

## Airborne Particle Counter

## Measures 0.3 µm particles in 3 L/min sample airflow Validation-Related Technology



- JIS B 9921 compliant
- Simultaneous 5-stage particle measurement and display  $\geq 0.3 \ \mu m, \geq 0.5 \ \mu m, \geq 1 \ \mu m, \geq 2 \ \mu m, \geq 5 \ \mu m$
- Simpler operation made possible by automatic flow control
- Measurement results by thermal printer installed internally (measurement value, particle density, average value)
- Serial interface function enables communication with PCs
- D/A converter interface enables direct connection to measurement instruments (factory option)

## Specifications[KC-03B]

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0	ptical system	Light-scattering method						
Li	ght source	Laser diode, wavelength: 780 nm, rated output: 40 mW						
La	aser product class	Class 1, IEC 60825-1						
Li	ght detector	Photodiode						
FI	ow rate	3 L/min						
Si	ze range (5 channels)	≥0.3 µm, ≥0.5 µm, ≥1 µm, ≥2 µm, ≥5 µm						
Μ	aximum particle	30 000 particles/L (coincidence loss 5 %)						
nι	Imber concentration							
Measurement time								
	Random time	10 sec to 2 h and manual						
	Sample flow rate	1 L (20 sec), 2.83 L (57 sec), 10 L (3 m 20 sec), 28.3 L (9 m 26 sec)						
Μ	easurement	Accumulated value, differential value, particle density						
di	splay	(unit: 1 L, 28.3 L, 1 000 L)						
In	put/output connectors							
	ALARM	Terminals are shorted when the selected particle size						
		measurement value reaches the preset alarm level.						
	SERIAL	D-sub 9pin (male)						
In	ternal printer	Thermal line/dot						
Er	nvironmental	5 °C to 35 °C, 30 % to 80 %						
CO	nditions for operation	(no condensation if printer is used)						
P	ower	100 V to 240 V AC, 50/60 Hz, approx. 65 VA						
D	imensions and	Approx. 135 (H) × 300 (W) × 300 (D) mm						
weight		(excluding projections), approx. 7.3 kg						
A	ccessories	Sampling pipe × 1						
		Sampling tube (vinyl, $\phi$ 7 mm × $\phi$ 5 mm, 2 m) × 1						
		Air filter × 1						
		Power cord (for use in Japan, 2.5 m) × 1						
		Thermal paper TP-08 × 2						

Factory options	External start/stop					
	Outlet					
	D/A converter interface KZ-25-S01					
Options	Communication cable CC-61A/63A (9pin use)					
	Trunk* KC-01-521					
	Thermal paper TP-08 (6-roll pack)					
	Lint-free thermal paper TP-10 (6-roll pack)					
	*This is for storage only. It is not capable of any transportation.					

RP Monitor Evo10 K1701 Ver.2

Option

Used for controling particle counters to regulate the start/end of measurement and turn the light source/built-in pump on and off Measurement time, period, number of measurements, alarm, and conversion settings

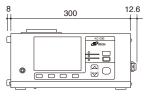
• Allows control of up to 8 particle counters in serial mode, using 8 ports.

Operating system: Microsoft Windows 10 Pro 64 bit

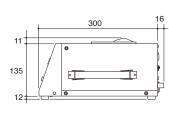
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Sample display

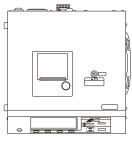
## External configuration (unit : mm)



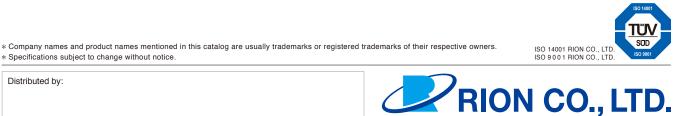
Front view



Side view



Top view



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