



Product Data Sheet

VS8600 Series

iVAS Roam Portable Air Sampler

Expanding on our existing viable air sampling technology, the iVAS Roam delivers assured sampling performance that is EN 17141:2020 compliant. With an innovative design and user-friendly graphical interface, the iVAS Roam is a feature rich, intuitive portable air sampler. Harnessing over 20 years of experience in the cleanroom technology sector, Pharmagraph have applied their expertise to the design and development of the iVAS Roam. Creating a product that can either integrate directly with our enVigil FMS software or operate as a standalone unit, managing set up and sampling records with the companion iVAS Roam Manager software tool.

Designed for use in cleanroom environments of all grades, the iVAS Roam offers the user a range of features and benefits that support a compliant environmental monitoring strategy.

- Integral barcode reader records plate details and captures information in the sample record.
- Two incorporated RFID readers capture operator ID and unit location in the sample record.
- Features a retaining mechanism for the sieve head, enabling easy movement of the unit between sampling locations.
- Adjustable plate height and size.



Traceability

Incorporates innovative user location and plate tracking technology for capturing key sample data without user input.

Creating end-to-end data integrity of sample records.



User Friendly

Easy to use touchscreen, with user friendly, intuitive graphics that clearly display sample progress and completion. Simple sampling setup from predefined recipes and tours.



Compliant

Directly supports compliance with industry regulations and standards, making it an invaluable asset for maintaining cleanroom or laboratory accreditation and quality control.



Sample Tour Functionality

Innovative Tour configurator feature that enables users to predefine sample locations in a tour pattern. Simplifying the setup of complex sampling routes, whilst guaranteeing that every critical area is monitored systematically.



Software Info

iVAS Roam Manager Software Utility

- Ability to deploy a single site configuration to multiple units.
- Comprehensive audit trail offers a detailed record of all changes made within the application, providing traceability that is essential for compliance with regulatory standards.
- Real-time data synchronization maintains an up-to-date database, vital for real-time compliance monitoring and reporting.
- Advanced reporting and visualisation generate detailed reports in multiple formats that are easy to interpret and analyse.

Sample Tour Functionality

Used in conjunction with iVAS Roam Manager, the innovative Tour configurator feature allows users to meticulously create a Tour, incorporating specific areas and locations that the device will visit for air sampling. Through the manager, these Tours can be easily configured and then saved directly to each device, ensuring a seamless transition from planning to execution.

What sets this configurator apart is its intuitive user interface, which supports the ordering and dragging of locations to craft the exact sequence desired for the sampling process. This capability not only simplifies the setup of complex sampling routes but also guarantees that every critical area is monitored systematically, enhancing the thoroughness and reliability of environmental data collection.



Technical Specifications

Sampling Flow Rate	50 or 100lpm	Program Features	20 Programmable Sample Recipes 50 Programmable Users Programmable Start Delay Stores at least 2500 Records
Exhaust Air	HEPA filtered (>99.999% efficiency)	Sampling Modes	Continuous, Intermittent,
Compatible Plate Size	90mm plates, adjustable for fill depth	Dimensions	Sieve head diameter: 10.4 cm Whole unit: 26 x 20 x 14 cm
Physical Efficiency (D50 Value)	1.13 µm @ 100lpm 1.62 µm @ 50lpm	Environmental	Operating temperature 0 to 45°C Storage temperature -20 to 60°C Relative humidity: 5 - 95% (non-condensing) Altitude - below 5000m
Unit Weight	2.6 kg	Connection Type	USB-C for communication and charging Supplied with power supply for either EU, UK, US or CA plug as standard.
Battery Specification/Life	Internal 14.4V, 96 Wh Li-ion battery >8.5 hours sampling @ 100 lpm Charge time 4 hrs from 0% to 100%	Cleaning Agent Compatibility	IPA, QUATS, 3% H ₂ O ₂
User Tracking	PIN or RFID Tag (RFID Tracking model only)	Materials of Construction	Body - ABS Sieve Head - 316L Stainless Steel
Location Tracking	Manual Entry or RFID Tag (RFID Tracking model only)		
Plate Tracking	Barcode Scanner		
User Interface	4.3" angled colour touchscreen		



Ordering Information

Item	Description
VS8601-SP	iVAS Roam RFID Starter Pack Including: iVAS Roam Sampler with RFID Tracking pack, power and communication lead, power supply with either EU, UK, US or CA plug as standard, iVAS Roam Manager software license.
VS8602-SP	iVAS Roam Starter Pack Including: iVAS Roam Sampler, power and communication lead, power supply with either EU, UK, US or CA plug as standard, iVAS Roam Manager software license.
VS860-FC	iVAS Roam Carry Case
VS8603	iVAS Roam Sieve Head