Remote BAS
C530BS C530B

BioAerosol Sampler - Remote



BioAerosol Sampler-Remote
Incl. Blower and Screen(C530BS)



BioAerosol Sampler-Remote
Incl. Blower(C530B)



Remote Sensor Protective Enclosure
w/o Screen(PA520)



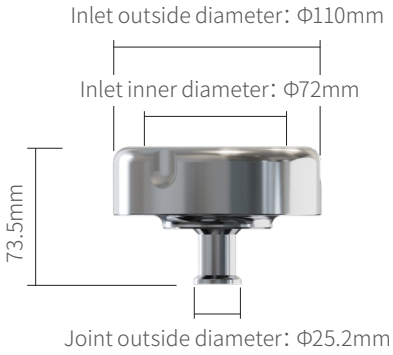
Remote Sensor Protective Enclosure
Incl. Screen(PA520S)

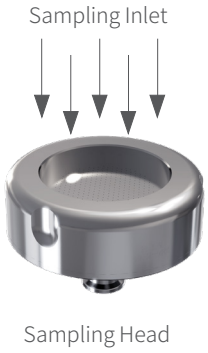
The Bioaerosol Sampler Remote Series offers high-performance samplers designed for industries with stringent cleanliness standards, such as pharmaceuticals, biotechnology, food and beverage, cosmetics, and medical institutions. The C530B and C530BS models feature a built-in high-precision differential pressure flow sensor, a built-in blower, and an optional screen. The Remote BAS complies with ISO 14698-1 and EU GMP Annex 1 standards.

- Flow rate: 28.3 LPM ± 4%
- Optional touch screen and built-in blower for streamlined operation, capable of storing up to 1,000,000 sample datasets
- Optional 316L stainless steel enclosure, resistant to common cleanroom disinfectants
- LED indicators, audible and visual alarms for flow rate error, network communication, and device failures
- Optional robotic arm for automated petri dish replacement, enabling unmanned operation

Sampling Head Features

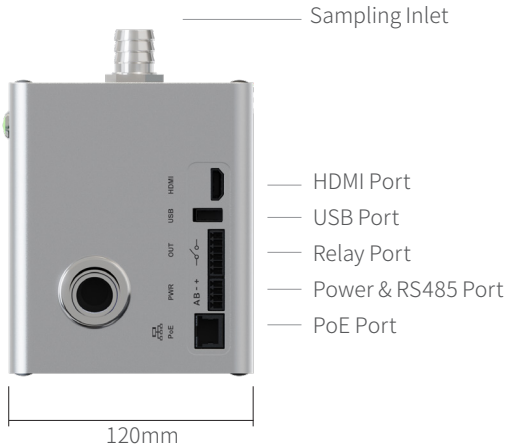
- Used for microbial air sampling in isolators, biosafety cabinets, horizonal laminar-flow clean workbench and other critical areas
- Based on the Andersen impact principle, air is impacted on the agar surface through the perforated cover at a speed of approximately 21 m/s
- Autoclavable and VHP-resistance
- Recommended petri dish diameter: Φ90mm





Product Dimensions

- BioAerosol Sampler-Remote(C530BS)
  Incl. Blower and Screen

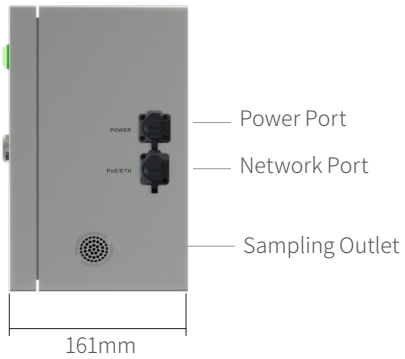


Lateral view

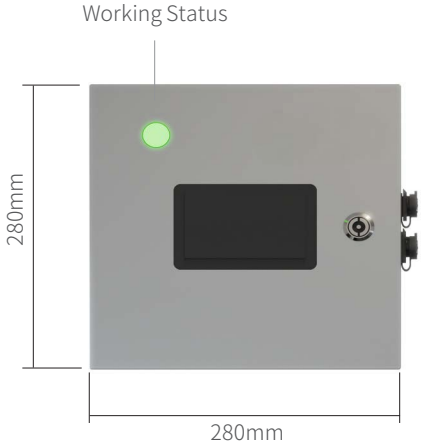


Front view

- Remote Sensor Protective Enclosure(PA520S)
  Incl. Screen



Lateral view



Front view

Installation Mode

The remote BAS can be installed with or without a protective enclosure



Remote Sensor Protective Enclosure
Incl. Screen



Remote Sensor Protective Enclosure
w/o Screen

Specification Sheet

Specification	BioAerosol Sampler-Remote | Remote BAS	
	C530BS	C530B
Flow Rate	28.3 LPM±4%	
Flow Rate Control	Built-in differential pressure sensor, closed-loop auto control.	
Sampling Head	Φ0.32 mm*280 holes	
D50	0.79 µm	
Sampling Head Material	316L stainless steel	
Sampling Head Weight	0.93 kg / 2.05 lbs	
Exhaust	External HEPA Filter (>99.999% @ 0.3 µm)	
Blower	Built-in blower	
Display	Status Indicators, 4-inch LCD capacitive touch screen	Status Indicators, supports external 5-inch LCD capacitive touch screen
Weight	1.49 kg / 3.28 lbs	1.25 kg / 2.76 lbs
Dimensions (HxWxD)	170.3×120×120 mm / 6.71×4.72×4.72in	148.3×120×120 mm/ 5.84×4.72×4.72 in
Enclosure	Aluminum oxide	
Power	1. PoE Power Supply: IEEE 802.3bt (Type 3 / PoE++, Type 4) 2. Adapter Power Supply: 100-240V, 50Hz/60Hz AC to 24V DC input power supply; the other end connector must be compatible with various standard interface types.	
Max Power Consumption*	Rated power: 20W (30W, max)	
Communication	RJ45, RS-485, HDMI, USB	
Transmission Protocol	ModBus TCP	
Data Storage	4GB; Default buffer: 1,000,000 sampling records, configurable up to 5,000,000	

Specification Sheet

Specification	BioAerosol Sampler-Remote | Remote BAS	
	C530BS	C530B
Alarm	Indicator light alarm, supports external sound and light alarm	
Language	English, Chinese	N/A
Calibration Frequency	Recommend once a year	
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	
Safety	EN 61010-1: 2010+A1:2019+AC: 2019, EN 61326-1:2013, EN IEC 61326-1:2021	
Warranty	24 months (calculated from the date of product activation or six months after the date of manufacture, whichever comes first)	

*Note: When using PoE power supply, it is necessary to ensure that the total power of the PoE switch is greater than the sum of the maximum power of all terminal devices.

Parameter	Remote Sensor Protective Enclosure	
	PA520S	PA520
Dimensions (H×W×D)	280×280×161mm/11.02×11.02×6.34in	
Enclosure	316L stainless steel	
Weight	4.0kg/8.82lbs	3.7kg/8.16lbs
Display	5-inch LCD capacitive touch screen	N/A

Ordering Information

Name	Model	Order No.
BioAerosol Sampler-Remote | Remote BAS	C530BS	MACHC530BS
BioAerosol Sampler-Remote | Remote BAS	C530B	MACHC530B
Remote Sensor Protective Enclosure (With Screen)	PA520S	U2.S502
Remote Sensor Protective Enclosure (Without Screen)	PA520	U2.A502
Sampling Head Set	N/A	S2.S312

Notes:
1.In the model number, the letter following the number has the following meanings: B represents the model is equipped with a blower, and S represents the model is equipped with a screen.
2.The sampling head set comes with a petri dish holder, a sampling head, and a dust cover.