

SAS Super Duo 360 USB



Twin Headed 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 Duo 360 will sample approximately 40,000 liters 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:

- ▶ Grade A monitoring of isolator cabinets ▶ Routine clean room monitoring
- ▶ Dual TVC on bacteria & fungi monitoring ▶ 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.

▶ 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

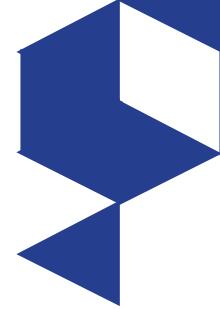
The nickel metal hydride battery pack will provide approximately 40,000 liters worth of sampling on a single charge. The rapid charger will have the unit fully recharged in approximately 4 hours, allowing a significant number of samples to be completed per day.

▶ 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.

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

Sampling Rate	180 liters/minute
Sample Size	1 – 2000 liters operator selectable – 8 pre-set plus 8 user definable
One m³ run time	5 min., 33 secs per head
Construction Materials	Powder coated polyurethane resin & stainless steel (full details available)
Consumables Used	Contact plates or 90 mm Petri dishes – must be defined at ordering
Power Supply	Rechargeable Nickel Metal Hydride (without memory effect)
Battery Capacity	2700 mAh (approximately than 40,000 liters of air sampling)
Battery Recharge Time	Charge for at least 4 hours
Sampler Dimensions (mm)	352 x 260 x 110 (H x W x D)
Sampler Weight (kg)	With stainless steel drilled head – 3.3 kg
Carry Case Dimensions (mm)	455 x 368 x 166 (L x W x H)
Total Weight (kg)	With stainless steel drilled head – 6.3 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@analyticchem.com to learn which SAS air samplers are offered in your country.

Part Number	Description	Packaging
3.1135	SAS Super Duo 360 air sampler, Contact, s/s Drilled head	Per Item
3.1137	SAS Super Duo 360 air sampler, Petri, s/s Drilled head	Per Item

Optional Extras		
3.1070	Basic tripod - 1.44 m high	Each
3.2005	SAS stand - stainless steel	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

