

# Remote Particle Sensor with Analog Output

## 2-channel remote particle sensors for facility monitoring applications

Kanomax particle 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 a 1.0 CFM flowrate and also comes in two different ranges: 0.3 and 0.5 microns or 0.5 and 5.0 microns.

### Features:

- Light scattering particle sensor
- 1.0 cfm flow rate (28.3 lpm)
- Analog output makes it easy to integrate into existing systems
- 0.3 or 0.5 micron sensitivity
- Compact body with stainless enclosure
- Fully compatible with the Kanomax Cleanroom Monitoring System as well as third party existing systems

### Applications:

- Cleanroom Facility Monitoring
- Food Industry
- Aerospace
- Hospital Surgical Rooms



Specifications	3716A	3717A
Measuring Object	Airborne Particle Matter	
Particle Sizes	0.3 / 0.5 $\mu\text{m}$	0.5 / 5.0 $\mu\text{m}$
Flow Rate	1.0 cfm (28.3 L/min) *External vacuum source is required	
Light Source	Laser Diode	
Counting Efficiency	50% @ 0.3 $\mu\text{m}$	50% @ 0.5 $\mu\text{m}$
Coincidence Loss	Less than 5% at 500,000 particles/ft <sup>3</sup>	
Zero Count Level	< 1 count per 5 minutes	
Interface	RS485 & 4-20mA	
Enclosure	Stainless Steel	
Power Supply	9 - 28V (AC adapter supplies 12V)	
Dimensions	W6.3" x H5.1" x D3.9"	
Weight	3 lbs (1.5 kg)	

**Example Configuration:** Shows 6 sensors connected to datalogger via the 4-20 mA output. It's easy to connect them to a datalogger or any other device that will accept an analog signal. Note that a vacuum source is required for the sensors.

