Air samplers for clean rooms and sterile areas

The microbiological air sampler created for pharmaceutical companies and hospitals.

Improvements of the new device.

SAS SUPER ISO 100/180 USB – USP'S

TYPICAL APPLICATIONS

Control and validation of cleanrooms, isolators, restricted access barriers (RABS), microbiological laboratories, biotechnology premises and vaccine production plants including operator safety.

Ideal for control of environmental contamination in operating theatres, hospitals and clinics.

PERFORMANCE

- Data management in accordance with CFR 21 part 11
- Compliant with USP chapter 1116 and ISO 14698-1
- Up to 70.000 litres of air with up to 300 memorised sampling cycles
- Sampling rate accurately maintained by speed sensor
- Design avoids turbulence in unidirectional airflow and re-aspiration of tested air in accordance with ISO specifications
- Provides total traceability - IQ OQ validation protocols available
- Automatic reminder in case of expired calibration
- 8 pre-fixed modifiable sampling configurations

DATA TRANSFER

- Sampling data can be downloaded on a PC in both non modifiable or Excel formats
- Data download by USB
- Instrument configuration via USB Stick
- Data management in accordance with CFR 21 part 11
- Infrared transfer of sampling data to PC

SAS SUPER ISO IS THE FASTEST 'IMPACT TO AGAR' AIR SAMPLER ON THE MARKET

ACCESSORIES

Single-use heads
for air samplers
Cat.No. 710-0891

Battery charger with
interchangeable plug,
90 – 260 V
Cat.No. 710-2253

Stainless steel holder
for table and wall
Cat.No. 710-0963

Lightweight aluminium
carrying case
Cat.No. 710-1697

Adapter for Petri
dishes Ø 90 mm
Cat.No. 710-0882

Infrared remote control
Cat.No. 710-0969

Soft carrying case
Cat.No. 710-0896

TECHNICAL SPECIFICATIONS

Approx. sampling time for sampling 1000 l	6 min with SAS Super ISO 180 USB 10 min with SAS Super ISO 100 USB
Powered to ensure a full day of sampling	Operates from mains
Battery life	70.000 l (SAS Super ISO 100 USB) 40.000 l (SAS Super ISO 180 USB)
Power	8,4 V - 2,7 amp/h
Size	120x125x275 mm
Weight	1800 g

REFERENCES

1. USP chapter 1116 'Microbiological evaluation of cleanrooms and controlled environments'
2. EU guide for GMP - 'Manufacture of sterile medicinal products control medicines and inspection'
3. ISO Standard 14698-1 - 'Cleanrooms and associated controlled environments biocontamination control - Part 1: General principles and methods'
4. FDA - '2004 guidance for industry on sterile drug products by aseptic processing - Pharmaceutical current good manufacturing practice'

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

SAS Super ISO USB without aspirating head and battery charger	Cat.No.
SAS Super ISO 100 USB for contact plates	**710-2088**
SAS Super ISO 100 USB for Petri dishes	**710-2090**
SAS Super ISO 180 USB for contact plates	**710-2087**
SAS Super ISO 180 USB for Petri dishes	**710-2089**
Accessories	
Battery charger with universal plug for both models (this is mandatory for the correct functioning of this instrument)	**710-2253**
Soft carrying case	**710-0896**
Aluminium carrying case	**710-1697**
SAS-Holder table and wall stainless steel	**710-0963**
Adapter* to convert contact plate model to accept 90 mm Petri dishes	**710-0882**
SAS stainless steel Petri head + aluminium adapter	**710-0877**
SAS aluminium Petri head + adapter	**710-0879**
IQ OQ validation protocols for SAS Super ISO 100 and 180 USB	**710-0956**
Infrared remote control for SAS Super ISO USB	**710-0969**

* 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**