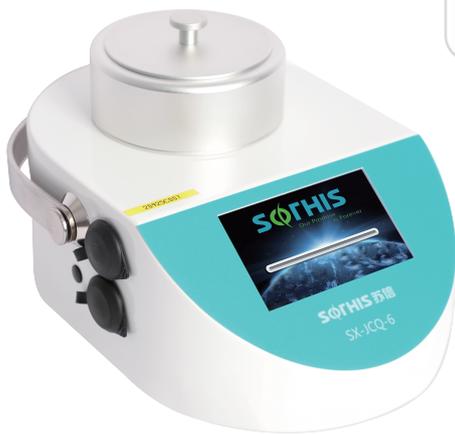


Introduction to plankton sampler



ISO 14698-1/2
GMP
GB/T 16293-2010

model :SX-JCQ-6

The SX-JCQ-6 sampler is an efficient micro-porous inhalation sampler based on the Anderson impact fifth-level principle. The instrument's suction device uses a multi-hole sampling head to directly inhale microbial particles through micro-pores onto an agar plate, and the number of colonies is confirmed through colony culture.

Inside the SX-JCQ-6, there is an efficient centrifugal fan and flow sensor, maintaining a sampling flow rate of $100\text{L}/\text{min} \pm 5\%$. When external factors affect the flow rate, the instrument automatically adjusts to ensure stable flow.

Since microbial and dust particle contamination can impact production and process flows, the demand for environmental microbial (dust) detection has been increasing. Microbial monitoring is particularly important in industries such as pharmaceuticals, food, hospitals, cosmetics, and environmental protection.

The professional airborne bacterial sampling head of the SX-JCQ-6 is made of anodized aluminum alloy, ensuring compliance with ISO 14698-1 technical standards. The surface is smooth and clean, and it features professional laser drilling with $\Phi 0.7\text{mm} \times 397$ holes, ensuring a particle velocity of $10.8\text{m}/\text{s}$, which captures particles larger than $1\mu\text{m}$.

SOTHIS 苏信

merit

- It has a 4.3-inch true color touch screen, which makes it easy to display and operate
- The flow closed loop is self-regulated and stabilized at $100\text{L}/\text{min} \pm 5\%$
- Built-in lithium battery pack for portable use
- Supports data storage and can record and trace past data
- Support audit tracking and personnel operation record storage
- Support user management and configuration of three levels of permissions
- WiFi and LORA communication to enhance security
- It is equipped with a Bluetooth printer to print sampling data
- Supports USB export, which can export data sampling records and audit trace records
- Low noise, provide a comfortable working environment

function

- Provides a stable flow of $100\text{L}/\text{min} \pm 5\%$
- 4.3 inch touch screen, simplified operation
- The flow regulator ensures the sampling flow
- $\Phi 0.7\text{mm} \times 397$ holes to ensure the impact rate reaches $10.8\text{m}/\text{s}$
- Complies with ISO 14698-1/2 standard

apply

- Microbial air sampling in clean rooms and associated controlled environments
- Microbial sampling control
- Microbial monitoring in medical device production environment

Introduction to plankton sampler



model	SX-JCQ-6
Display screen	4.3-inch touch screen
Sampling flow	100L/min \pm 5% sampling flow closed-loop automatic adjustment
Single sample size	1-6000L
Sampling delay	User set (0~14400 seconds)
District management	You can preset 400 sampling areas and save the configuration parameters independently
Agar plates	Φ 90mm \times 15mm
Vacuum power source	The imported fan works stably continuously, energy saving and environmental protection
Meet a criterion	GMP、ISO 14698-1/2、GB/T 16293-2010
User management	250 users, separate passwords
Authority management	Three levels of permission, data storage and retrieval, printing
Data memory capacity	1~30,000 sets of measurement data and 1~60,000 sets of audit tracking records can be queried
Operate time	The continuous test time is 6 hours with full charge
Charge power supply	Communication (220V/50Hz)
Built-in lithium battery	DC 14.8V 6.6Ah
Charging adapter	Input 100V-240V 1.3A, output 24V 3.75A
Battery charging time	6 to 8 hours
Data communication interface	RS485: ModbusRTU protocol, Ethernet: ModbusTCP/IP protocol
Environment	Usage environment: temperature 0~40°C relative humidity 10~70%RH Storage environment: temperature-30~45°C relative humidity 0~90%RH
Outline dimension	Length 180 x width 260 x height 182 (mm)
Material quality	AL6061 Anodized aluminum alloy
Power	\leq 0.2KW
Weight (including battery)	2.7kg
Other accessories	RS485 terminal, power adapter, Bluetooth printer
Quality Assurance	The warranty is 1 year, and optional extended warranty service can be selected

