



RION



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Particle Sensor for Multi-point Monitoring Applications KA-03

Suitable for constant monitoring systems and automatic operation systems

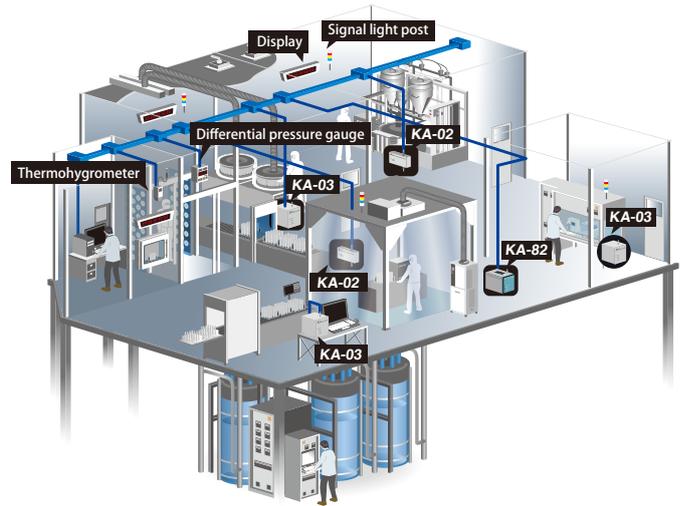


- Compliant with ISO 21501-4 (JIS B 9921)
- Five particle size channels: $\geq 0.3 \mu\text{m}$, $\geq 0.5 \mu\text{m}$, $\geq 1.0 \mu\text{m}$, $\geq 2.0 \mu\text{m}$, $\geq 5.0 \mu\text{m}$
- Compact integrated design comprising sensor and pump
- Stainless steel chassis for improved resistance against chemicals
- Compatible with multi-point type monitoring systems
(RP Monitor Evo10 K1701 Ver.3)

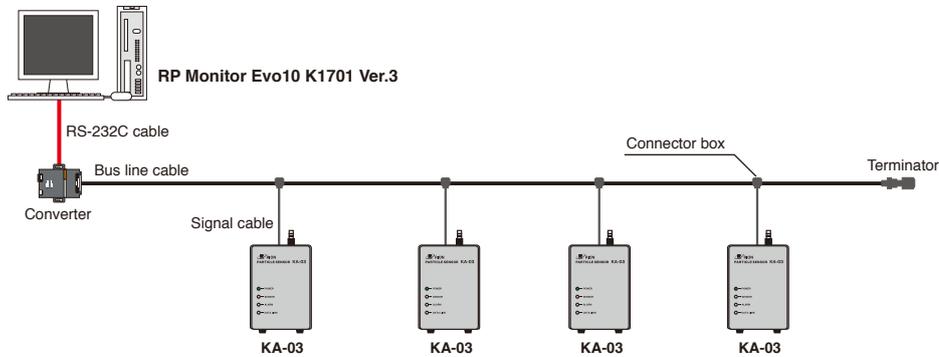
Specifications

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	5 channels: $\geq 0.3 \mu\text{m}$, $\geq 0.5 \mu\text{m}$, $\geq 1.0 \mu\text{m}$, $\geq 2.0 \mu\text{m}$, $\geq 5.0 \mu\text{m}$
Maximum particle number concentration	140 000 000 particles/m ³ (coincidence loss max. 10 %)
Indicators	POWER, SENSOR, ALARM, DATALINK
Connection points	External diameter 5 mm
Input/output connectors	
RJ-45	Multi-point monitoring system
Alarm output	Max. load 20 V DC, 100 mA, open collector
Environmental conditions for operation	15 °C to 40 °C, max. 85 % RH (no condensation)
Power requirements	AC adapter (Input voltage: 100 to 240 V, 50/60 Hz)
Dimensions and weight	126 (H) x 87 (W) x 204 (D) mm (excl. protruding parts), approx. 2 kg
Supplied accessories	AC adapter, power cord, sampling tube (2 m), simple instruction manual

Example for multi-point monitoring sensor system configuration



Example for multi-point monitoring sensor system connection (using RP Monitor Evo10 K1701 Ver.3)



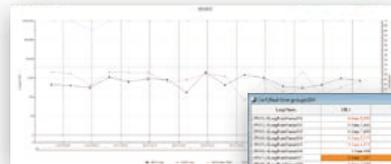
- Bus line cable maximum length: 1 000 m
- Signal cable maximum length: 30 m each

RP Monitor Evo10 K1701 Ver. 3

Option



- Enables control of particle counters including automatic operation, data collection, data display, filing, and printing
- Allows simultaneous control of up to 32 particle counters in serial mode and multi mode R (expanded connection up to 160 units)
- Compatible with Windows 10 (64 bit)



Real time graphs

List display

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