



KANOMAX
The Ultimate Measurements

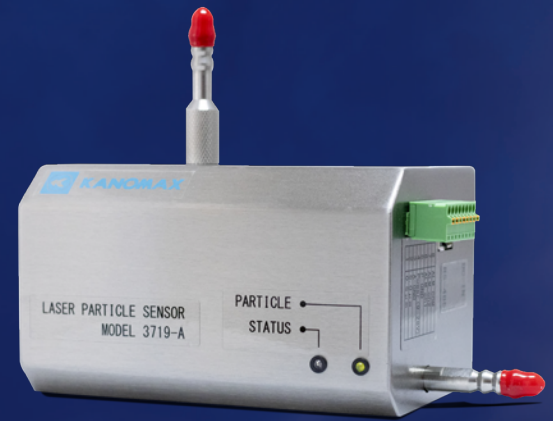
REMOTE PARTICLE SENSOR WITH ANALOG OUTPUT MODELS 3718-A/3719-A

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 micrometers or 0.5 and 5.0 micrometers.

Applications

- ◆ Facility particle monitoring
- ◆ Hospital surgical room
- ◆ Cleanroom monitoring
- ◆ Building monitoring systems



FEATURES AND BENEFITS

- ◆ 2-channel particle sensor with Modbus communication via RS485 interface.
- ◆ Flexible 4-20mA analog output (1.0 cfm unit only).
- ◆ 0.1 cfm and 1.0 cfm flow rates are available.
- ◆ Outputs particle counts, error status and alarm signal.
- ◆ Able to connect to a PLC or data logger 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 easy user parameter setup.
- ◆ Power can be provided via a network connection or AC adaptor.
- ◆ Stainless steel housing.
- ◆ 3-year warranty included.



PRODUCT SPECIFICATIONS

FEATURE	VALUE	
Model	3718-A	3719-A
Particle Size Distribution	0.3µm, 0.5µm	0.5µm, 5.0µm
Rated Flow	28.3L/min (1CFM)	
Optical Source	Laser Diode	
Counting Efficiency	Compliant with ISO21501-4, JIS B 9921	
Max Detectable Concentration	500,000CNT/ft ³	
Setting Parameter	Sampling Time: 1 to 60 seconds	
	Output Range Setting (To be configured for each particle size) Count: 0-10CNT, 0-100CNT, 0-1,000CNT, 0-10,000CNT Concentration: 0-10CNT/cf, 0-100CNT/cf, 0-1,000CNT/cf, 0-1,000,000CNT/cf 0-353CNT/ m3, 0-3,530CNT/m3, 0-35,300CNT/m3, 0-35,300,000CNT/m3	
	Alarm Setting: 0%-100%	
	Address Setting: 0-512	
	Error Output Setting: ON/OFF	
Sampling Pump	External vacuum>51kPa	
Interface	RS485, Analog Output (4-20mA)	
Communication	RS485	
Setting Software	Japanese, English	
Power Supply	1.) DC Power Supply: DC 9V-28V 2.) AC Adapter: AC 100-240V (50-60Hz), DC 12V	
Operating Environment	10~30°C, 20~85%RH (Non-condensing)	
Storing Environment	Temperature: -10 to 50°C, Humidity: 95%RH or less (Non-condensing)	
Dimension	133mm (W) × 95mm (D)× 80mm (H)	
Weight	1.0kg	
Standard Accessories	User's Manual (English)(1), User's Manual (Japanese) (1), AC adapter (1), Zero Filter (1), Adapter 1 (1), Adapter 2 (1), Tygon Tube 1 (1), Setting Software DVD - 3718/19-40 (1)	
Optional Accessories	USB-RS485 Converter 3716A-20 (Converter + Converter Connecting Cable), Converter Connecting Cable 3716A-21, RS232c-RS485 Converter 3716A-22 (Converter + Converter Connecting Cable), Isokinetic Probe - 3905-07 (1), Isokinetic Suction Probe 3718-01 (1), Tygon Tube 1 (1), Tygon Tube 2 (1)	



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