



# Remote Particle Sensor

## 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 both 0.1 and 1.0 CFM flowrates and also comes in two different ranges: 0.3 and 0.5 microns or 0.5 and 5.0 microns.

### Applications

- Monitoring cleanrooms pharmaceutical / semiconductor / food industry
- Hospital surgical room
- Facility monitoring
- Building automation system



### Features & Benefits

- 2-channel particle sensor with flexible 4-20mA analog output (1.0 cfm unit only)
- 0.1 cfm and 1.0 cfm flow rates are available
- Particle counts, error status, and alarm signal can be outputted
- Able to connect to a PLC or datalogger for facility monitoring applications
- Can be added to a process or building automation system
- Fully compliant with ISO21501-4 calibration standard and JIS B9921
- Configuration software is included for user parameter setup
- Power can be provided via a network connection or AC adapter
- Stainless steel enclosure
- 3 years warranty

## Specifications

Model	3714 / 3715	3716A / 3717A
Light Source	Laser diode	
Particle Channel Sizes	0.3 and 0.5 microns / 0.5 and 5.0 microns	
Counting Efficiency	50% ±20% at smallest particle channel	
Flow Rate	2.83 LPM (0.1 CFM)	28.3 LPM (1.0 CFM)
Concentration Limit	More than 1,000,000 particles/ft <sup>3</sup> at 10% coincidence loss	More than 500,000 particles/ft <sup>3</sup> at 10% coincidence loss
Zero Count Level	Less than 1 count per 5 minutes	
Vacuum Source	External pump	
Enclosure	Stainless Steel	
Interface	RS485	RS485, 4-20mA
Output	Particle counts, error status, alarm output	
Standards	ISO 21501-4, JIS B9921, CE	
Power Supply	DC24V (over network hub) / 9 to 28V (AC adapter)	
Operating Range	50 to 86°F (10 to 30°C), 20 to 85%RH with no visible condensation	
Storage Range	14 to 122°F (-10 to 50°C), up to 98%RH with no visible condensation	
Dimensions (H x W x D)	4.9 x 2.8 x 1.6 inches (126 x 73 x 41 mm)	5.9 x 4.7 x 3.9 inches (160 x 120 x 100 mm)
Weight	1.0 lbs (500 g)	3.0 lbs (1.5 kg)
Warranty	3 years	
Included Accessories	User manual, AC adapter, configuration software, calibration certificate	
Optional Accessories	Wall-mount bracket, RS485 to USB converter for initial configuration, zero filter, sampling tube isokinetic inlet, vacuum pump, vacuum tubing	

Specifications are subject to change without notice.



**KANOMAX**  
The Ultimate Measurements

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