

# SAS Super 100 / 180 USB

## **The Portable Microbial Air Sampler for Clean-room Monitoring**

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 portable 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 carry case, charger and calibration certificate.



## Applications

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

- ▶ Routine clean room monitoring
- ▶ Grade A monitoring of isolator cabinets
- ▶ Operating theaters
- ▶ Food and beverage manufacturing areas
- ▶ Offices and HVAC systems
- ▶ External composting sites
- ▶ Investigative work

## 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.

### ► Last sample memorised

The SAS Super makes it easy to repeat the same sample as it memorizes the last sample set. Simply switch on and press Start to repeat the same sample volume.

## 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>	SAS Super 100 – 100 liters/minute SAS Super 180 – 180 liters/minute
<b>Sample Size</b>	1 up to a maximum of 2000 liters operator selectable – 8 pre-set plus 8 user definable
<b>One m<sup>3</sup> run time</b>	100L version = 10 min., 180L version = 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>	2450 mAh (approximately than 40,000 liters of air sampling)
<b>Battery Recharge Time</b>	Charge for at least 4 hours
<b>Sampler Dimensions (mm)</b>	290 x 105 x 110 (H x W x D)
<b>Sampler Weight (kg)</b>	With stainless steel drilled head – 2.2 kg
<b>Carry Case Dimensions (mm)</b>	455 x 368 x 166 (H x W x D)
<b>Total Weight (kg)</b>	With stainless steel drilled head – 5.3 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
3.1129	SAS Super 100 USB air sampler, Contact, s/s drilled head	Per Item
3.1132	SAS Super 100 USB air sampler, Petri, s/s drilled head	Per Item
3.1130	SAS Super 180 USB air sampler, Contact, s/s drilled head	Per Item
3.1133	SAS Super 180 USB air sampler, Petri, s/s drilled head	Per Item

Optional Extras		
3.1070	SAS Tripod 1.44 m floor standing	Each
3.2005	SAS Stand – stainless steel	Each
3.1069	SAS Tripod Telesco 2.9 m Floor standing	Each
2.1252	IQ/OQ Manual	Each
3.1065	SAS Daily Heads – Contact	Case of 40
3.1066	SAS Daily Heads – 90 mm Petri	Case of 40
3.1092	SAS Drilled Head S/S Contact	Each
3.1093	SAS Drilled Head S/S Petri	Each

## 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

