

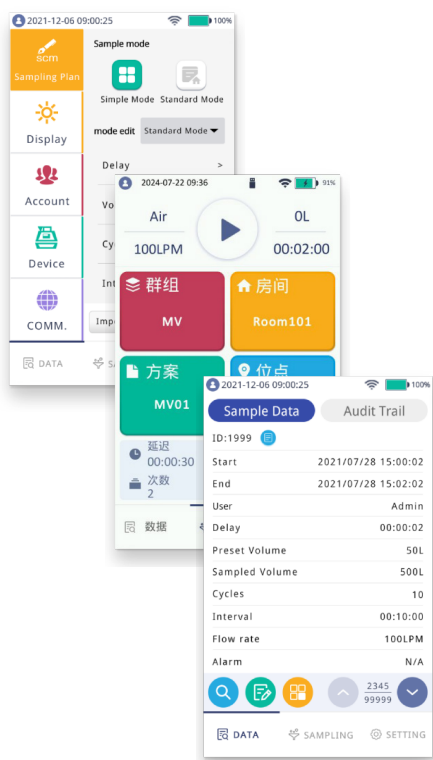
# BAS Neo

## BioAerosol Sampler Neo



### FEATURES :

- **High Flow Rate Accuracy:** Maintains precise flow control at 100 L/min  $\pm$  3% and 200 L/min  $\pm$  3%.
- **Extended Battery Performance:** Provides up to 7 hours of continuous operation at 100 L/min (42 m<sup>3</sup>) or 2.5 hours at 200 L/min (30 m<sup>3</sup>).
- **Configurable User Access:** Multi-level authority management with customizable permission settings.
- **Flexible Sampling Options:** Supports both standard and remote sampling, with remote capability up to 8 meters.
- **Calibration Compatibility:** Compatible with various types of flowmeters for convenient and accurate calibration.
- **Standards Compliance:** Fully compliant with ISO 14698-1 for microbial contamination control in cleanrooms.



### Settings:

Intuitive and Streamlined

- Easily create customized sampling plans
- User-friendly interfaces

### Data:

Detailed and Flexible

- Complete sample record storage
- Quick and efficient data lookup
- Export and print data with a single click

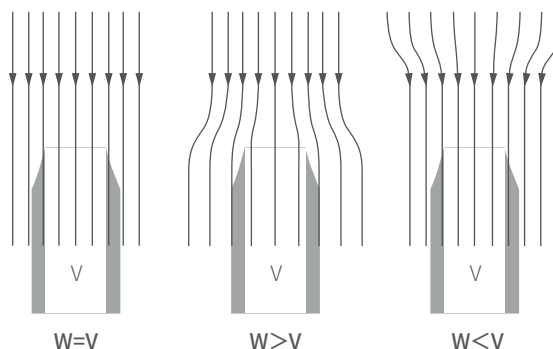
### Sampling:

Practical and Precise

- Intelligent sampling modes enable continuous and cyclical sampling
- Clear and distinct sampling process
- LED lighting and audible alarms for error notification

### Isokinetic Sampling:

The sampler is designed so that, during isokinetic sampling, the inlet airflow matches the average velocity of the unidirectional flow passing through the sampling head



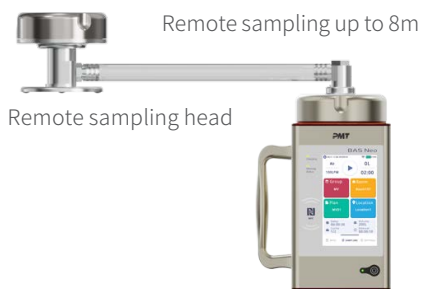
The flow velocity above the sampling head is 0.4m/s, consistent with isokinetic sampling.

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

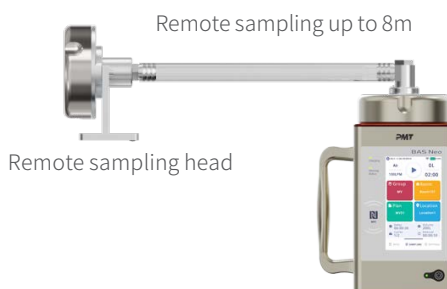
## PRODUCT APPLICATIONS:

### Remote Sampling:

Remote sampling configurations allow the BAS Neo to sample within an isolator, biological safety cabinet, horizontal laminar flow clean workbench, or other critical zones.



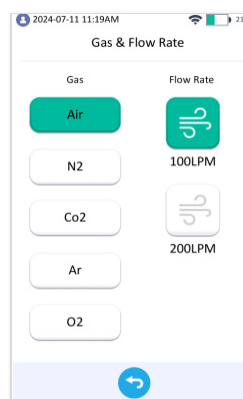
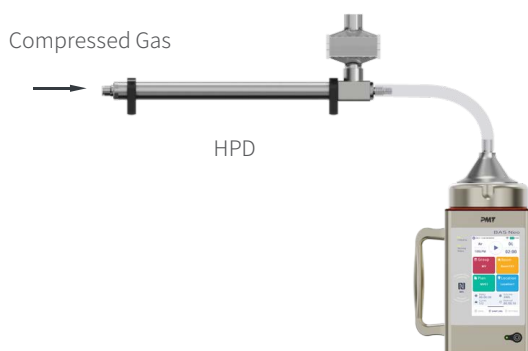
Vertical Flow Sampling



Horizontal Flow Sampling

### Compressed Gas Sampling:

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



### Product Dimensions:



Model: C320



Model: C320F

## SPECIFICATION SHEET:

Specifications	BioAerosol Sampler Neo   BAS NEO	
	C320	C320F
Flow Rate Options	100LPM ± 3%; 200LPM ± 3%	
Flow Rate Control	Built-in mass flow meter	
Exhaust	N/A	Exhaust HEPA filter efficiency >99.999% for particles @0.3µm
Sampling Plan	20,000 groups, 20,000 rooms, 500 locations for each room, up to 20,000 locations	
Sampling Volumes	1-6,000L	
Delay	0-23 hours 59 minutes 59 seconds	
Cycles	1-999 cycles	
Interval	00:00:00, 5 seconds-23 hours 59 minutes 59 seconds	
Sampling Head	Φ0.60 mm*280 holes (100L/min); Φ0.70mm*400 holes (200L/min) (Anodized aluminium, 316L stainless steel material options available, customizable)	
Isokinetic Probe Internal Diameter caliber	Φ101.8mm	
Dimensions, Weight	220.5*163*120mm/8.68*6.42*4.72in, 2.5Kg/5.51lbs	235.5*163*120mm/9.27*6.42*4.72in, 2.55Kg/5.62lbs
External Surface	Anodized Aluminium	
Power	AC 100-240V, 50 Hz/60 Hz	
Battery	10.8V, 6800mAh rechargeable lithium battery	
	Battery life ≥7 hours (100L/min) Battery life ≥2.5 hours (200L/min)	Battery life ≥6.5 hours (100L/min) Battery life ≥2 hours (200L/min)
Communication	USB, WIFI	
Application Extension	When run in conjunction with an Airborne Particle Counter (APC) and BioAerosol Monitoring System (BAMS), contaminated samples collected in real time, also meets current Regulatory requirements for particle monitoring and identifying isolates	
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	
Operating 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	
Warranty	24 months (calculated from the date of product activation or six months after the date of manufacture, whichever comes first)	
Name	Model	Order No.
BioAerosol Sampler Neo   BAS Neo	C320	MACHC320
BioAerosol Sampler Neo   BAS Neo (incl. HEPA filter)	C320F	MACHC320F
Sampling Head	Order No. (Anodized Aluminium)	Order No. (Stainless steel)
Φ0.60mm*280 holes (100L/min)	S2.A112	S2.S112
Φ0.70mm*400 holes (200L/min)	S2.A231	S2.S231