 / 0.5 μm	0.5 / 5.0 μm
Flow Rate	0.1 cfm (2.83 L/min) *External vacuum source is required	
Light Source	Laser Diode	
Counting Efficiency	50% @ 0.3 μm	50% @ 0.5 μm
Coincidence Loss	Less than 5% at 1,000,000 particles/ft^3	
Zero Count Level	<1 count per 5 minutes	
Interface	RS485	
Enclosure	Stainless Steel	
Power Supply	DC24V (Supplied from the 3770)	
Dimensions	W5.0" x H2.8" x D1.6"	
Weight	1.1 lbs (500 g)	

Features:

- 0.2 μm sensitivity particle counter
- Digital and analog outputs are available
- Analog output for Multiplexer

Specifications	
Model	**3792-01**
Measuring Object	Airborne Particle Matter
Particle Sizes	0.2 / 0.3 μm
Flow Rate	0.1 cfm (2.83 L/min)
Light Source	Laser Diode
Counting Efficiency	50% @ 0.2 μm
Coincidence Loss	Less 5% at 1,000,000 particles/ft^3
Zero Count Level	<1 count per 5 minutes
Interface	RS485 / 4 to 20 mA for Multiplexer
Power Supply	AC 100 to 240 V
Dimensions	W4.6" x H5.3" x D6.7"
Weight	6.6 lbs (3 kg)

Air Velocity Sensor

Features:

- Compact design for measuring air velocity and airflow in cleanroom
- 10 interchangeable probes are available
- Temperature/Humidity sensor and Differential pressure sensor are available

Specifications	
Model	**6332 / 6332D**
Air Velocity Ranges	20 to 9840 fpm (0.10 to 50.0 m/s) *See page 15 for probe specifications
Analog Output	4 to 20mA or 0 to 5V *Selectable
Power Supply	DC 12 to 24V or AC 80 to 240V
Dimensions	W3.1" x H5.0" x D1.2"
Weight	0.7 lbs (320 g)

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Interface Box

Features:

- Converts analog input to digital
- Supplies power to the sensor

Specifications	
Model	**3772-02**
Input	4 to 20 mA / 0 to 1 V / 1 to 5 V
Output	RS485
Power Supply	DC24V (Supplied from the 3770)
Dimensions	W5.5" x H3.1" x D1.6"
Weight	1.1 lbs (500 g)

with Differential Pressure Sensor

Distributors

Features:

- Supplies data communication and power to sensors via RS485
- 1 unit connects up to 8 sensors

Specifications	
Model	**3770**
# of Channel	8
Interface	RS485
Power Supply	AC 85 to 132 V or AC 170 to 267 V
Dimensions	W11.8" x H3.9" x D7.9"
Weight	6.6 lbs (3 kg)

Cleanroom Monitoring Software

Features:

- Continuous monitoring and data processing software
- Remote monitoring via LAN
- Multi-function: Map display at a glance, Real-time graph, Maintenance Indication, and Data table

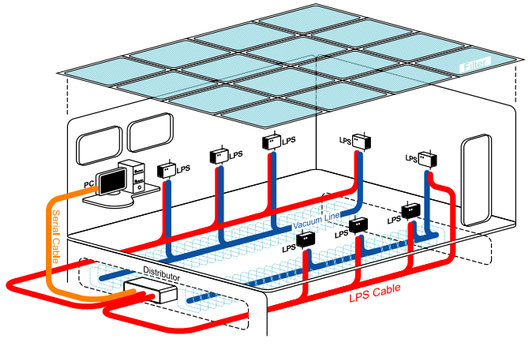
Map

Trend Graph

System Examples

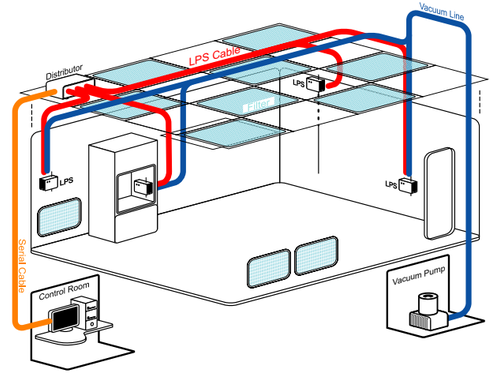
■ **Industrial Cleanroom**

Semiconductor, HDD, Flat Panel Display, Electronics



■ **Bio-medical Cleanroom**

Food, Pharmaceutical, Hospital surgical rooms



Cleanroom Monitoring System