MICRONVIEW

Certified with: CE UKCA

BAS-Pro

BioAerosol Sampler-Professional



CAPABILITIES & FEATURES

- Highly portable, impaction based microbial air sampler
- Three user-interchangeable flow rates: 28.3LPM, 100LPM, 200LPM
- Built in, high efficiency exhaust air filter
- Complies with ISO 14698-1 and meets the requirements of EU GMP Annex 1

PRODUCT INTRODUCTION

- Sealed 316L stainless steel enclosure protects against moisture, dust and chemical ingress, and is resistant to disinfectants commonly used in cleanrooms.

- Based on the Andersen impact method, air is impacted on the agar surface through the perforated cover at a speed of nearly 21m/s.

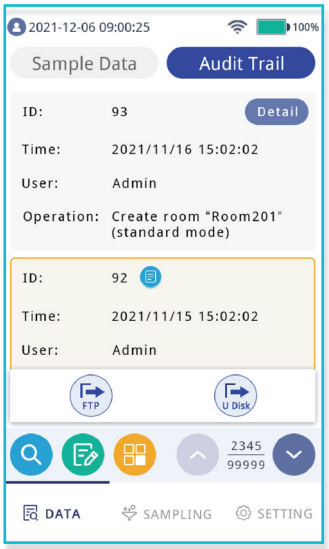
- In the event that there’ s a change in inlet pressure or resistance, built-in high precision mass flowmeter that will detect the air flow automatically and adjust the blower speed in real-time with millisecond frequency to ensure ±4% (28.3L/min) , ±2.5%(100L/min)and ±3% (200L/min) flow accurancy.

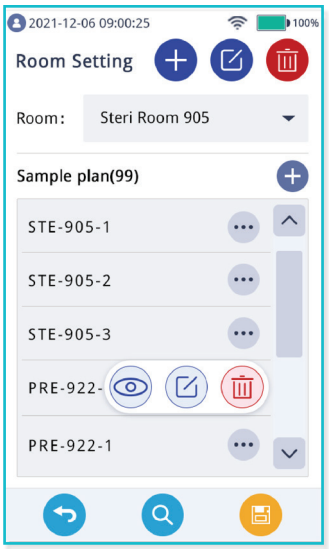
- Built in HEPA filtered exhaust prevents re-contamination from the environment to the end product.

SAMPLING

INTUITIVE AND STREAMLINED

- Clear and distinct sampling process
- Intelligent sampling mode enables continuous, cyclic and remote sampling
- 5"Rapid response touch screen
- Compact size allows for easy portability





DATA

SIMPLE AND FLEXIBLE

- Available audit trails provide a record of all critical events.
- One-click report export and printing.
- Wireless connection with the APC and BAMS to support automatic sampling.

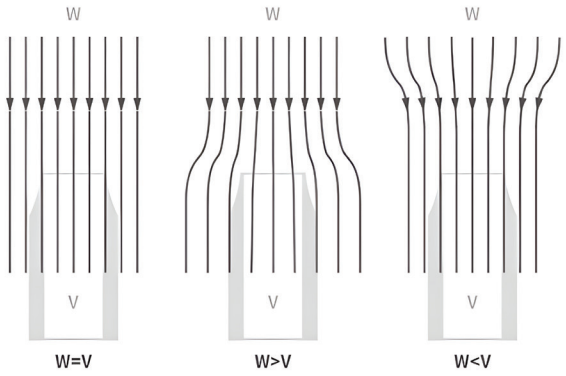
PRODUCT APPLICATIONS

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 flow through the sampling head.



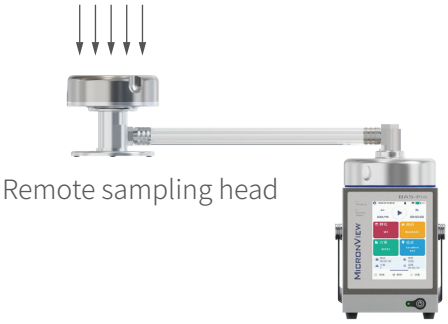
The flow velocity above the sampling head is 0.4m/s, consistent with isokinetic sampling.



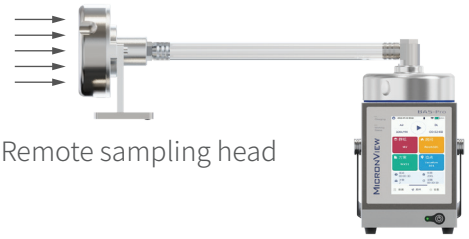
V=Sampling speed of sampling head
W=Speed of unidirectional flow

REMOTE SAMPLING (UP TO 8M)

Allows the BAS-Pro to be used for sampling in an isolator, biological safety cabinet, horizontal laminar flow clean workbench and 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-Pro for sampling.



High Pressure Diffuser

SPECIFICATION SHEET

Specification	BioAerosol Sampler-Professional I BAS-Pro		
Flow	28.3L/min ±4%	100L/min ±2.5%	200L/min ±3%
Flow rate control	Built-in mass flow meter		
Zone	20,000 groups, 20,000 rooms, 500 locations for each room, up to 20,000 locations		
Sampling volumes	1-6000L		
Delay	0-23 hours 59 minutes 59 seconds		
Cycles	1-999 cycles		
Interval	00:00:00, 00:00:05-23 hours 59 minutes 59 seconds		
Sampling head	Φ0.32 mm*280 holes (28.3LPM)	Φ0.60 mm*280 holes (100LPM)	Φ0.70 mm*400 holes (200LPM)
	Anodized Aluminum(316L stainless steel available, customizable sampling head)		
D50	0.79μm (28.3LPM; Φ0.32 mm*280 holes); 1.08μm (100LPM; Φ0.60 mm*280 holes); 1.15μm (200LPM; Φ0.70 mm*400 holes)		
HEPA	Exhaust HEPA filter efficiency ＞99.999% for particles @0.3μm		
Weight / Dimenssions (HXWXD)	Weight: 3.6kg(7.9lbs)(with battery); Battery weight: 0.3Kg(0.7lbs); Dimensions: 186×115×204mm; 7.32×4.53×8.04in(without footmat)		
External surface	316L stainless steel		
Power	AC 100-240V, 50 Hz/60 Hz		
Battery	10.8V, 6800mAh rechargeable lithium battery		
	Battery last ⩾7 hours (28.3LPM)	Battery last ⩾7 hours (100LPM)	Battery last ⩾3 hours (200LPM)
Communication	USB, WIFI		
Application extension	Wireless connection with the APC and BAMS to support triggerd sampling		
Data storage	20,000 sets of records		
Alarm	LED lighting and beep		
Display	5"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), 5-95% 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)		

Name	Model	Flow rate
BioAerosol Sampler-Professional | BAS-Pro	C2121	28.3LPM; 100LPM; 200LPM
BioAerosol Sampler-Professional VHP | BAS-Pro VHP	C2122	28.3LPM; 100LPM; 200LPM

Note: BAS-Pro VHP is a customized model of BAS-Pro with corrosion resistant components to support sampling when VHP is in the environment.

Sampling Head	Order No. (Stainless steel)
Φ0.32mm*280 holes (28.3L/min)	S2.S311
Φ0.60mm*280 holes (100L/min)	S2.S112
Φ0.70mm*400 holes (200L/min)	S2.S231

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