

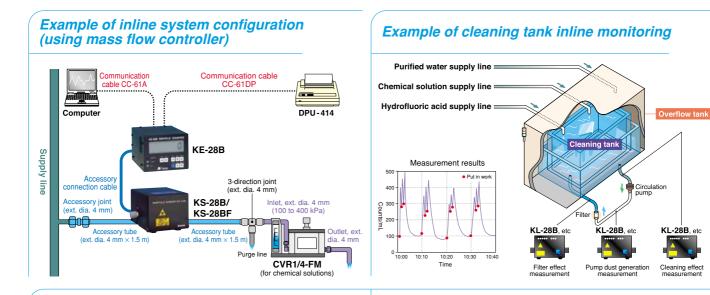
Liquid-borne Particle Counter KL-28B/KL-28BF

Compact and Integrated Use for Facility Monitoring System



- Two-channel measurement: ≥0.2 and ≥0.5 µmfor KL-28B, KL-28BF
- HF is usable as sample with KL-28BF
- Versatile array of interface: RS-232C,RS-485, 4-20 mA,1-5 V
- Multi-point monitoring is possible with optional software such as RP-monitor

Development not only of single unit but also monitoring systems with 20-point connection using RP monitors (K9462) and 248-point connection (KF-02B)



Options

Liquids

Operating pressure

Flow

Mass flow controller CVR1/4-FM

10 to 31.2 ml/min

0.1 MPa to 0.4 MPa

Optimal for simple inline measurement system flow control

Purified water and chemical solutions

Size & weight 125 (H) × 185 (W) × 110 mm (D) (excluding projecting parts), approx. 2.4 kg

Thermal printer DPU-414 (Seiko Instruments Inc.) Measurement data printouts, also driven by internal battery

Specifications (KL-28B/28BF are composed of display control unit KE-28B and detection unit KS-28B/28BF)

KS-28B/28BF

Due due transmere	The second se	1111 N. C. R. 111 N. R. 1. 1. 1
Product name	Light scattering liquid-borne particle detector	Light scattering liquid-borne particle detector
Model	KS-28B	KS-28BF
Optical system	Lateral light scattering system	
Light source	Laser diode: frequency 780 mm, rated output 40 mW	
Laser product classification	Class 1, compliant with IEC 60825-1 (2001)	
Light-sensitive element	Photodiode	
Liquid contact unit	PTFE, PFA, synthetic quartz	PTFE, PFA, sapphire
Particle diameter classification	0.2 μm 0.5 μm 2 stages for each particle diameter or more	
Rated flow	10 ml/min	
Maximum rated particle density	1 200/ml (with count loss 5 % in 0.2 μ m particles)	
Sample temperature range	15 °C to 35 °C (moisture is not to form in cell unit)	
Sample pressure range	300 kPa or less (gauge pressure)	
Liquid connection	Sample intake/discharge 2 mm × 4 mm flared tube joint	
Purge opening	Internal diameter 4 mm tube connection	
Input/output terminal		
CONTROL terminal	Connected to liquid-borne particle counter KE-28B	
Power supply	Supplied by liquid-borne particle counter KE-28B	
Size & weight	70 (H) \times 85 (W) \times 118 mm (D) (excluding joints and other projecting parts), approx. 600 g	
Accessories	Tube A vacuum pack \times 1, sensor cable \times 1, hexagonal bar wrench (across flat 2) \times 1	

KE-28B

Product name	Liquid-borne particle counter	
Model	KE-28B	
Particle diameter classification	2 stages (CH.1, CH.2), particle diameter depends on connection to particle detector	
Measured liquid volume	olume 10 ml, 100 ml, random volume (MAN)	
Automatic measurement	······	
External terminals		
CONTROL	Used for connection to particle detector	
SERIAL	Serial interface terminal (RS-232-C)	
12 VDC	DC power supply terminal	
Power supply 12 VDC (connection to 100 VAC using special AC adapter)		
Power consumption	Power consumption 100 VAC, 23 VA	
Size & weight	ize & weight 65 (H) × 85 (W) × 120 mm (D) (excluding projecting parts), approx. 400	
Accessories AC adapter X 1, electrical power cord X 1		

Printing method Heat sensitive serial dot system Imprinted 40 digit count AC adapter or battery Interface RS-232C

Size & weight 66.5 (H) × 160 (W) × 170 mm (D) (excluding projecting parts), approx. 0.7 kg • Printer cable CC-61DP (optional)

•Heat sensitive paper TP-14 (112 mm × 28 m/roll, 6 rolls) •Clean paper TP-26 (112 mm × 28 m/roll, 6 rolls)

Monitoring software RP-Monitor series •RP-Monitor K9461

•RP-Monitor K9461 Particle counter, sensor automatic measurement, data collection, graph production primarily for one-to-one connection

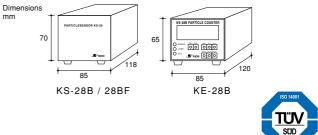
•RP-Monitor K9462 Small-scale multi-point monitoring system for connection to maximum 20 sensors

•KF-02B Large-scale multi-point monitoring system for connection to maximum 248 sensors

Multi point monitoring system interface KZ 45MC

Multi-point monitoring system interface KZ-45MG Required when combining KE-28B and sensor multi-point monitoring systems

External dimensions (excluding projecting parts)



* Specification subject to change without notice.



3-20-41,Higashimotomachi,Kokubunji,Tokyo 185-8533,Japan Tel: +81-42-359-7878 Fax: +81-42-359-7458 http://www.rion.co.jp/english/ ISO 14001 RION CO., LTD. ISO 9001 RION CO., LTD.

Distributed by:

