

BAS Neo BioAerosol Sampler Neo



Features

- High flow rate accuracy: 100L/min $\pm$ 3%, 200L/min $\pm$ 3%.
- Long battery life:
 - 7 hours @ 100L/min (42m³); 2.5 hours @ 200L/min (30m³)
- Multi-level authority management, customizable permission levels are available.
- Allows for general sampling and remote sampling with up to 8m of sample tubing.
- Supports various types of flowmeters for calibration
- ISO 14698-1 compliant

Settings

Intuitive and Streamlined

- Simple interface for customizing sampling plans
- User-friendly input method

Data

Detailed and Flexible

- Intuitive sampling records
- Quick search capability for data records
- One-click for exporting and printing data

Sampling

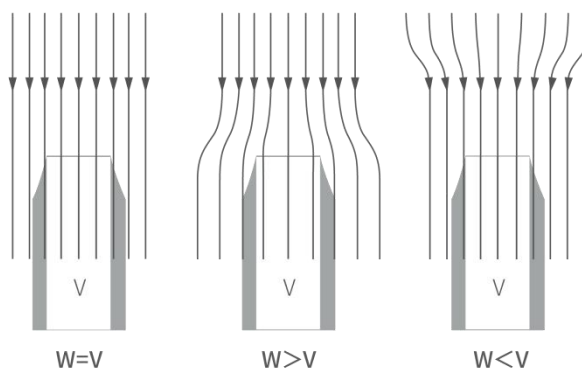
Practical and Precise

- Intelligent sampling modes enable continuous and cyclic sampling
- Clear and distinct sampling process
- LED lighting and audible alarm for errors



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.

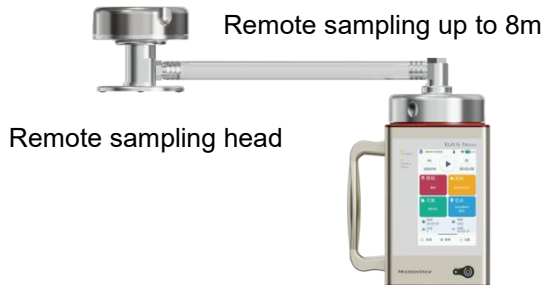


The flow velocity above the sampling head is 0.4m/s, consistent with isokinetic sampling.

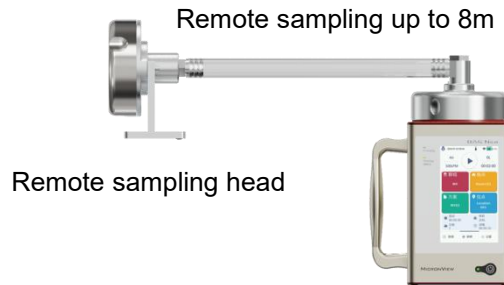
V=Sampling speed of sampling head
W=Speed of unidirectional flow

Remote Sampling

Allows the BAS Neo to be used for sampling in an isolator, biological safety cabinet, horizontal laminar flow clean workbench and other significant zones.



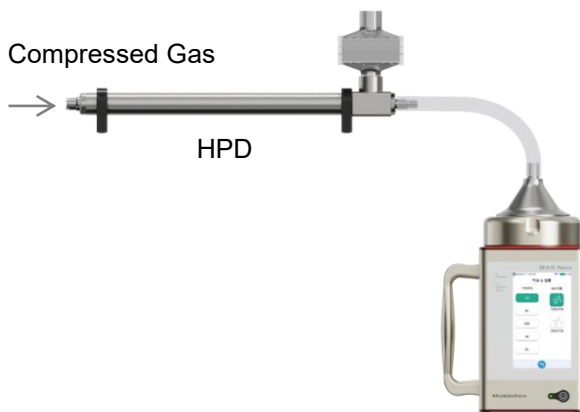
Vertical Flow Sampling



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 Neo for sampling.



Product Dimensions

Model:C320



Model:C320F



Specification	BioAerosol Sampler Neo BAS Neo	
	C320	C320F
Flow rate	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 aluminum, 316L stainless steel material available, customizable sampling head)	
Isokinetic probe 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 last ≥7 hours (100L/min) Battery last ≥2.5 hours (200L/min)	Battery last ≥6.5 hours (100L/min) Battery last ≥2 hours (200L/min)
Communication	USB、WIFI	
Application extension	Connect with the Airborne Particle Counter (APC) and BioAerosol Monitoring System (BAMS) to collect contaminated samples in real time	
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		Order No.
BioAerosol Sampler Neo BAS Neo		MACHC320
BioAerosol Sampler Neo BAS Neo (incl. HEPA filter)		MACHC320F
Sampling Head		Order No. (Anodized aluminum)
Φ0.60mm*280 holes (100L/min)		S2.S112
Φ0.70mm*400 holes (200L/min)		S2.S231

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