



# SAS Super Duo 360

## Twin Headed Microbial Air Sampler for Cleanroom Monitoring

The SAS range has been at the forefront of environmental monitoring for over 30 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 theatres, or laboratories, as well as office and outdoor environments.

The battery powered Duo 360 will sample over 40,000 litres on a full charge and is easy to wipe down and clean. The sampler is supplied complete with carry case, charger and calibration certificate.

## Applications

The SAS Duo 360 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 theatres
- Dual TVC on bacteria & fungi monitoring

## Features & Benefits

### Multi-point impaction sampling

Developed from multi-stage sieve samplers, the SAS utilises 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.

### Dual sampling

The twin headed Duo 360 allows the user to run two samples simultaneously, so increasing greatly the capacity for sampling. This is particularly beneficial where a bacterial and fungal sample is required at the same location. The simultaneous sample reduces total sampling time by 50%.

### Battery powered

The nickel metal hydride battery pack will provide well over 40,000 litres worth of sampling on a single charge. The rapid charger will have the unit fully recharged in 4 hours, allowing significant numbers 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 - 20 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 metre sample can be divided into smaller samples with a time delay between each.

**Delivering Confidence for your Cleanroom**

## Technical Data

### Product Specifications

Sampling Rate:	180 litres / minute per head
Sample Size:	1 – 1800 litres operator selectable – 8 presets plus 8 user definable
One m <sup>3</sup> run time:	5mins, 33 secs per head
Construction Materials:	Powder coated polyurethane resin & stainless steel ( <i>full details available</i> )
Consumables Used:	Contact plates or 90mm Petri dishes – <i>must be defined at ordering</i>
Power Supply:	12 VDC nickel metal hydride battery pack
Battery Capacity:	2700mAh (approx. 40,000 litres of air sampling)
Battery Recharge Time:	Approx. 4 ½ hours
Sampler Dimensions (mm):	365 x 280 x 110 (L x W x H)
Sampler Weight (kg):	With stainless steel drilled heads – 3.3kg
Carry Case Dimensions (mm):	455 x 368 x 166 (L x W x H)
Total Weight (kg) (inc sampler, case, charger):	With stainless steel drilled head – 6.3kg

### Ordering Information

Part Number	Description	Packaging
<b>3.1002</b>	SAS Super Duo 360 air sampler, Contact, s/s Drilled head	Per Item
<b>3.1058</b>	SAS Super Duo 360 air sampler, Petri, s/s Drilled head	Per Item

### Optional Extras

<b>3.1070</b>	Basic tripod – 1.44m high	Each
<b>3.2005</b>	SAS stand – stainless steel	Each
<b>3.1065</b>	Daily Heads - Contact	Case of 40
<b>3.1066</b>	Daily Heads – 90mm Petri	Case of 40

### Terms & Conditions

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



7 & 8 Launton Business Centre, Murdock Road, Bicester, OX26 4XB, United Kingdom  
T. +44 (0)1869 355500 F. +44 (0)1869 355545 E. [sales@cherwell-labs.co.uk](mailto:sales@cherwell-labs.co.uk)

[www.cherwell-labs.co.uk](http://www.cherwell-labs.co.uk)