

BAS-Eco

BioAerosol Sampler-Economic



CAPABILITY & FEATURE

- Economic and portable. Designed for use in ISO and GMP standard cleanrooms and aseptic manufacturing areas.
- 100 LPM flow rate, built-in mass flow meter.
- Complies with ISO 14698-1 and meets the requirements of EU GMP Annex 1



MICRONVIEW

PRODUCT INTRODUCTION

- Sealed anodized aluminum enclosure protects against moisture, dust and chemical ingress, and is resistant to disinfectants commonly used in cleanrooms.
- Air is impacted on the agar surface through the perforated cover; meeting isokinetic sampling requirements for a range of flow rates.
- In the event that there's a change in inlet pressure or resistance, a built-in high precision mass flowmeter will detect the air flow automatically and adjust the blower speed in real-time with millisecond frequency to ensure $\pm 2.5\%$ flow accuracy.
- Reduced weight, compact screen design, meeting the client's requirements for economic and efficient sampling.

SAMPLING

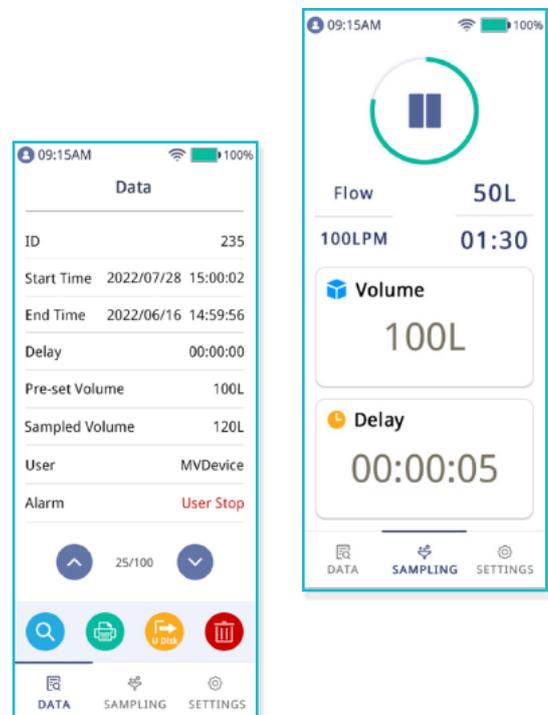
PRACTICAL AND PERCISE

- Quickly and easily set sampling specifications
- 4" Rapid response touch screen
- Supports remote sampling

DATA

SIMPLE AND FLEXIBLE

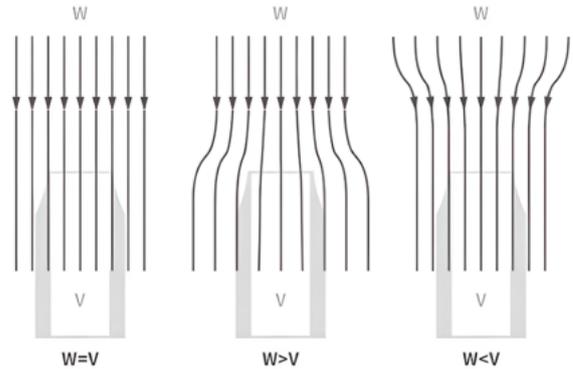
- Simple interface design, quick search capability
- One-click report export and printing
- Wireless connection with the APC and BAMS to support automatic sampling



PRODUCT APPLICATION

- ISOKINETIC SAMPLING**

When performing isokinetic sampling, the sampler is designed so that the airflow direction into the inlet of the sampling head is consistent with the average velocity of the unidirectional airflow through the sampling head.



The flow velocity above the sampling head is 0.4m/s, consistent with isokinetic sampling

V =Sampling speed of sampling head
 W =Speed of unidirectional flow

- REMOTE SAMPLING (up to 8m)**

Allows the BAS-Eco to be used for sampling in an isolator, biological safety cabinet, horizontal laminar flow, clean workbench or other significant zones.



Vertical Flow Sampling



Horizontal Flow Sampling

- COMPRESSED GAS SAMPLING**

Compressed gas is decompressed to atmospheric pressure by the **High Pressure Diffuser (HPD)** accessory. This gas is then transported to the BAS-Eco for sampling.



SPECIFICATION SHEET

Specification	BioAerosol Sampler-Economic I BAS-Eco
Flow	100L/min ±2.5%
Flow rate control	Built-in mass flow meter
Sampling volumes	1-6000L
Delay	0-23hours 59 minutes 59 seconds
Sampling head	Φ0.60mm*280 holes (100LPM) Anodized Aluminum(316L stainless steel available, customizable sampling head)
D50	1.08µm (100LPM; Φ0.60mm*280 holes)
Weight / Dimensions (HXWXD)	2.9Kg(6.4lbs)(Include Battery) Dimensions(without footmat) 218× 120× 120mm/8.58× 4.72× 4.72in
External surface	Anodized Aluminum
Power	AC 100-240V, 50 Hz/60 Hz
Battery	10.8V, 6800mAh rechargeable lithium battery
	Battery last ≥10 hours (100LPM)
Communication	USB, WIFI
Application extension	Wireless connection with the APC and BAMS to support triggered sampling
Data storage	20,000 sets of records
Alarm	LED lighting and beep
Display	4"capacitive touch screen
Language	English, Chinese
Calibration frequency	Annual calibration is recommended
Operation conditions	Temperature: 5°C-35°C(41°F -95°F), 5-90% RH non-condensing
Storage conditions	Temperature: 0°C-40°C(32°F -104°F), 5-90% RH non-condensing
Safety	EN 61010-1:2010+A1:2019, EN 61326-1:2013, EN IEC 61326-1:2021, EN 61000-6-1:2007, EN 61000-6-3:2007+A1
Warranty	24 months (calculated from the date of product activation or six months after the date of manufacture, whichever comes first)

ORDERING INFORMATION

Name	Model	Order No.
BioAerosol Sampler-Economic BAS-Eco	C2111	MACHC2111
Sampling Head	Order No. (Anodized aluminum)	Order No. (Stainless steel)
Φ0.60mm*280 holes (100L/min)	S2.A112	S2.S112

MICRONVIEW

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