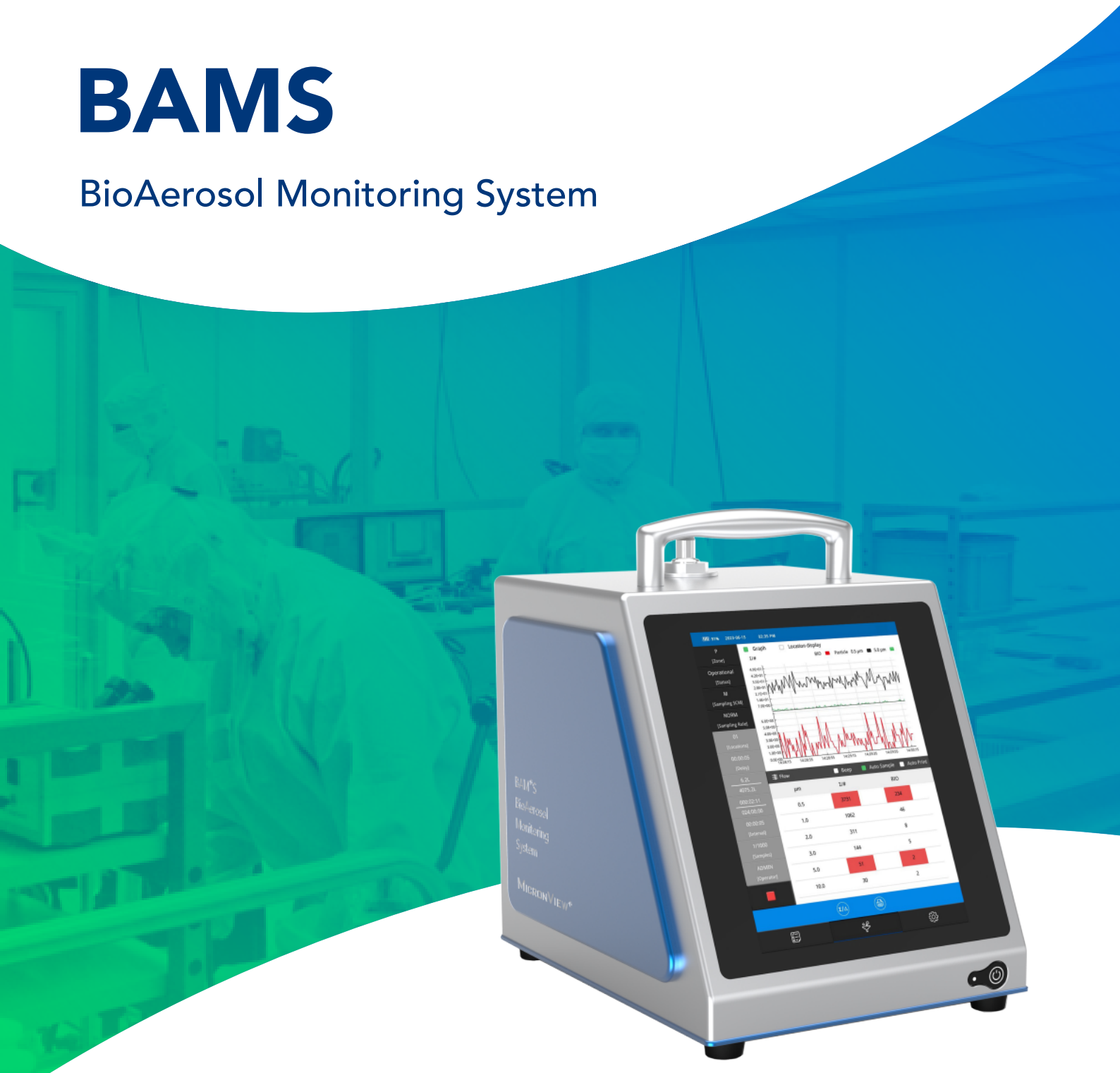
MICRONVIEW

Certified with:

BAMS

BioAerosol Monitoring System



- Real-time, continuous airborne microbial monitoring
- No need to incubate; Immediate result

MICRONVIEW

Features

- Real-time, continuous airborne microbial monitor
- Certified ISO particle detector
- Most efficient, user-oriented design
- First truly portable microbial monitor



Application

Alerts

Provides real-time continuous data to help with the root cause identification of contamination. Alerts in time to reduce the risk of product loss.

Process & Training

BAMS real-time results are a perfect training aid to drive immediate technique correction and process improvement.

Trends

Given delays and time lapses inherent to compendial testing methods, trend analysis is all but prohibited. BAMS changes that.

Root Cause

Provides real-time continuous data to help with the root cause identification of contamination. Alerts in time to reduce the risk of product loss.

Sterility Test Isolators

BAMS enables enhanced coordination and control of sterility test isolators.

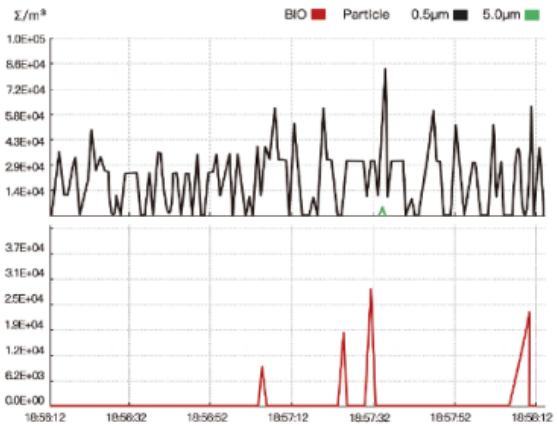
Fill Line Quality

BAMS real-time continuous monitoring helps to ensure the cleanliness of this crucial quality environment.

Wait Time vs. Real Time

Current airborne microbial monitoring uses interval, ad-hoc and event-driven sample collections, which require incubation. This process takes 1-7 days to generate test results, delaying and, at best, inhibiting, contamination root cause identification. This also does little, if anything, to prevent major production scrappage.

The current monitoring process also requires managing complex collection and manual growth examination schedules for thousands, even tens of thousands, of air samples per month. This is expensive, requiring significant labor and material costs.



Testing Aspect	Compendial Method	BAMS benefits
Time to Results	• 1-7 days • More scheduled/unscheduled breaks • Unlikely contamination identification • Increased cost and inefficiency risks	• Immediate • Likely contamination identification
Detection Frequency	• Sampled monitoring • Reduced accuracy • Limited trending • Greater contamination risk • Greater risk of production loss	• Continuous monitoring • Rend data and improved analysis • Reduced contamination and production loss risks
Coordination	• Resource intensive • Higher labor costs • Time delays	• Minimal costs and resources • Immediate and online

Increased Control
The Latest Technology

BAMS was designed to meet exacting, pharmaceutical manufacturing standards while providing real-time data for immediate action and catastrophic loss avoidance. It was also designed for end-users. Small. Light. Easy to use.

Optical Sensor Technology

BAMS' principle of operation is the simultaneous measurement of an individual particle's size and its ultraviolet (UV)-induced intrinsic fluorescence signal:

• Particle sizing is possible through the widely utilized principle of Mie Scattering.
• Simultaneously, the instrument detects the presence or absence of the intrinsic fluorescence of certain metabolites that indicate biologic activity.

Specification Sheet

Specification	BioAerosol Monitoring System | BAMS
Size range	0.5μm to 25μm
Size channels	0.5μm,1.0μm,2.0μm,3.0μm, 5.0μm,10.0μm
Laser source	Long life laser
Size resolution	<15% @ 0.5μm (meets ISO 21501-4)
Count efficiency	50%±20% for 0.5μm,100%±10% for >0.75μm (meets ISO 21501-4 and JIS B9921)
Flow rate	2.83LPM ±3%
Flow rate control	Electronic, automatic closed-loop
Sampling time	10 seconds-168 hours
Delay	0-99 hours 59 minutes 59 seconds
Cycles	1000 samples on one location
Interval	5 seconds-99 hours 59 minutes 59 seconds
Sampling mode	Manual, auto, cumulative count Σ / differential count Δ or concentration
Zero count	<1count/5min
Concentration limit	4,000,000 particles/ft³ @10% coincidence loss
Exhaust	Internal HEPA filter(>99.999% @ 0.3μm)
Display	8.0" LCD capacitive touch screen
Language	English, Chinese
Communication	RJ45, USB, SENSER-HUB, WIFI
Alarm	Audible built-in alarm
Capture the biological contamination sample	Connect the BioAerosol Sampler(BAS) via WIFI/USB to collect the biological contamination sample in real time
Reports	Compliant with ISO/EUGMP/CHINESEGMP/Fed Std

Specification	BioAerosol Monitoring System | BAMS
Export file	PDF file or EXCEL file
Data storage	119GB
Data security	Authority management, authority level divide into admin, operator and supervisor
Data reliability	Compliant with 21 CFR Part11
Print	Auto or Off-line
Dimensions (HxWxD)	10(H) x7.87 (W) x 10.39(D) in 255(H) x 200(W) x 264(D) mm (with handle and foot mat)
Weight	12.8lbs/5.8kg； 14.9lbs/6.8kg (incl. battery)
Enclosure	316L Stainless Steel and anodized aluminum
Power	AC 100-240V, 50 Hz/60 Hz
Battery	10.8V, 9000mAhX2, rechargeable lithium battery
Operating conditions	Temperature: 5°C-35°C/41°F-95°F Relative humidity: 5-90%, non-condensing
Storage conditions	Temperature: 0°C-40°C/32°F-104°F Relative humidity: 5-95%, non-condensing
Calibration frequency	Once a year
Warranty	12 months (calculated from the date of product activation or six months after the date of manufacture, whichever comes first).
Safety	EN 61010-1:2010+A1:2019, EN 61326-1:2013, EN 61326-2:2:2013, EN 60825-1:2014, EN 61000-6-1:2007, EN 61000-6-3:2007+A1, EN 62311:2008, EN 62479: 2010

Ordering Information

Name	Model	Order No.
BioAerosol Monitoring System | BAMS	M120	MACHM120

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