



In-Liquid 0.05 μ m **Particle Sensor *KS-17***

In-Line Particle Sensor Helps to Manage Particle Contamination in Ultrapure Deionized Water



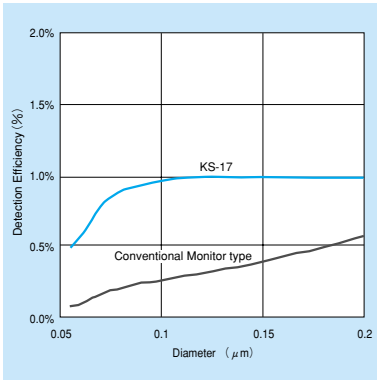
KZ-70 (shown at left in photo) is optional.

- Can be directly installed in equipment for on-site process control
- Sensor controller KZ-70 can be used for display, operation control, printout with printer, and other functions
- Multi-point monitoring system interface allows control from a computer (also in conjunction with KZ-70) directly
- Allows configuration of multi-point monitoring system (RP Monitor/KF-02A) (LMS)



Build a 20-Point Monitoring System With RP Monitor or Cover 100 Points With KF-02A

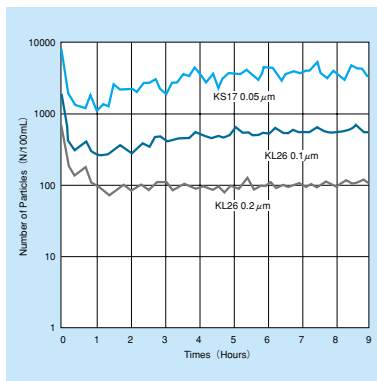
Particle Sensor KS-17 Characteristics



Counting efficiency and particle size
Counting efficiency is not significantly affected by particle size.

Particle measurement in pure water installations

(Comparison between KS-17 and KL-26)
Curves for 0.05 μm particle count and 0.1 μm particle count are well matched.



Specifications

Optical system: 90° sideways light-scattering method
Light source: Semiconductor laser (wave length: 830 nm)
Photo detector: 3-channel PIN photo diode
Material of component parts exposed to sample fluid: PFA, fused silica
Minimum diameter of countable particles: 0.05 μm
Measurement size range: ≥0.05 μm, ≥0.1 μm
Sample flow rate: 10 ml/m
Measurable particle: Particles in pure water
Counting efficiency: 1 ± 0.3%
Dimensions: 300 (W) × 173 (H) × 273 (D) mm
Weight: Approx. 6.5 kg

Sensor Controller KZ-70

Convenient on-site monitor for multi-sensor installations



- Accommodates up to six particle size channels.
- Maximum length of subline cables when running in controller mode: 300 meters.
- Maximum length of busline cables when running in monitor mode: 1 kilometer.
- Controller mode can be set to Manual, Automatic, and Repeat.

Monitoring System

RP Monitor **K9461** <Version 2, Version 3, Version 4>

- Software running on Windows 3.1 and Windows 95 makes automatic particle counter operation easy.
- <Version 2> Can drive all RION particle counters in RS-232-C mode.
- <Version 3> Using a RS-232-C/RS-485 converter, a multi-sensor monitoring system with up to 20 measurement points can be easily configured.

Multi-point monitoring system software

KF-02A series

- Support for maximum 400 sensor points, with recording, display, and printout of measurement results.
- Manifold type multi-tube system configuration possible (KF-02A series).

Specifications subject to change without notice.



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