



KANOMAX
The Ultimate Measurements

LASER PARTICLE SENSOR WITH BUILT-IN PUMP MODELS 3720-06

2-channel laser particle sensor for facility monitoring applications

The Kanomax Laser Particle Sensor - Model 3720-06 with Built-In Pump is designed to fit into your existing monitoring system, or it can be used as a standalone unit to monitor a critical area when connected to an alarm or controller. It is available with 1.0 CFM flow rate. Order a unit with up to 4 channels in the following ranges: 0.3, 0.5, 0.7, 1.0, 3.0, 5.0, and 10 micrometers.



Applications

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



FEATURES AND BENEFITS

- ◆ Up to 4-channel particle sensor with Modbus communication via RS485 interface
- ◆ Flexible 4-20mA analog output
- ◆ 1.0 cfm flow rate
- ◆ 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
- ◆ Power can be provided via a network connection or AC adaptor
- ◆ Stainless steel housing
- ◆ 3-year warranty included

PRODUCT SPECIFICATIONS

FEATURE	VALUE
Model	3720-06
Particle Size Distribution	Standard sizes: 0.5 and 5.0 microns Optional sizes: 0.3, 0.5, 0.7, 1.0, 3.0, 5.0, 10.0 microns *Choose up to 4 channels when you place an order
Flow Rate	28.3L/min (1 CFM)
Optical Source	Laser Diode
Counting Efficiency	Compliant with ISO21501-4, JIS B 9921
Max Detectable Concentration	1,000,000CNT/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	Built-in Pump
Interface	Ethernet, RS485, Analog Output (4-20mA)
Communication	Modbus RTU, Modbus TCP/IP
Power Supply	1.) DC Power Supply: DC 15V-28V 2.) AC Adapter: AC 100-240V (50-60Hz), DC 12V 3.) Power over Ethernet: 802.3bt (PoE++)
Operating Environment	10~30°C, 20~85%RH (Non-condensing)
Storage Environment	Temperature: -10 to 50°C, Humidity: 95%RH or less (Non-condensing)
Dimension	180mm (W) × 110mm (D)× 190mm (H)
Weight	3.4kg
Standard Accessories	User manual, AC adapter, Zero Filter
Optional Accessories	USB-RS485 Converter (Model 3716A-20), Converter Connecting Cable (Model 3716A-21), Isokinetic Probe (Model 3910-07 1 CFM), IP65 Enclosure (Model 3720-23)

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