



CE

Particle Sensor for Multi-point Monitoring KA-05

Ideal for monitoring in sterile pharmaceutical manufacturing areas



*Photo shows multi-point monitoring type

- Compliant with ISO 21501-4 (JIS B 9921)
- Two particle size categories: $\geq 0.5 \mu\text{m}$, $\geq 5.0 \mu\text{m}$
- High flow rate: 28.3 L/min (with separate suction pump)
- Stainless steel chassis for improved resistance against chemicals
- Compatible with multi-point monitoring systems (RP Monitor Evo10 K1701 Ver.3)
- Support for 2-channel analog output (4-20 mA) (Factory option)



*Isokinetic probe and stand are options

Specifications

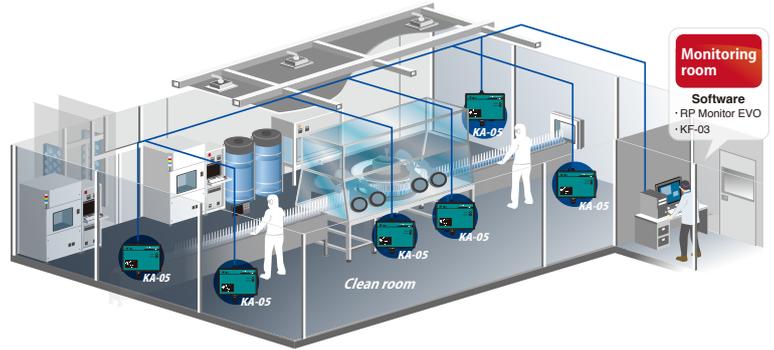
| | |
|----------------------------------|--|
| Optical system | Light scattering method |
| Light source | Semiconductor laser (wavelength 785 nm, rated output 70 mW) |
| Laser product class | Class 1, IEC 60825-1 |
| Light detector | Photodiode |
| Flow rate | 28.3 L/min |
| Particle size range | 2 channels: $\geq 0.5 \mu\text{m}$, $\geq 5.0 \mu\text{m}$ |
| Maximum particle density | 28 000 000 particles/m ³ (coincidence loss max. 10 %) |
| Indicators | POWER, SENSOR |
| Connection points | |
| Inlet | External diameter approx. 6.35 mm |
| Outlet | External diameter approx. 12.7 mm |
| Input/output connectors | |
| RJ-45 | Multi-point monitoring system, power input |
| Ambient conditions for operation | 15 to 40 °C, max. 85 % RH (no condensation) |
| Power requirements | 9 to 28 V DC (supplied by optional power supply unit) 15 to 28 V DC (when factory option for 4-20 mA output is installed) |
| Dimensions and weight | 90 (H) x 130 (W) x 56 (D) mm (excl. protruding parts), approx. 650 g |
| Supplied accessories | Hook-and-loop fastener, simple instruction manual |

| | |
|---------|---|
| Options | Isokinetic probe, power supply unit, output chamber, zero count filter + tube, sampling tube (internal diameter 6 mm, external diameter 8 mm), DIN rail set, stand, pump, USB A to USB mini B cable |
|---------|---|

| | |
|----------------|-----------------------------------|
| Factory option | Analog 2-channel output (4-20 mA) |
|----------------|-----------------------------------|

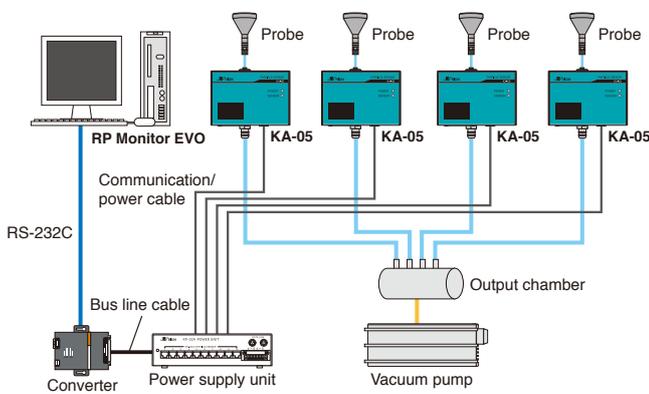
* This product is not equipped with a display.

Example for multi-point monitoring sensor system configuration

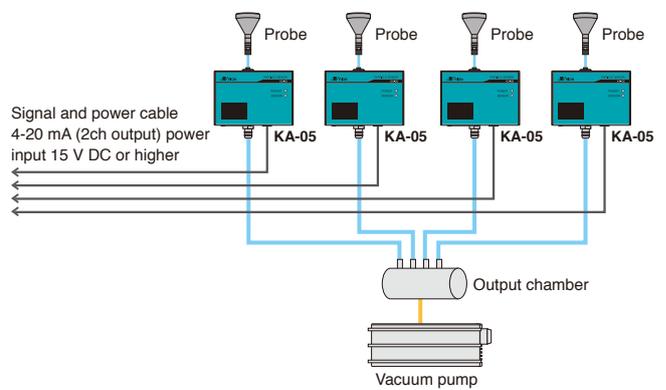


Connection example for multi-point monitoring sensor system

■ RP Monitor EVO system



■ 4-20 mA output system

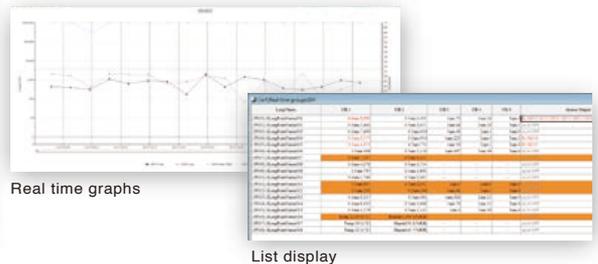


RP Monitor Evo10 K1701 Ver. 3/K1701P Ver. 3

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)
K1701P Ver.3: Conforms to 21 CFR Part11
- Operating system Microsoft Windows 10 Pro 64 bit



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* Specifications subject to change without notice.



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RION CO., LTD.
<https://www.rion.co.jp/english/>

3-20-41, Higashimotomachi, Kokubunji,
Tokyo 185-8533, Japan
Tel: +81-423-59-7878, Fax: +81-423-59-7458