Biological Air Sampler

KBAS-100

Description

The KLABS Biological Air Sampler (Model: KBAS-100) is a high-efficiency microbial air sampling instrument designed for environmental monitoring in clean environments. The sampler operates at a flow rate of 100 LPM with an impact velocity of 19.33 m/s, meeting the requirements of Andersen Impact Level 5 to ensure efficient collection of airborne microbial particles larger than 1 µm.

The instrument features a 5-inch touch screen display for easy operation and quick configuration of sampling parameters. The device can be connected to a Bluetooth printer for convenient data printing. Its professional industrial design with an aluminum alloy body ensures durability and reliability for continuous use.

Advantages

Comply national standard | Microspore collection | Sample vol- optional | LCD Display | Big storage data | Innovative design | Stable performance

Features

- 5-inch color touch screen display
- Airflow rate of 100 LPM ±5%
- Autoclavable sampling head and dust cover
- 100 programmable sampling areas
- 200 programmable locations per area
- Continuous and periodic sampling modes
- Programmable delay start function
- Supports Bluetooth printer connectivity
- Data storage up to 320,000 records
- Compliant with 21 CFR Part 11

Uses

- Microbial air sampling
- Cleanroom contamination monitoring
- Environmental microbial testing
- Pharmaceutical quality control

Applications

- Pharmaceutical clean rooms
- Biological laboratories
- Medical laboratories
- Environmental monitoring
- Sterile manufacturing areas

Technical Specifications

Parameter	Specification
Model	KBAS-100
Flow Rate	100 LPM
Sampling Head	305 holes, 0.6 mm diameter
Collection Media	Standard 90 mm Petri Dish
Display	5 inch TFT Touchscreen
Control	Touchscreen Interface
Power Supply	Built-in Rechargeable Li-ion Battery
Battery Backup	Up to 8 hours
Data Storage	Internal Memory + USB Export
Body Material	Aluminum Alloy
Dimensions	150 × 150 × 280 mm
Weight	Approx. 2.6 kg
Compliance	ISO 14698, GMP, GLP