



RION



CE

Hand Held Particle Counter for Large Particles.

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



Data link terminal SD card slot USB terminal

Hand Held Particle Counter KC-52K

- Particle size range: 1, 5, 10, 20, 30 μm
- Approx. 5 000data storage
- Color touch panel LCD
- Environmental friendly rechargeable battery (lithium-ion)
- Good entry model for cleanliness monitoring

Specifications

| | |
|--|--|
| Optical system | Sideway light-scattering method |
| Light source | Laser diode (Wavelength 780 nm, rated output 10 mW) |
| Laser product class | Class 1, IEC60825-1 |
| Light detector | Photodiode |
| Sampling flow rate | 2.83 L/min |
| Size range | 5 channels: $\geq 1 \mu\text{m}$, $\geq 5 \mu\text{m}$, $\geq 10 \mu\text{m}$, $\geq 20 \mu\text{m}$, $\geq 30 \mu\text{m}$ |
| Measurement time/ Measurement volume | 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 | Cumulative or differential |
| Volume setting for conversion | 1 L, 28.3 L, 1,000 L, None |
| Number of continuous measurements | Up to 99 |
| Measurement interval | Up to 24 hours (set as measuring period) |
| Number of measurement conditions that can be saved | Up to 3 patterns |
| Number of times measurement results can be stored | 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 |
| 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 sounds vary according to increase or decrease in the number of particles) |
| Password function | Only administrator can change the settings of measurement parameter |
| Display | 3.5-inch color LCD panel |
| Operating method | Touch panel, buttons |
| Languages | English, Japanese |
| 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 | 10 °C to 40 °C, less than 85 %RH (no condensation) |
| 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 | 304 (H) × 87 (W) × 55 (D) mm, approx. 780 g |
| 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 |
| 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 |

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

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

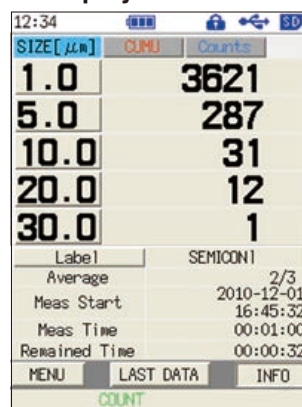
Operating system: Microsoft Windows 10 Pro 64 bit

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

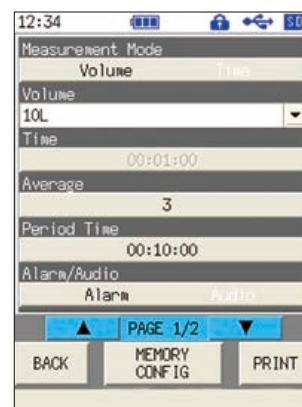
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Display

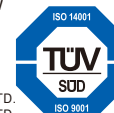
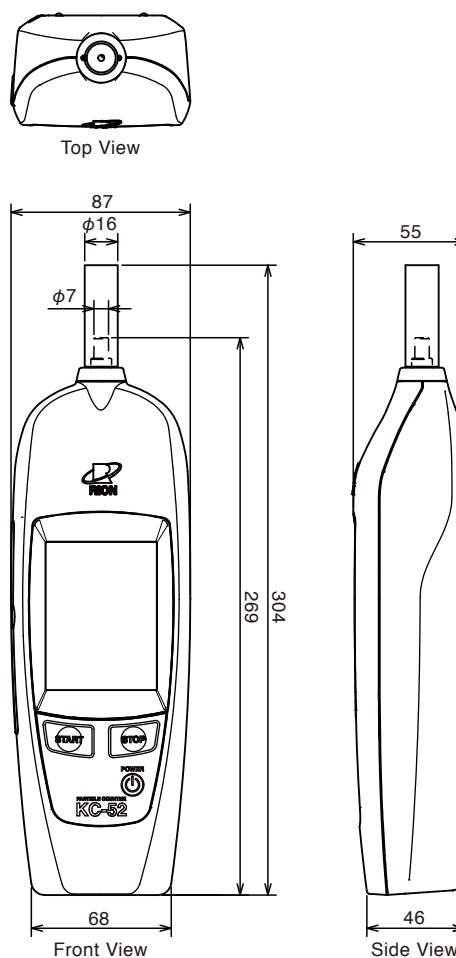


Display (with English status indication)



Measurement conditions settings screen

Dimensional Drawing (Unit : mm)



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* Specifications subject to change without notice.

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