

# SAS Super 180 USB Isolator

## **The Microbial Air Sampler for Monitoring of Isolators and Grade A Lines**



The SAS range has been at the fore front of environmental monitoring for over 40 years. The distinctive yellow samplers are used by many of the world's leading pharmaceutical companies to demonstrate GMP compliance within their manufacturing facilities.

Designed and developed in Italy, the SAS Super range of microbial air samplers offer the user an easy to use, robust sampler for viable particle monitoring. Typical applications include monitoring within controlled spaces, such as clean rooms, operating theaters, or laboratories, as well as office and outdoor environments.

The battery powered units will sample approximately 40,000 liters on a full charge and are easy to wipe down and clean. Each sampler is supplied complete with charger and calibration certificate.



## Applications

The SAS Isolator sampler can be used for many environmental monitoring applications, the key uses are:

- ▶ Grade A monitoring of isolator cabinets
- ▶ Routine clean room monitoring
- ▶ Filling lines / RABs
- ▶ Operating theaters

## Features & Benefits

### ▶ Multi-point impaction sampling

Developed from multi stage sieve samplers, the SAS utilizes the proven multi-point impaction method to collect airborne particles. 219 holes of 1mm diameter direct air flow on to the agar surface of a standard plate.

### ▶ Battery powered

The nickel metal hydride battery pack will provide approximately 40,000 liters worth of sampling on a single charge. The rapid charger will have the unit fully recharged in approximately 4 hours, allowing a significant number of samples to be completed per day.

### ▶ Stainless steel sampling head

The 316 stainless steel Drilled Head can be steam autoclaved between uses or decontaminated using proprietary disinfectants or alcohol. Additional heads can be purchased so ensuring a ready to go head is always available.

### ▶ Delay start

The SAS Super has a selectable delay start of 1 - 60 minutes at one minute specificity up to 10 minutes, followed by increments of 5 minutes up to 60 minutes. This allows the user to program the sampler and exit the room being monitored before the sample is taken. A true at rest sample is taken avoiding any impact from the operator.

### ▶ Multi-mode sampling

If a prolonged sample to mimic a process is required, the SAS Super's Multi mode facility is ideal. A standard 1 cubic meter sample can be divided into smaller samples with a time delay between each.



### ► Easy installation

SAS Super Isolator does not require complex fixtures and installation. Connection is via a simple to install fixed coupler which provides connectivity between the Control unit and Sampling unit. Various connection configurations and lengths are available for installation of the SAS Isolator system.

## USB

The SAS air sampler has been modernized with up-to-date USB technology to increase ease of use and user convenience:

- Easier data management via pdf download
- Data is downloaded by USB-C memory stick

## Technical Data

<b>Sampling Rate</b>	180 liters/minute
<b>Sample Size</b>	1 – 2000 liters operator selectable – 8 pre-set plus 8 user definable
<b>One m<sup>3</sup> run time</b>	5 min., 33 secs
<b>Construction Materials</b>	Powder-coated polyurethane resin & stainless steel (full details available)
<b>Consumables Used</b>	Contact plates or 90 mm Petri dishes – must be defined at ordering
<b>Power Supply</b>	Rechargeable Nickel Metal Hydride (without memory effect)
<b>Battery Capacity</b>	2700 mAh (approximately than 40,000 liters of air sampling)
<b>Battery Recharge Time</b>	Charge for at least 4 hours
<b>Control Unit Dimensions (mm)</b>	290 x 105 x 110 (H x W x D)
<b>Control Unit Weight (kg)</b>	With stainless steel drilled head – 3.3 kg
<b>Sampling Unit Dimensions (mm)</b>	455 x 368 x 166 (L x W x H)
<b>Sampling Unit Weight (kg)</b>	With stainless steel drilled head – 6.3 kg
<b>Total Weight (kg)</b>	With stainless steel drilled head – 6.8 kg (inc. sampler, case, charger)



## Ordering Information

The following products are available from **AnalytiChem UK** (formerly Cherwell Laboratories).

For availability outside the UK, visit our website or contact **info@analytichem.com** to learn which SAS air samplers are offered in your country.

Part Number	Description	Packaging
3.1139	SAS Super 180 USB Isolator Kit (A&B)	Per Item
3.1140	SAS Super 180 USB Isolator Kit (C)	Per Item
3.1005	SAS Super Isolator Sampling Head unit, Contact	Per Item
3.1016	SAS Super Isolator Sampling Head unit, Petri	Per Item
3.1128	SAS Super Isolator Sampling Head unit, Petri with tri-clover fitting	Per Item
3.1094	SAS Super Isolator Sampling Head unit, Contact with tri-clover fitting	Per Item
2.1124	Fixed Coupler, type SGL	Per Item

Optional Extras		
2.1226	Interconnect cable, type FGG/FGL	Each
3.1065	Daily Heads - Contact	Case of 40
3.1066	Daily Heads - 90 mm Petri	Case of 40

## Terms & Conditions

All SAS air samplers are supplied as complete kits, ready to use, including calibration certificate and a 24 month return-to-base warranty. We reserve the right to amend specifications without notice. E&OE

