

RION Hand Held Particle Counter for Large Particles.

Used for measuring environments for assembly line, painting line of cars, press line and other industries.



Good entry model for cleanliness monitoring

Specifications

Light source Laser diode (Wavelength 780 nm, rated output 10 mW) Laser product class Class 1, IEC60825-1 Photodiode Sampling flow rate 2.83 L/min Size range 5 channels: ≥1 μm, ≥5 μm, ≥10 μm, ≥20 μm, ≥30 μm Measurement time/ Manual, any length (1 s. to 2 hours) 283 mL (6 s.), 1 L (21 s.), 2.83 L (1 min.), 10 L (3 min. 32 s.), 28.3 L (10 min. Count display modes Volume setting for conversion Number of continuous measurements Measurement interval Number of measurement conditions that can be saved Number of times measurement results can be stored Stored data format Stored data retrieval method Copy to SD card Copy to the connected PC via USB (KC-52 is recognized as a removable disc Alarm function Monitors the upper limit of the number of particles (when the count exceeds the predetermined level, a buzzer sound is heard), or measures the changes in the number of particles (Intervals between beeping sound: vary according to increase or decrease in the number of particles) Password function Only administrator can change the settings of measurement paramete Display Operating method Languages External terminal USB Mini B (for connecting to PC or printer) Data link terminal (for connecting to the multi-point monitoring system* Environmental conditions and weight AC adapter (include power cord), USB cable (A to Mini B), Stand,	Specifications	
Laser product class Class 1, IEC60825-1 Light detector Photodiode 2.83 L/min Size range 5 channels: ≥1 μm, ≥5 μm, ≥10 μm, ≥20 μm, ≥30 μm Measurement time/ Measurement volume 283 LL (6 s.), 1 L (21 s.), 2.83 L (1 min.), 10 L (3 min. 32 s.), 28.3 L (10 min. Count display modes Up to 99 Measurement interval Up to 24 hours (set as measuring period) Up to 3 patterns Conditions that can be saved Number of times measurement results can be stored Stored data format Stored data format Stored data retrieval method Copy to SD card Copy to SD card Copy to the connected PC via USB (KC-52 is recognized as a removable disc Alarm function Monitors the upper limit of the number of particles (when the count exceeds the predetermined level, a buzzer sound is heard), or measures the changes in the number of particles (Intervals between beeping sound: vary according to increase or decrease in the number of particles) Password function Only administrator can change the settings of measurement paramete such a particle of the modern particles (Intervals between beeping sound: vary according to increase or decrease in the number of particles) Password function Only administrator can change the settings of measurement paramete such panel, buttons Languages English, Japanese External terminal 10 °C to 40 °C, less than 85 %RH (no condensation) AC adapter (Input voltage: 100 to 240 V AC, 50/60 Hz) Lithium-ion battery (built-in type) Battery life: 3.5 hours, Charging time: 3.0 hours 304 (H) × 87 (W) × 55 (D) mm, approx. 780 g AC adapter (Include power cord), USB cable (A to Mini B), Stand, Hand strap, Zero count filter, Silicon tube	Optical system	Sideway light-scattering method
Light detector Sampling flow rate 2.83 L/min Size range 5 channels: ≥1 μm, ≥5 μm, ≥10 μm, ≥20 μm, ≥30 μm Measurement time/ Measurement volume Count display modes Volume setting for conversion Number of continuous Measurement interval Number of continuous Measurement tonditions that can be saved Number of imes measurement Stored data format Stored data retrieval method Alarm function Monitors the upper limit of the number of particles (when the count exceeds the predetermined level, a buzzer sound is heard), or measures the changes in the number of particles (intervals between beeping sound vary according to increase or decrease in the number of particles) Password function Display 3.5-inch color LCD panel Touch panel, buttons English, Japanese External terminal O'C to 40 °C, less than 85 %RH (no condensation) Dimensions and weight Supplied Accessories A Cadapter (Input voltage: 100 to 240 V AC, 50/60 Hz) Lithium-ion battery (built-in type) Battery life: 3.5 hours, Charging time: 3.0 hours Bisplay AC adapter (Include power cord), USB cable (A to Mini B), Stand, Hand strap, Zero count filter, Silicon tube, Carrying case, Isokinetic probe	Light source	Laser diode (Wavelength 780 nm, rated output 10 mW)
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Size range 5 channels: ≥1 μm, ≥5 μm, ≥10 μm, ≥20 μm, ≥30 μm Measurement time/ Manual, any length (1 s. to 2 hours) 28 mL (6 s.), 1 L (21 s.), 2.83 L (1 min.), 10 L (3 min. 32 s.), 28.3 L (10 min. Count display modes Count display modes Cumulative or differential Volume setting for conversion Number of continuous measurements Measurement interval Up to 99 Up to 24 hours (set as measuring period) Up to 3 patterns Conditions that can be saved Number of measurement conditions that can be saved Number of measurement size of measurement file) Stored data format Stored data retrieval method Copy to SD card Copy to the connected PC via USB (KC-52 is recognized as a removable disc Alarm function Monitors the upper limit of the number of particles (when the count exceeds the predetermined level, a buzzer sound is heard), or measures the changes in the number of particles (when the count exceeds the predetermined level, a buzzer sound is heard), or measures the changes in the number of particles (when the count exceeds the predetermined level, a buzzer sound is heard), or measures the changes in the number of particles (when the count exceeds the predetermined level, a buzzer sound is heard), or measures the changes in the number of particles (when the count exceeds the predetermined level, a buzzer sound is heard), or measures the changes in the number of particles (hen the settings of measurement paramete Display 3.5-inch color LCD panel Operating method Languages External terminal USB Mini B (for connecting to PC or printer) Data link terminal (for connecting to the multi-point monitoring system* Environmental conditions for operation Power AC adapter (Input voltage: 100 to 240 V AC, 50/60 Hz) Lithium-ion battery (built-in type) Battery life: 3.5 hours, Charging time: 3.0 hours 304 (H) × 87 (W) × 55 (D) mm, approx. 780 g AC adapter (include power cord), USB cable (A to Mini B), Stand, Hand strap, Zero count filter, Silicon tube, Carrying case, Isokinetic probe	Light detector	Photodiode
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Number of continuous measurements Measurement interval Number of measurement conditions that can be saved Number of times measurement results can be stored Stored data format Approx. 5 000 times (on a rotating principle, depending on the size of measurement file) Stored data format Text file in tab spaced value (TSV) format Copy to SD card Copy to the connected PC via USB (KC-52 is recognized as a removable disc the predetermined level, a buzzer sound is heard), or measures the changes in the number of particles (when the count exceeds the predetermined level, a buzzer sound is heard), or measures the changes in the number of particles (intervals between beeping sound: vary according to increase or decrease in the number of particles) Password function Only administrator can change the settings of measurement paramete Display 3.5-inch color LCD panel Operating method Languages External terminal USB Mini B (for connecting to PC or printer) Data link terminal (for connecting to the multi-point monitoring system* Environmental conditions for operation Power AC adapter (Input voltage: 100 to 240 V AC, 50/60 Hz) Lithium-ion battery (built-in type) Battery life: 3.5 hours, Charging time: 3.0 hours Dimensions and weight Supplied Accessories AC adapter (include power cord), USB cable (A to Mini B), Stand, Hand strap, Zero count filter, Silicon tube, Carrying case, Isokinetic probe	Count display modes	Cumulative or differential
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Dimensions and weight Supplied Accessories AC adapter (include power cord), USB cable (A to Mini B), Stand, Hand strap, Zero count filter, Silicon tube, Carrying case, Isokinetic probe	Power	AC adapter (Input voltage: 100 to 240 V AC, 50/60 Hz)
Supplied Accessories AC adapter (include power cord), USB cable (A to Mini B), Stand, Hand strap, Zero count filter, Silicon tube, Carrying case, Isokinetic probe		Lithium-ion battery (built-in type) Battery life: 3.5 hours, Charging time: 3.0 hours
Hand strap, Zero count filter, Silicon tube, Carrying case, Isokinetic probe	Dimensions and weight	304 (H) × 87 (W) × 55 (D) mm, approx. 780 g
	Supplied Accessories	AC adapter (include power cord), USB cable (A to Mini B), Stand,
FIF KC-52K has been used as continuous measurement sensor, we cannot provide the one-year warranty		Hand strap, Zero count filter, Silicon tube, Carrying case, Isokinetic probe
	※IF KC-52K has been used as	s continuous measurement sensor, we cannot provide the one-year warranty

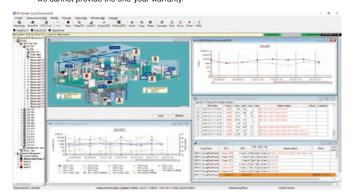
Optional Accessories	Printer DPU-S245, Thermal paper TP-34,
	Lint-free thermal paper TP-33,
	SD memory card (512 MB) SD-512M,
	RP Monitor Evo10 K1701 Ver.2/Ver.3

RP Monitor Evo10 K1701 Ver.2/Ver.3 Option

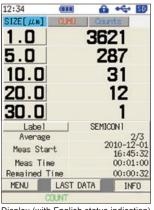
Operating system: Microsoft Windows 10 Pro 64 bit

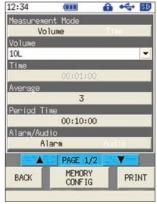
Allows for the use of a computer to collect data and control measurements. Allows for alarm settings to be configured for measured values.

*IF KC-52K has been used as continuous measurement sensor, we cannot provide the one-year warranty.



Display





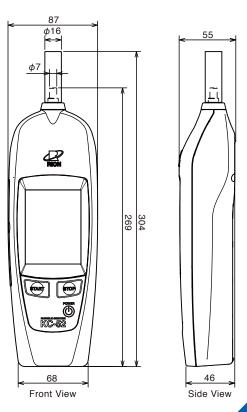
Display (with English status indication)

Measurement conditions settings screen

■ Dimensional Drawing (Unit : mm)



Top View



- * Company names and product names mentioned in this catalog are usually trademarks or registered trademarks of their respective owners.
- * Specifications subject to change without notice.



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