



Particle Sensor for Multi-point Monitoring Applications KA-02

Ideal for configuring multi-point monitoring sensor systems



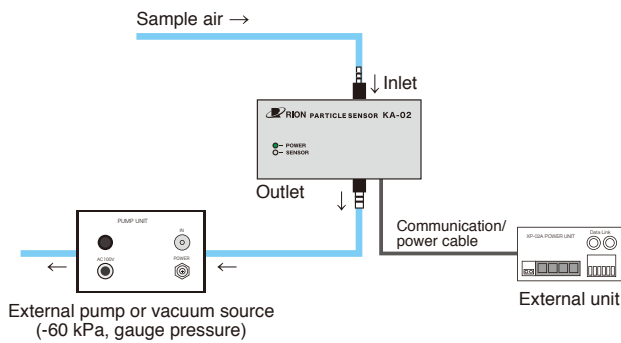
- Compact dimensions and light weight allow dust particle monitoring within process equipment
- Two particle size channels: $\geq 0.3 \mu\text{m}$, $\geq 0.5 \mu\text{m}$
- Stainless steel chassis for improved resistance against chemicals
- Compatible with multi-point type monitoring systems
(RP Monitor EVO K0505 Ver.3, Multi-Point Monitoring System Software KF-03)

Specifications

Optical system	Light scattering method
Light source	Laser diode (wavelength 780 nm, rated output 35 mW)
Laser product class	Class 1, IEC 60825-1
Light detector	Photodiode
Flow rate	2.83 L/min
Particle size range	2 channels: $\geq 0.3 \mu\text{m}$, $\geq 0.5 \mu\text{m}$
Maximum particle number concentration	140 000 000 particles/m ³ (coincidence loss max. 10 %)
Indicators	POWER, SENSOR
Connection points	
Inlet	External diameter 1/8 inches (approx. 3.18 mm)
Outlet	External diameter 1/4 inches (approx. 6.35 mm)
Input/output connectors	
RJ-45	Multi-point monitoring system, alarm output (TTL output)
Environmental conditions for operation	10 °C to 40 °C, max. 85 % RH (no condensation)
Power requirements	9 to 28 V DC (supplied by external unit, option)
Dimensions and weight	52 (H) x 107 (W) x 52 (D) mm (excl. protruding parts), approx. 360 g
Supplied accessories	Hook-and-loop fastener, simple instruction manual
Options	Particle size range modification, support for ISO 21501-4 (JIS B 9921) (produced to order)

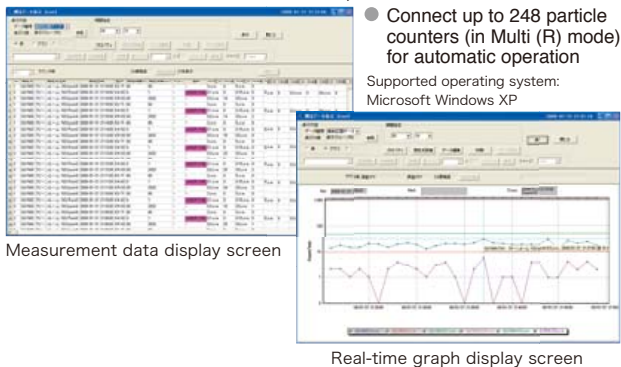
* The unit does not include a power supply, pump, or display.

Basic configuration

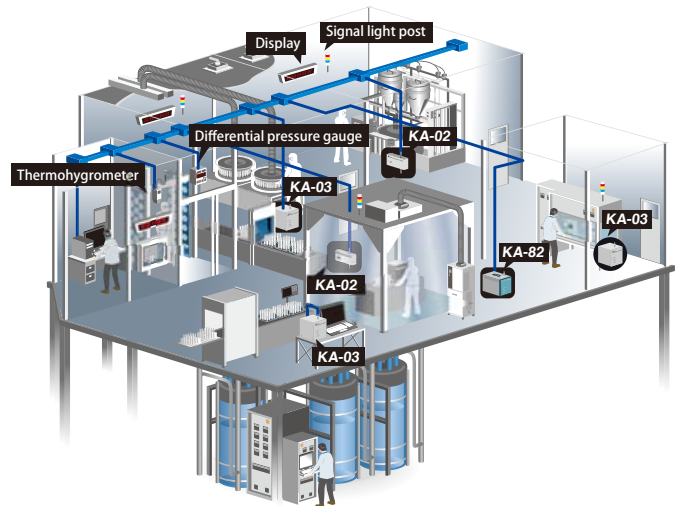


Multi-Point Monitoring System Software KF-03 Option

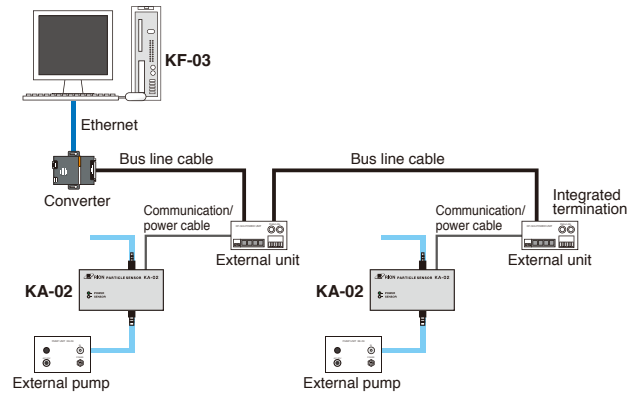
Centrally manage a wide range of information for an installation, such as count data from particle counters, temperature and humidity data from various environment sensors, and more.



Example for multi-point monitoring sensor system configuration

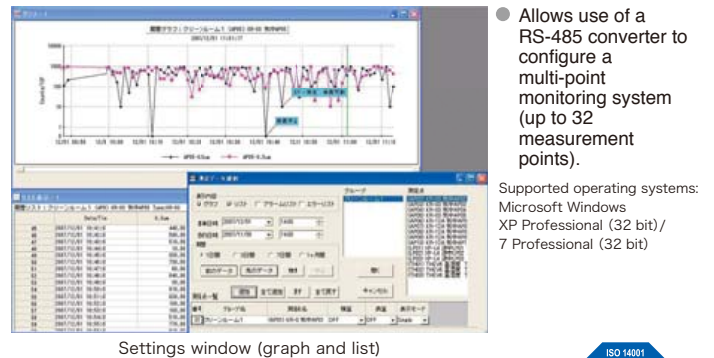


Example for multi-point monitoring sensor system connection (using KF-03)



RP Monitor EVO K0505 Ver. 3 Option

Allows automatic control of particle counters, data collection, real-time graph display, filing, and printout on a computer.



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* Specifications subject to change without notice.

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