

ACTIVE AIR SAMPLER (AAS 100/180)



PRODUCT OVERVIEW

Microbial Air contamination monitoring is a key process in a clean room area. An active Air sampler (AAS) is a compact, portable battery-operated simple solution for air sampling. It is with high flow accuracy.

Pharmaceutical, medical devices, food, & cosmetic manufacturers as well as healthcare facilities all benefit from the use of an Active Air Sampler (AAS) to assess airborne bacterial & fungal bioburden.

SI air samplers are very compact & easy to carry, enabling sampling to occur anywhere needed. Very easy operation, a petri dish is inserted & the device's lid is bayonet fitting. The accurate volume of air is sampled by forcing the air towards the Petri plates' agar surface with the Anderson hole inspection method. After incubation colony enumeration enables to evaluate of microbial air quality.



**Active Air Sampler
Model AAS 100/180**

Working Principle : Hole impaction method

Regulatory Compliance :

AAS complies with GMP, USP 797, and ISO 14698-1 regulations. DQ, IQ_OQ document will be supplied for the first installation with the instrument.

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ACTIVE AIR SAMPLER (AAS 100/180)



Standard Features

- Control sample flow rate 100/180 LPM: Fixed flow rate.
- Flow rate accuracy: +/- 5%.
- 4.3" in Capacitive Touch screen.
- SS head: 316L head 100 LPM @ 219 holes 1mm.
- Air Impaction Velocity 9.7 m/sec @ 100 LPM & 17.44 m/sec @ 180 LPM
- Body: Clean room-compatible ABS Light weight.
- Display: Model number, battery status, user name, and authorization level, Sr.No.
- User level: Operator, Supervisor, Admin
- Password policy: minimum character length, expiry, complexity, Maximum login entry
- Recipe: Set delay time, the volume of air aspirated, Total cycle time, and the number of cycles the user programmable
- Alarm: High Flow, Low flow, Motor Alarm
- Data report: Start time, End time, Volume Aspirated Location id-Optional, Plate id - user level, status (Completed or aborted)
- Data storage: 25,000 data storage in the built-in memory.
- Battery: Li-ion rechargeable battery with an internal battery charger. Battery operation for more than 10 hours operation. Battery charging time 3 hours
- Dimension: 154mm*204mm*170mm (W*D*H).
- Weight: 2.0 Kg max (without head with battery) and 2.4 Kg max (with head and battery)

Advance Features

- Audit log: log out and all activity log user creation, level change, user enabled and disabled,
- Recipe Creation and change (Advance)
- Data download: USB data transfer to PC software (Advance Optional).
- PC software: fully 21CFR Part 11 with Audit log (Advance Optional).

Standard Accessory

- Basic instrument with Stainless steel grid, Charger, Operator Manual, Warranty certificate, Packing list, IQ_OQ_PQ.

Optional Accessory

- Head, Tripod stand, Compressed airhead, Hard carrying case, Pc software, and USB cable for data download

Models Technical Comparison:

Model	AAS-100 ECO	AAS-100 Lite	AAS-100B/180B	AAS-100A/180A
All Standard Features	Limited	Limited	YES	YES
Advance features	NO	NO	Limited	YES
Audit log	NO	No	NO	YES
PC software for audit log	NO	NO	NO	YES
Data Storage	NO	300	10000	25000
Individual user Access	NO	NO	YES	YES
Recipe	1	8	100	200

- AAS-25 @ 25 LPM Available
- Auxiliary output for the remote sampling - Optional
- Accessory : Tripod Stand, Hand Canning case - Optional ; Compressed Air Kit for Gas Sampling - Optional