MICRONVIEW

Certified with: CE UKCA

BAS-Pro

BioAerosol Sampler-Professional



- Highly portable, impaction based microbial air sampler
- 28.3LPM, 100LPM, 200LPM 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 ±2.5% (28.3L/min, 100L/min) and ±3% (200L/min) flow accurancy.
- Built in HEPA filtered exhaust prevents re-contamination from the environment to the end product.

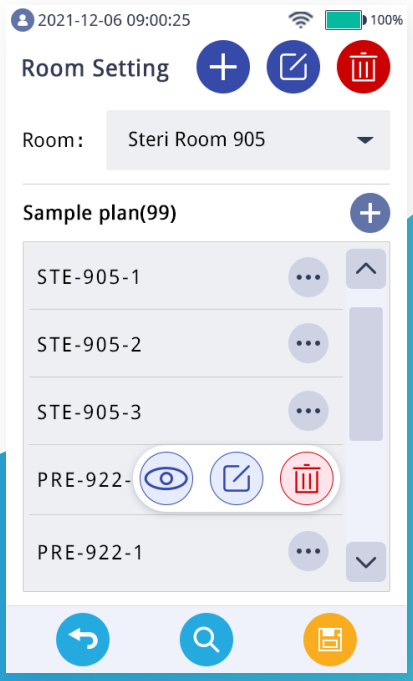
Sampling

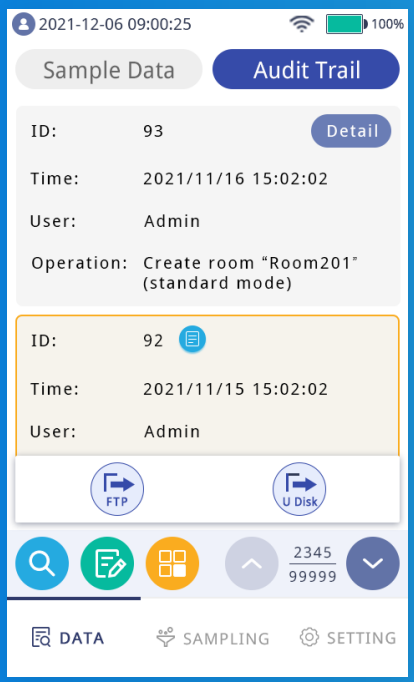
Distinct and Direct

– 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

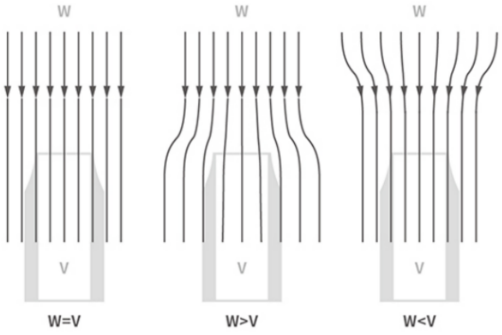
– Wireless connection with the APC and BAMS to support triggered sampling

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.



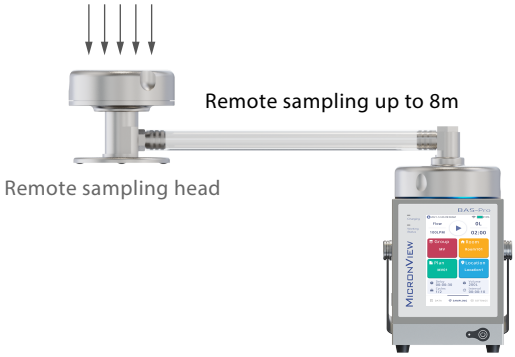
The flow velocity above the sampling head is 0.4m/s, consistent with isokinetic sampling.



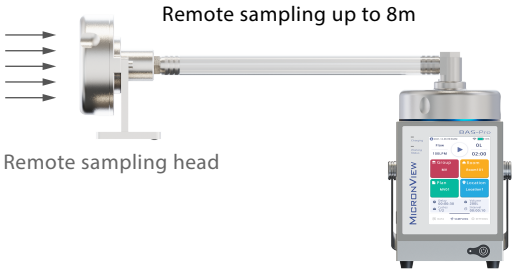
V=Sampling speed of sampling head
W=Speed of unidirectional flow

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 I BAS-Pro
Flow rate	28.3L/min ±2.5%； 100L/min ±2.5%； 200L/min ±3%
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	Φ0.32 mm*280 holes (28.3LPM) | Φ0.60 mm*280 holes (100LPM) | Φ0.70 mm*400 holes (200LPM) 316L stainless steel
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/Dimensions	3.5Kg(7.7lbs)(with battery); Battery weight 0.313Kg(0.69lbs); Dimensions(without footmat) 193(H) ×115(W) ×204.2(D)mm; 7.32(H) ×4.53(W) ×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 ≥10 hours (28.3LPM) | Battery last ≥10 hours (100LPM) | Battery last ≥4 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-30°C, relative humidity up to 80%
Storage conditions	Temperature: 0°C-40°C, relative humidity up to 80%
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	Flow rate
BioAerosol Sampler-Professional | BAS-Pro	C2121	28.3LPM; 100LPM; 200LPM

Sampling Head	Order No. (Stainless steel)
Φ0.32mm*280 holes (28.3L/min)	J04A010150a
Φ0.60mm*280 holes (100L/min)	J04A010151a
Φ0.70mm*400 holes (200L/min)	J04A010152a

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