Pulse Height Analysis Software

KF-50A

Allows Real-time Analysis of Signal From Particle Counter

- Displays results of pulse height analysis as performed in particle counter
- Automatically calculates particle sizes from voltage values for display
- Suitable for noise check of samples with noise rise such as photoresist
- Ideal for maintenance purposes and for assuring particle counter classification accuracy
- Particle distribution data can be used to test particle generator stability
Specifications

Supported products
Rion products with integrated pulse height analysis function

Operation environment
Hardware platform: IBM PC/AT compatible computer
Operating system: Windows XP Professional/Home Edition, SP2 or later
Other equipment: CD drive, USB interface, Serial interface

Basic operation and functions
Measurement modes
Automatic measurement, Automatic repeated measurement

Measurement items
Voltage analysis ranges
39,063 μV, 78,125 μV, 156,250 μV, 312,500 μV, 625,000 μV, 1,250,000 μV, 2,500,000 μV, 5,000,000 μV

Pulse height analysis function
For each voltage analysis range:
153 μV, 305 μV, 610 μV, 1,221 μV, 2,441 μV, 4,883 μV, 9,766 μV, 19,531 μV

Measurement end conditions
Measurement time 1 to 6,000 s, 1-second steps
Total count 1 to 100,000 particles, 1-particle steps

Display
Graph: Number of pulses for each pulse height value (channel) shown as histogram
Vertical axis full-scale point switching (automatic, manual)
Vertical axis scale switching (linear, logarithmic)
Measurement time and total count, cumulative percentage graph, marker

Numeric table
Peak search, calculate cumulative count 50% voltage and standard deviation, smoothing, voltage to particle size conversion, add memo, copy screen, save/load measurement results, print measurement results

Supplied accessories
Protection key x 1

Options
Protection key (for license)
Communication cable CC-61A

System configuration example

Pulse height analysis example

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