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: ≥0.3 μm, ≥0.5 μm, ≥1.0 μm, ≥2.0 μm, ≥5.0 μm
- 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)
Example for multi-point monitoring sensor system configuration

Example for multi-point monitoring sensor system connection (using 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
- **Flow rate**: 2.83 L/min
- **Particle size range**: 5 channels: ≥0.3 μm, ≥0.5 μm, ≥1.0 μm, ≥2.0 μm, ≥5.0 μm
- **Maximum particle number concentration**: 140 000 000 particles/m³ (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 to operate**: 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) ×87 (W) ×204 (D) mm (excl. protruding parts), approx. 2 kg
- **Supplied accessories**: AC adapter, power cont, sampling tube (2 m), simple instruction manual

** RP Monitor Evo10 K1701 Ver. 3 **

- 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)

** Option **

- Real time graphs
- List display

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