

MICRONVIEW

BAS-Pro

BioAerosol Sampler-Professional



- Highly portable, impaction based microbial air sampler
- 28.3, 100LPM flow rate pre-selectable
- Built in, high efficiency exhaust air filter
- Complies with ISO 14698-1 and meets EU GMP Annex 1

Product Features

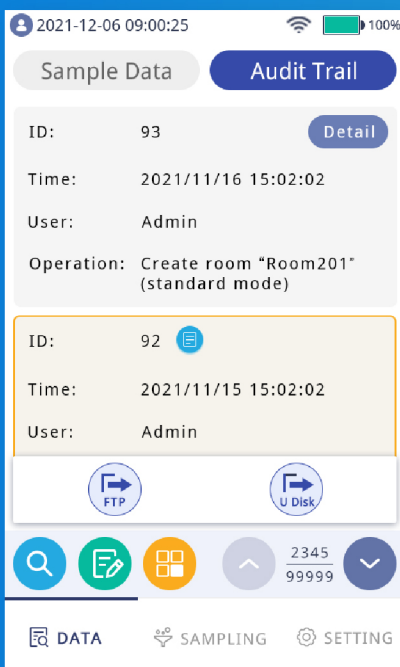
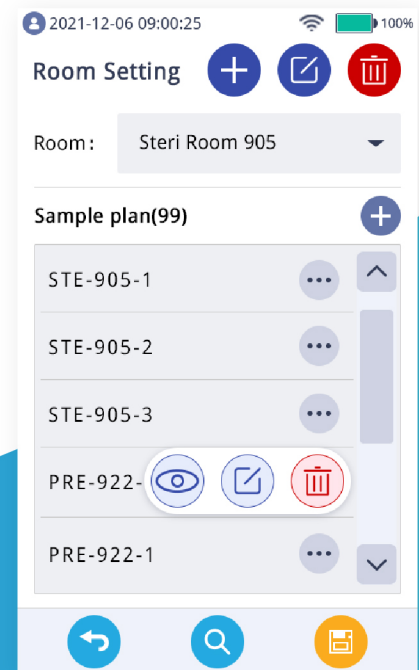
Accurate; Reliable

- Sealed 316L stainless steel enclosure protects against moisture, dust and chemical ingress, resistant to disinfectants commonly used in cleanrooms.
- Based on the principle of 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 a $\pm 2.5\%$ flow accuracy.
- Built in HEPA filtered exhaust prevents re-contamination from the environment to the end product.

Sampling

Distinct and Direct

- Small size, easy to carry and place
- 5" Rapid response touch screen
- Intelligent sampling mode enables continuous, cyclic and remote sampling



Data

Detailed and Flexible

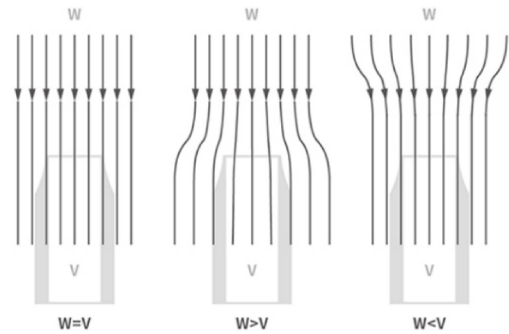
- Audit trails allow for documentation and a record of events when further analysis due to concerns around data integrity arise
- One-click report export and printing
- Wireless connection with the APC and BAMS to support triggered sampling

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.



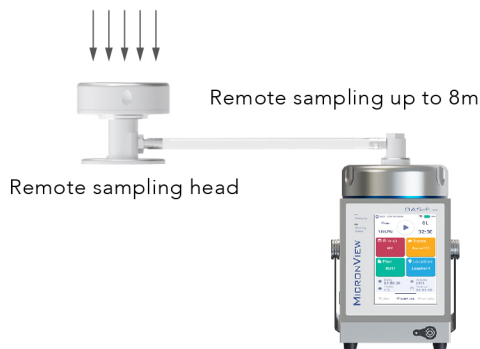
The flow velocity above the sampling head is 0.4m/s, consistent with isokinetic sampling.



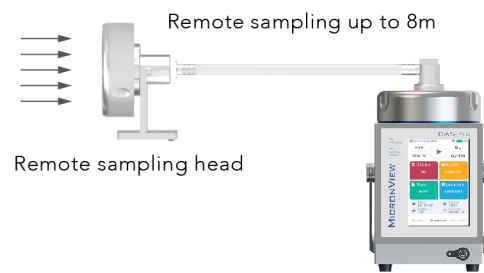
V=Sampling speed of sampling head
W=Speed of unidirectional flow

Remote Sampling

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) and transported to the BioAerosol Sampler-Professional for sampling.



Specification Sheet

Specification	BioAerosol Sampler-Professional BAS-Pro	
Flow rate	28.3L/min \pm 2.5%; 100L/min \pm 2.5%	
Flow rate control	Built-in mass flow meter	
Zone	Over 20000 locations	
Sampling volumes	1-6000L, 6 default volumes	
Delay	0-59 minutes 59 seconds	
Cycles	1-99 cycles	
Interval	0-59 minutes 59 seconds	
Sampling head	Φ 0.32 mm*280 holes (28.3LPM)	Φ 0.60 mm*280 holes (100LPM) 316L stainless steel(customizable sampling head)
D50	0.79 μ m (28.3LPM; Φ 0.32 mm*280 holes); 1.08 μ m (100LPM; Φ 0.60 mm*280 holes)	
HEPA	Exhaust HEPA filter efficiency \geq 99.999% for particles \geq 0.3 μ m	
Weight/Dimensions	3.565Kg(7.86lbs)(with battery); Battery weight 0.313Kg(0.69lbs); Dimensions(without footmat) 186(H) \times 115(W) \times 204.2(D)mm; 7.32(H) \times 4.53(W) \times 8.04(D)inches	
External surface	316L stainless steel	
Power	AC 100-240V, 50 Hz/60 Hz	
Battery	10.8V, 6800mAh rechargeable lithium battery Battery last \geq 10 hours (28.3L/min) Battery last \geq 10 hours (100L/min)	
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	5" capacitive touch screen	
Language	English, Chinese	
Calibration frequency	Annual calibration is recommended	
Operation conditions	Temperature: 5°C-30°C, relative humidity up to 80%	
Storage conditions	Temperature: 0°C-40°C, relative humidity up to 80%	
Safety	EN 61010-1:2010, EN 61326-1:2013, EN 61326-2-2:2013, EN 61000-6-1:2007, EN 61000-6-3:2007+A1	
Warranty	2 years after activation	

Ordering Information

Name	Model	Flow rate
BioAerosol Sampler-Professional BAS-Pro	C2121	28.3LPM; 100LPM

Sampling Head	Order No. (Stainless steel)
Φ 0.32mm*280 holes (28.3L/min)	J04A010150a
Φ 0.60mm*280 holes (100L/min)	J04A010151a

MICRONVIEW

Tel: 1-520-528-1882

Email: mv@micronview.com

Website: <http://www.micronview.com>

Address: 2300 Highway 365 Suite 110, Nederland TX 77627, USA

©MICRONVIEW LIMITED

Version: 2.0

micronview.com

MICRONVIEW®

