

Air samplers for quick sampling in clean rooms and sterile areas

The only portable microbiological air sampler with two aspirating heads.

Suitable for use in all fields of application.

DUO SAS SUPER 360

TYPICAL APPLICATIONS

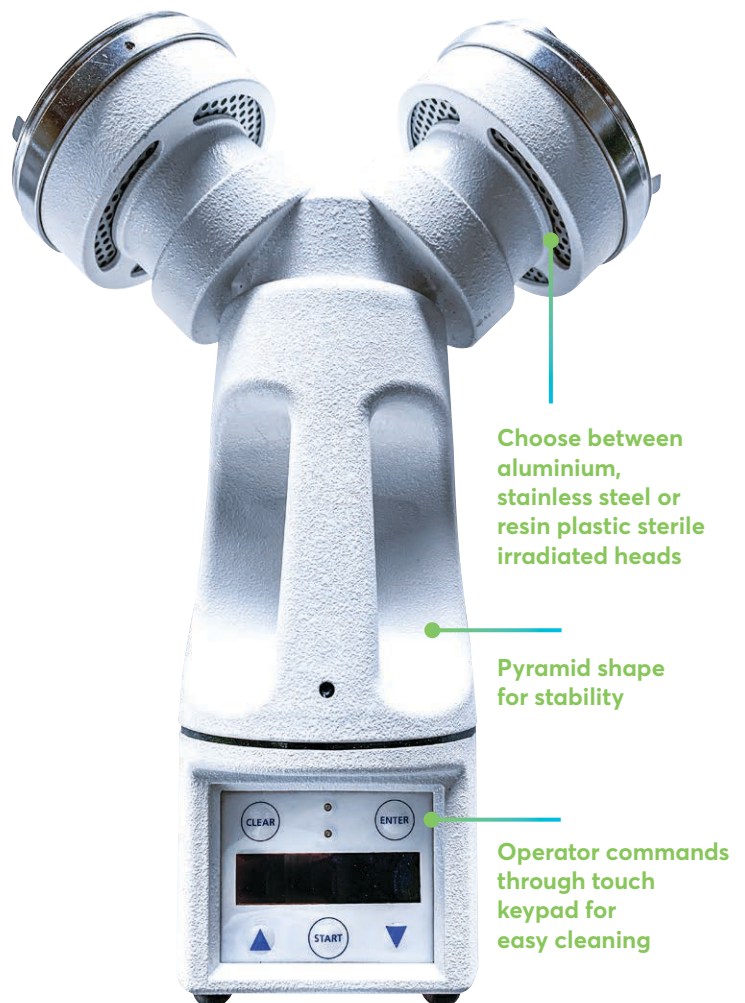
Control and validation of cleanrooms, isolators, RABS microbiological laboratories, biotechnology premises, vaccine production plants, operating theatres, hospitals and clinics. In particular, DUO SAS Super 360 is used when saving time is an important criteria.

PERFORMANCE

- Compliant with USP chapter 1116 and ISO 14698-1
- IQ OQ validation protocols available
- Over 40.000 l of air
- Up to 100 memorised sampling cycles
- Design avoids turbulence in unidirectional airflow and re-aspiration of tested air in accordance with ISO specifications
- Total traceability
- Fingertip calibration system control without opening the instrument
- Easy calibration monitoring

DATA TRANSFER

- Can be downloaded onto a PC in both non modifiable (.sas) and Excel formats
- Sampling data to PC



DUO SAS 360 CAN REDUCE SAMPLING TIME BY UP TO 70%!

ACCESSORIES



TECHNICAL SPECIFICATIONS

Airflow rate	180 l/min
Sampling head	Aluminium, stainless steel or plastic (certified ready to use)
WxDxH	260x110x352 mm
Weight	2,2 kg

For a complete system - please order the sampler you require, a battery charger and the appropriate head.

DUO SAS Super 360 without aspirating head and battery charger	Cat.No.
For contact plates	710-0867
For Petri dishes	710-0866
Accessories	
Battery charger with universal plug (this is mandatory for the correct functioning of this instrument)	710-2253
Soft carrying case	710-0888
Aluminium carrying case	710-0876
SAS-Holder table and wall stainless steel	710-0963
Adapter* for Petri dishes, Ø 90 mm (only for Duo SAS Super 360 for contact plates)	710-0882
SAS stainless steel Petri head + aluminium adapter	710-0877
SAS aluminium Petri head + adapter	710-0879
IQ OQ validation protocols for Duo SAS Super 360	710-0957
SAS software for downloading data for Duo SAS Super 360 (to use with interface)	710-0975
Interface cable for software for Duo SAS Super 360	710-0964
Infrared remote control for Duo SAS Super 360	710-0962

* An aspirating head for 90 mm Petri dishes has to be used with this adapter.

Aspirating heads	Cat.No.
For contact plates, Ø 55 mm	
Stainless steel	710-0880
Aluminium	710-0892
Sterile daily heads	710-0890
For Petri dishes, Ø 90 mm	
Stainless steel	710-0878
Aluminium	710-0886
Sterile daily heads	710-0891

WHY USE THE DUO SAS?

- Use different media in each head to capture different microorganisms
- Use the same media in each head for greater confidence
 - TSA plates on left and right aspirating heads to calculate an average result and to obtain a more reliable and realistic number of Colony Forming Units (CFU)
 - TSA plates on left and right aspirating heads to monitor a higher volume of air in cleanrooms (360 l/min)
 - TSA plates on left and right aspirating heads to reduce operator time during air monitoring (about 3 min for 1000 l of air)
 - TSA or PCA plates on left aspirating head and SDA plate on right for a simultaneous double control of Total Bacterial Count and yeast/moulds

REFERENCES

1. USP chapter 1116 'Microbiological evaluation of cleanrooms and controlled environments'
2. ISO Standard 14698-1 - 'Cleanrooms and associated controlled environments contamination control - Part 1: General principles and methods'
3. FDA - '2004 guidance for industry on sterile drug products by aseptic processing - Pharmaceutical current good manufacturing practice'
4. ACGIH - 'Guideline for assessment of bioaerosol in the indoor environment'