

# Pulse Height Analyzer **KH-03**

**Allows Real-Time Analysis of Analog Signal From Particle Counter**  
**Suitable for In-Depth Particle Distribution Analysis or Monitoring Particle Count Fluctuations**



## *Increase Particle Counter Measurement Reliability*

- Creates histogram using pulse height analysis of pulse signal from particle counter (PHA mode)
- Allows observation of time-based pulse count fluctuations (MCS mode)
- Suitable for servicing particle counters and checking accuracy of particle size classification



## Pulse Height Analyzer KH-03

### Specifications

#### Common Specifications for Main Unit and Probe

- Input pulse detection frequency response: 1 kHz to 500 kHz
- Pulse height analysis resolution: 0.25 mV, 0.5 mV, 1 mV, 2 mV, 4 mV, 8 mV, 16 mV, 32 mV, 64 mV; depending on selected analysis voltage range (in order of setting items)

#### Main Unit Specifications

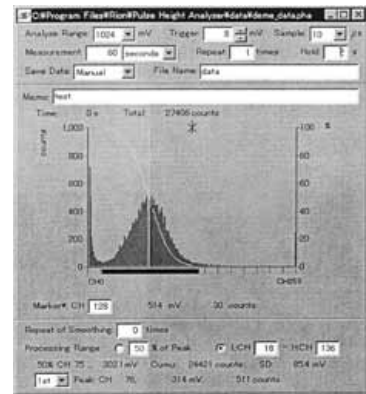
- Sample time: 2, 10, 20, 50, 100, 250, 500, 1000  $\mu$ s; selectable
- Tolerance within  $\pm 5\%$
- Non-detection interval: 1/10 of sample time
- Analysis modes: PHA mode (pulse height analysis), MCS mode (multi channel scaling)
- Pulse count memory: Size: 256 channels, Capacity (pulse count): 16 bits (65,535 counts) per channel
- Power requirements: 100 to 240 V AC ( $\pm 10\%$ ), 50/60 Hz, Rated power consumption 40 VA
- Dimensions: 300 mm (W)  $\times$  35 mm (H)  $\times$  240 mm (D) (without protruding parts)
- Weight: Approx. 1.9 kg

#### Probe Specifications

- Absolute maximum input voltage range:  $\pm 18$  V
- Input impedance: 1 M $\Omega$
- Input capacitance: 35 pF
- Input connector: BNC
- Main unit connection cable: Length 2 m
- Dimensions: 53 mm (W)  $\times$  28 mm (H)  $\times$  75 mm (D) (without protruding parts and cable)

## Example for Pulse Height Analysis

### ● PHA mode

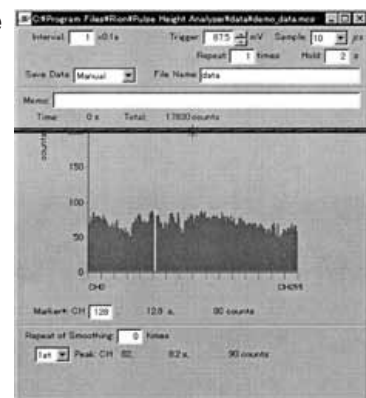


Parameter

Measurement results

Analysis results

### ● MCS mode

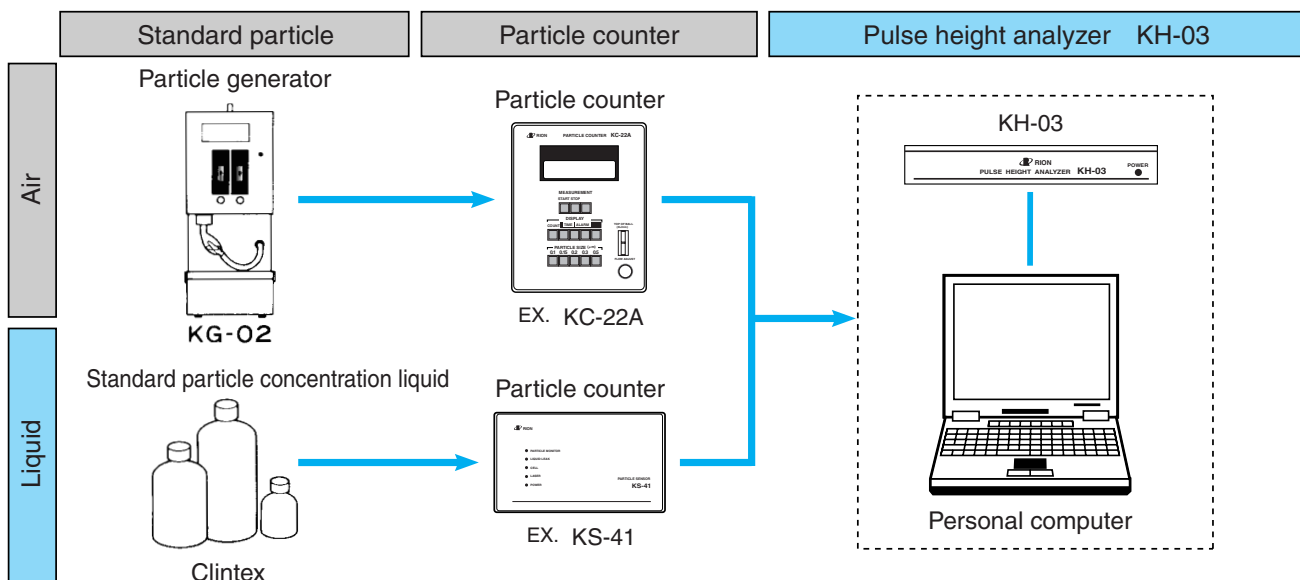


Parameter

Measurement results

Analysis results

## Example for system



Specifications subject to change without notice.

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