

MICROBIAL SAFETY AT YOUR FINGERTIPS

RCS[®] High Flow Touch



The life science business
of Merck KGaA, Darmstadt,
Germany operates as
MilliporeSigma in the
U.S. and Canada.

Millipore[®]

Preparation, Separation,
Filtration & Monitoring Products

RCS® High Flow technology



Cleanrooms and environments in food industries, medical and pharmaceutical industries are subjected to thorough microbial air monitoring routines to ensure high product quality, to maintain a safe work environment and to meet regulatory requirements.

The RCS® High Flow Touch has been designed to meet these requirements and, furthermore, to provide maximum ease of handling. Employing the RCS® High Flow technology, the instrument ensures reliable and reproducible results along with comprehensive validation documentation.

Instrument features such as a high resolution color touchscreen, an intuitive software, an intelligent battery concept with advanced control options and a modern, ergonomic design allow for maximum reliability in monitoring ambient air and compressed gas.

RCS® technology

For more than 30 years RCS® Microbial Air Samplers have been successfully used by pharmaceutical and food manufacturing companies worldwide. All RCS® Samplers employ the principle of centrifugal impaction according to Reuter – the pioneer technology for portable, battery-driven microbial air samplers – and provide the following key benefits:

- Gentle impaction speed
- Low turbulence and controlled air stream
- Even distribution of microorganisms
- No local drying of the agar
- Complete system with standardized agar media
- Easy test of compressed gasses by using the RCS Compressed Gas Adapter Touch
- Easy disinfection, autoclave-able sampling head

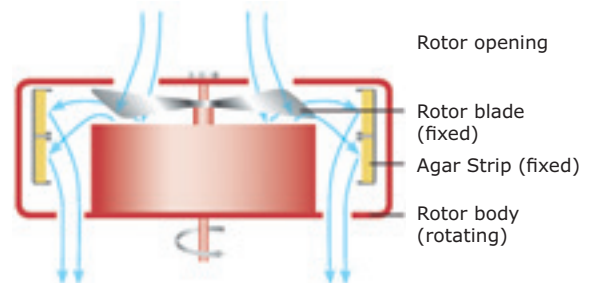


Illustration of the Reuter Centrifugal Impaction Principle

RCS® High Flow Touch – standardized air monitoring with an easy touch

Reliable

- Proven technology using standardized agar media
- Innovative battery concept with advanced control options
- Compatible with common sterilization and disinfection methods

Fast

- Short sampling times with a flow rate of 100 L/min
- Convenient programming with an easy touch
- From preparation to start of measurement within a minute

Flexible

- Portable, battery-driven and light weight
- Horizontal and vertical installation, measurement at heights of up to 3 meters
- User-defined sampling options like individual volumes, time delay, interval sampling

convenient

Flexible operation with an easy touch

The RCS® High Flow Touch Microbial Air Sampler is equipped with a high-resolution color touchscreen and intuitive software for maximum ease-of-use. Self-explaining icons quickly guide through the menus. The instrument can also dual function to test compressed gas with the use of our compressed gas adapter.

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

Two instruments in one

- Autoclavable compressed gas adapter gives the added ability for microbial monitoring of compressed gasses
- Easy to switch from viable air testing to compressed gas testing
- Uses same consumables so no added costs



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

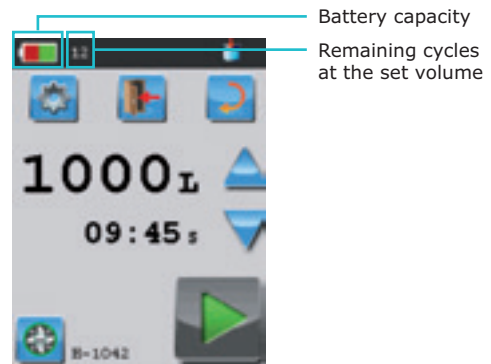


LED-controlled docking station for easier charging of the integrated battery

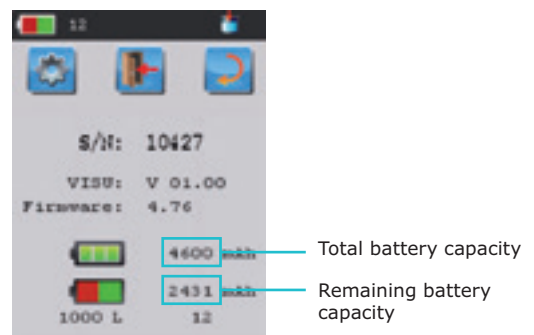
Instrument status now easily monitored

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



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 MilliporeSigma and by authorized service partners
- Instrument qualification plans and comprehensive validation documentation support provided upon installation

Ordering information

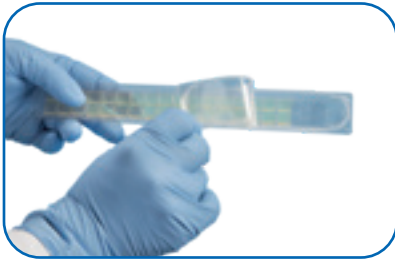
RCS® High Flow Touch	Mfr. No.	Thomas No.
RCS® High Flow Touch Microbial Air Sampler Including power supply, serial RS232 cable, USB adapter, RCS® Management Software, rotor, protection cap, carrying case, calibration certificate, quick start guide and user manual	1441940001	—
RCS® High Flow Touch Accessories	Mfr. No.	Thomas No.
Docking Station For recharging the integrated Lithium-ion battery	1442560001	—
RCS® Compressed Gas Adapter Touch Autoclave-able adapter for microbial monitoring of compressed gasses; designed for a pressure of 1 bar	1442570001	—
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	1442350001	—
Sterile Sleeves 10 pieces; for covering non-autoclave-able housing parts	1441990010	—
Tripod For use at heights up to three meters	1442090001	—
Table-top Tripod For horizontal operation	1442100001	—
RCS® High Flow Touch Validation Handbook 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	RCHFLTVP1	—
Rotor Spare part, autoclave-able Each combination of sampler and rotor must be calibrated separately	1441960001	—
Protection Cap Spare part (stainless steel), autoclave-able For protection of the rotor during air sampling	1442250001	—

validated

Complete system with standardized agar media

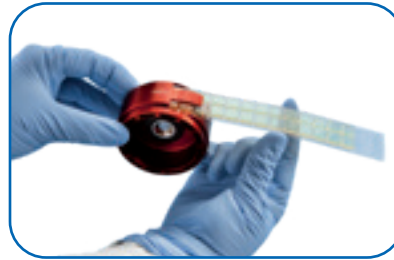
The RCS® High Flow Touch Microbial Air Sampler is used with standardized agar media. These are manufactured under strictly controlled aseptic conditions. Thus, the RCS® High Flow Touch Microbial Air Sampler provides a complete system, which has been extensively validated to meet regulatory requirements.

1



Open HYCON® agar strip wrapper

2



Insert HYCON® agar strip into rotor

3



Place rotor on instrument

4



Close the protection cap –
system ready to start

Unique features of HYCON® agar strips for RCS® instruments

- Total count and specialized agar media
- Additionally available: Gamma-irradiated products in double packaging for higher cleanroom classes
- Individually packaged agar strips ensures sterility of unused strips to reduce waste
- Rigorous quality control during production, including visual inspection of each agar strip
- Performance, packaging and storage extensively validated
- Incubation and evaluation within re-sealed packaging

Agar Strips - Total Count	Package Size	Mfr. No.	Thomas No.
TC Tryptic Soy Agar for determination of the total count, store at 2–25°C	50 strips	1442530050	—
TSM Modified Tryptic Soy Agar with neutralizers against disinfectants and growth supplements; for identification of the total count of fastidious and sublethally damaged microorganisms, store at 2–25°C	50 strips	1442400050	—
TC-γ Gamma-irradiated Tryptic Soy Agar, double-wrapped; for determination of total count in aseptic environments, store at 2–25°C	40 strips	1442260040	CHM01T804
TCI-γ Gamma-irradiated Tryptic Soy Agar with neutralizers, double-wrapped; for determination of total count in aseptic environments and in peroxide-containing air, store at 2–25°C	40 strips	1442280040	CHM01V829
LAC-γ Gamma-irradiated Tryptic Soy Agar with broadspectrum cephalosporinase; for determination of total count in aseptic environments containing antibiotics, store at 2–25°C	40 strips	1441080040	—

Agar Strips - Selective Agar Media	Package Size	Mfr. No.	Thomas No.
SDX Sabouraud Dextrose Agar with modified Pharmacopoeia formulation; for determination of yeasts and molds, store at 2–25°C	50 strips	1442430050	C836A93
SDX-γ Sabouraud Dextrose Agar with modified Pharmacopoeia formulation; for determination of yeasts and molds in aseptic environments, store at 2–25°C	40 strips	1442440040	—
DG-18 Dichloran Glycerine Agar; for determination of yeasts and molds, store at 2–25°C	25 strips	1442450025	—
YM Rose Bengal Agar with streptomycin; for determination of yeasts and molds, store at 2–25°C	50 strips	1442420050	C987R51

Agar Strips Accessories	Package Size	Mfr. No.	Thomas No.
Blank Strip Kit Empty strips for manual production of culture media for special applications	50 strips	1441070050	—
Cover Slides Cover slides for agar strips to prevent desiccation during incubation	100 slides	1441110100	—

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