



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
- 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 set-ups
- Power can be provided via a network connection or AC adapter
- Stainless steel enclosure
- 3 years warranty

Specifications

Model	3714A / 3715A	3716A / 3717A
Light Source	Laser diode	
Particle Channel Sizes	0.3 and 0.5 micron meters / 0.5 and 5.0 micron meters	
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 ³ at 10% coincidence loss	More than 500,000 particles/ft ³ at 10% coincidence loss
Zero Count Level	Less than 1 count per 5 minutes	
Vacuum Source	External pump	
Enclosure	Stainless Steel	
Interface	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 USA, Inc.

P.O. Box 372
 219 US Hwy 206, Andover, NJ 07821 U.S.A.
 TEL: 1-800-247-8887 (USA) / 1-973-786-6386
 FAX: 1-973-786-7586
 E-mail: info@kanomax-usa.com
 URL: www.kanomax-usa.com

Distributed by:

