



KQ-3010S

HEPA Filter Counting Leak Tester

The KQ-3010S HEPA filter counting leak tester is a precision testing instrument independently developed by our company for leak tester of high-efficiency filters in cleanrooms. This instrument adopts the photometer method for leak tester, and verifies whether the filter leaks by introducing aerosol particles and detecting the upstream and downstream concentrations.

The product is applied in leak test verification of filtration systems in pharmaceutical, electronics, biology, and research clean laboratories; leak verification of filters in clean benches, biosafety cabinets, glove boxes, and sterile isolation systems; and leak test verification for filter manufacturers. It complies with the requirements of specifications such as ISO14644-3:2019, JJF1800-2020 Calibration Specification for Aerosol Photometers, JJF1815-2020 Calibration Specification for Class II Biosafety Cabinets, YY0569-2011 Biosafety Cabinets, and GB/T 13554-2020 High-Efficiency Filters.

The KQ-3010S HEPA filter leak tester consists of two instruments: the photometer KQ-3018 and the aerosol generator KQ-6C.



KQ-3018



KQ-6C

Technical parameters

Model	KQ-3018
Sampling Flow Rate	28.3L/min
Concentration Range	0.0001-300ug/L (mg/m ³)
Resolution	0.0001ug/L
Accuracy	10% of reading (0.01%FS-100%FS)
Repeatability	<3%
Auto Zero	Zero reconstruction
Self-Purification Time	≤1min
Aerosol Type	PAO-4, etc.
Storage	Can store 1000 groups of data; historical data can be displayed and exported in various forms such as graphs, lists, and reports
Printing	External thermal printer
Communication	RS484 interface (Modbus-RTC protocol), USB interface
Power Supply	200-240VAC, 50Hz
Dimensions (mm)	Width 260 * Depth 370 * Height 160
Material	Metal painted shell
Weight	10Kg
Operating Environment	Temperature: 10°C-35°C, Humidity: 20%-75%, Atmospheric Pressure: 86kPa-106kPa

Model	KQ-6C
Applicable Aerosol Types	PAO, DOP, DEHS, paraffin oil
Applicable Flow Range	50-2000CFM
Generation Type	Cold smoke generation
Nozzle Type	Laskin Nozzle
Number of Nozzles	2 or 6
Generation Concentration	10μg@2000cfm, 100μg@200cfm
Generated Particles	0.1-10μm polydisperse
Air Source	Built-in compressor
Enclosure	304 stainless steel
Dimensions (mm)	Width 250 * Depth 280 * Height 300
Weight	15Kg
Power Supply	220V
Applicable Aerosol Types	PAO, DOP, DEHS, paraffin oil



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