

СИСТЕМА КОНТРОЛЯ ВОЗДУХА RCS



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RCS® Microbial Air Samplers

The RCS® High Flow Touch Microbial Air Sampler is equipped with a high-resolution color touch-screen and intuitive software for maximum ease-of-use. Self-explaining icons quickly guide through the menus.

New color touchscreen makes operation easy

- Modern design for fast and easy handling
- Commonly used symbols and functions
- Quick change of menus, easy programming

Intuitive user interface for user-friendly navigation

- Key information and setting changes on a single screen
- Standardized settings and flexible sampling options
- Acoustic signaling
- Management of up to ten rotors
- Language options

Innovative software solutions easily integrated

- RCS® Management Software: Safety, control and flexibility
- CalibSo Software: Automated calibration with HYCON® Anemometer



Innovative – operating reliability with innovative battery concept

To operate battery-driven instruments reliably easy recharging mechanisms and visual control options are required. The innovative battery concept of the RCS® High Flow Touch Microbial Air Sampler combines flexible charging options and reliable battery status reporting.

- Integrated high capacity, long-life lithium-ion battery
- Capacity to perform more than 30 x 1000 L measurements with one full charging cycle
- Continuous capacity measurement of the battery
- Easy cable-based recharging, or use of an optional docking station with LED control at any time

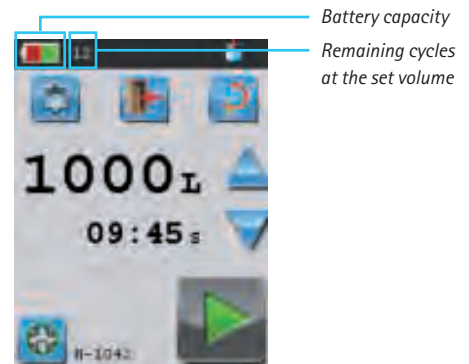


LED-controlled docking station for easier charging of the integrated battery

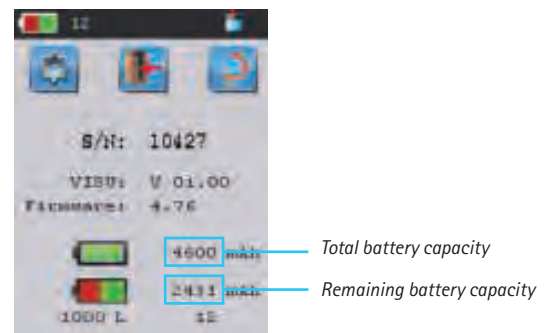
Instrument status now easily monitored

The RCS® High Flow Touch Software offers two control options for monitoring the battery status.

- **Main window with status bar**
The status bar in the main window contains a battery status icon visualizing the remaining capacity of the battery. Dependent on the selected sampling volume, it also displays the remaining number of measurements.
- **System information window displaying battery capacities**
The total and actual capacities of the integrated battery are shown on the system's information screen.



Main window with status bar



System information window displaying battery capacities

Robust – minimal service and maintenance

The RCS® High Flow Touch Microbial Air Sampler is a robust instrument that requires minimal service and maintenance. To ensure its continued and reliable operability the rotor should be calibrated every year.

- Reliable calibration and repair services carried out by Merck and by authorized service partners
- Instrument qualification plans and comprehensive validation documentation support provided upon installation
- Calibration training on how to use the HYCON® Anemometer and the CalibSo Software conducted by our instrument specialists



*RCS® High Flow Touch
Microbial Air Sampler with
HYCON® Anemometer*

Technical specifications

Sampling principle	Centrifugal impaction (Reuter Centrifugal Sampler, RCS)
Operation	Portable device, integrated color touchscreen
Electrical supply	Rechargeable Lithium-ion battery, power supply, (optional) docking station
Air flow rate	100 L/min (1000 L in 10 min)
Sample volumes	7 pre-set, 3 user-defined (1–2000 L)
Rotor speed	8200 rpm
Dimension	300 x 130 x 110 mm (H x W x D)
Weight	1500 g
Connection	Serial RS232, USB adapter, standard tripod thread
Material	Housing: Lexan polycarbonate; head: aluminium/stainless steel (autoclave-able)
Validation	According to ISO 14698 with agar media
Calibration	Automated calibration (CalibSo Software, HYCON® Anemometer), calibration reminder
User-defined settings	Date/time, language, time delay, interval sampling, QA Management

Ordering information

RCS® High Flow Touch	Ord. No.
RCS® High Flow Touch Microbial Air Sampler Including power supply, serial RS232 cable, USB adapter, RCS® Management Software, rotor, protection cap, carrying case, calibration certificate, quick start guide and user manual	1.44194.0001
RCS® High Flow Touch Accessories	Ord. No.
Docking Station For recharging the integrated Lithium-ion battery	1.44256.0001
RCS® Compressed Gas Adapter Touch Autoclave-able adapter for microbial monitoring of compressed gasses; designed for a pressure of 1 bar	1.44257.0001
Nozzle Set for RCS® Compressed Gas Adapter Set of five nozzles to extend the air inlet pressure from 1 bar to 0.1–7.0 bar	1.44235.0001
Sterile Sleeves 10 pieces; for covering non-autoclave-able housing parts	1.44199.0010
Tripod For use at heights up to three meters	1.44209.0001
Table-top Tripod For horizontal operation	1.44210.0001
RCS® High Flow Touch Validation Handbook German version	1.44176.0001
English version Comprehensive compendium of validation data for RCS® Microbial Air Samplers (RCS® High Flow, RCS® Isolator, RCS® Plus) and Agar Strips; contains RCS® Qualification Handbook for RCS® High Flow Touch	1.44189.0001
RCS® High Flow Touch Qualification Handbook German version	1.44178.0001
English version Plan for instrument qualification of the RCS® High Flow Touch in controlled areas, contains IQ/OQ/PQ	1.44192.0001
CalibSo Calibration Software for automated, computer-aided calibration and data storage	1.44206.0001
HYCON® Anemometer Portable device for measuring the air flow rate during calibration of RCS® Microbial Air Samplers	1.44205.0001
Rotor Spare part, autoclave-able Each combination of sampler and rotor must be calibrated separately	1.44196.0001
Protection Cap Spare part (stainless steel), autoclave-able For protection of the rotor during air sampling	1.44225.0001

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