

KQ-FY720

Bioaerosol Sampler with an Integrated Desktop Sampling Head

The KQ-FY720 bioaerosol sampler with an integrated desktop sampling head is a high-efficiency multi-hole suction sampler. The instrument has a flow rate of 100L/min and an impact velocity of 10.8m/s, which meets the requirements of the 5th level of Anderson impact grade, and finally ensures that all microbial particles larger than 1 μ m in the environment are collected.

The instrument adopts a 4.3-inch intelligent touchscreen, featuring user-friendly human-computer interaction and efficient and fast operation. It can be equipped with a Bluetooth printer, greatly improving the user experience.

The shell is designed with a professional industrial design scheme, and the entire body is made of 304 stainless steel, presenting a high-end and elegant appearance. This instrument is widely used in clean scenarios such as pharmaceutical research and development, biological laboratories, and medical operating rooms.



Product Features

- 397-mesh ϕ 0.7mm micro-hole stainless steel sampling head reduces bacterial overlap, minimizes microbial counting errors, and reduces secondary pollution.
- 4.3-inch high-definition touchscreen with higher resolution and faster response.
- User-friendly human-computer interaction with simple and direct operation, reducing user learning costs and improving user experience.
- High sampling flow rate of 100L/min shortens sampling time and improves sampling efficiency.
- Impact velocity of 10.8m/s, in line with the 5th stage of the Anderson impact principle, ensuring that all microbial particles > 1 μ m are captured.
- 20,000 groups of data storage, supporting one-click PDF export via USB flash drive for data download anytime and anywhere; Bluetooth printing is optional.
- Supports preset functions for 400 room points, enabling one-click selection and quick sampling.
- Supports 20-user management, password complexity management, and multi-level authority management.
- Supports audit trail and log management, which can be queried, traced, and controlled, complying with FDA 21CFR PART11 specifications.
- Supports calibration reminder function to prompt users for timely metering and ensure normal use of the instrument.
- More professional industrial design with a compact size for easy carrying.)
- Supports on-site data printing via Bluetooth printer (optional)
- Supports floor stands for adjustable sampling height (optional)

Technical parameters

Model	KQ-FY720
Sampling Flow Rate	100L/min±5%
Sampling Volume	1-50000L (configurable)
Impact Velocity	10.8m/s
Sampling Head	397-mesh φ0.7 micro-hole, reducing bacterial overlap and minimizing microbial counting errors
Petri Dish	φ90*15mm standard universal petri dish
Screen Display	4.3-inch IPS touch color screen
Operating Voltage	DC16.8V/2A
Battery Life	≥6 hours
Power	Input AC100-240V/50HZ, Output DC16.8V/3A
Charging Time	1.5 hours
Metering Reminder	Calibration reminder function to prompt users for timely metering
Preset Points	Supports preset functions for 400 room points, enabling one-click selection and quick sampling
Data Storage	20,000 entries
Data Export	USB flash drive export + USB communication export, export format PDF
Data Security	20-user management, password complexity management, multi-level authority management
Printing Requirement	Optional Bluetooth printer for printing
Calibration Reminder	Calibration reminder function to prompt users for timely metering and ensure normal use of the instrument
Audit Trail	Queryable, traceable, controllable, complying with FDA 21CFR PART11 specifications
Calibration Specification	ISO14698-1/2, GB/T16293-2010
Material	304 stainless steel
Dimensions (mm)	Width 160 * Depth 230 * Height 168
Weight (including battery)	4.6Kg
Operating Environment	Temperature 0~40°C, Humidity 10%~90% (no condensation)
Storage Environment	Temperature -10~50°C, Humidity 0~90% (no condensation)

Inject Soul Into The Cleanroom



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