



Particle Sensor for Multi-point Monitoring Applications **KA-02**

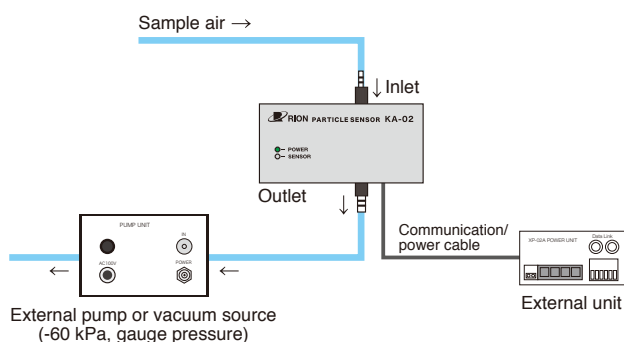
Ideal for configuring multi-point monitoring sensor systems



- 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 Evo10 K1701 Ver.3)

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 53 (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)

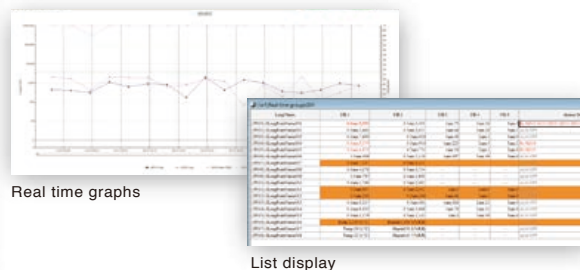
Basic configuration



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)




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