

RCS High Flow Touch - RCS® Management Software



RCS High Flow Touch - RCS® Management Software Overview

Allows the definition of the following settings:

1. QA Management

- Reading instrument data and current QA settings
- Changing the QA Level on the instrument

2. Interval Sampling

- Activation of the Interval Sampling Function → user can set up a recipe and transfer it to the instrument defining: total sample volume - sampling time - number of cycles

3. Setting date and time

- Changing date and time settings for the RCS instrument

RCS High Flow Touch - RCS® Management Software connection

- RCS is equipped with a standard RS232 interface
- If the PC is not equipped with a serial interface, USB adapter can be used.
- On the RCS, the interface is shielded by a protection cap in order to prevent fluid entry



- Modified data are transferred to the RCS instrument by using serial RS232 interface

RCS High Flow Touch – RS232

Serial RS232 port on a computer (rare)



USB to RS232 adapter



RCS High Flow Touch – Connection

Procedure to establish the connection between RCS and the computer:

- 1) Install the RCS Management Software on the computer.
- 2) Remove the protection cap covering the RS232 interface.
- 3) Connect the RCS to the computer by using the RS232 cable provided with the RCS (If necessary, use the USB-to-RS232 adapter).
- 4) Switch on the RCS.
- 5) Start the RCS Management Software
- 6) Select “QA Management” or “Interval sampling”
- 7) Select “New”
- 8) Select “OK”

RCS High Flow Touch - RCS® Management Software

Main interface: select **QA Management** or **Interval Sampling** menu



RCS High Flow Touch - QA Management

The function QA Management (Quality Assurance) allows for the deactivation of certain functions of the Microbial Air Samplers RCS® High Flow

There are four QA Levels available.

- **QA Level 1:** All functions enabled.

This QA Level corresponds to the factory settings.

- **QA Level 2:** Change correction factor disabled.

This QA Level inhibits manual changes to the calibration factor.

- **QA Level 3:** Change sample volume disabled.

This QA Level inhibits the function “Volume Selection” in addition to QA Level 2.

- **QA Level 4:** Selection of rotor disabled.

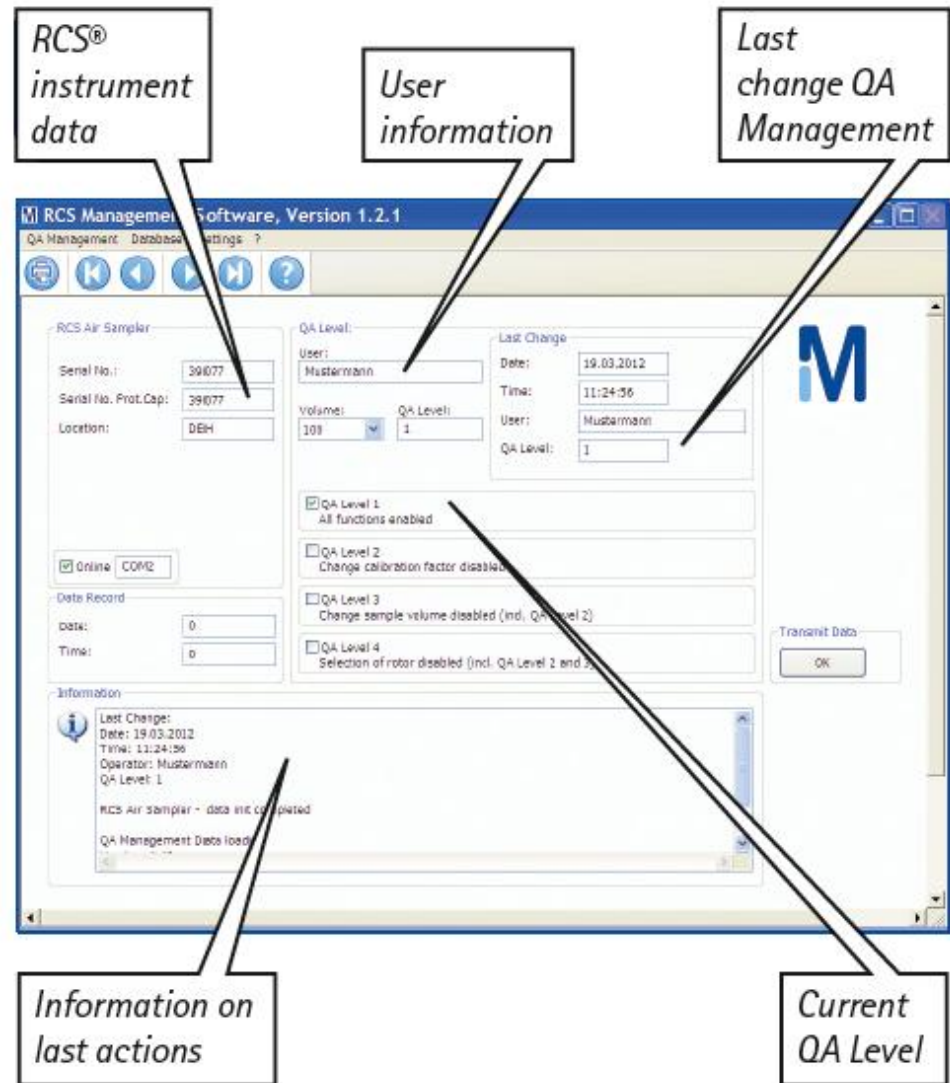
This QA Level inhibits the function “Rotor Selection” in addition to QA Level 3.

Note: The higher QA Levels automatically include the protection from the lower levels

RCS High Flow Touch - QA Management

After the connection has been established, the following information displays:

- RCS instrument data
- User information
- Last change (when, who)
- Current QA level
- Information

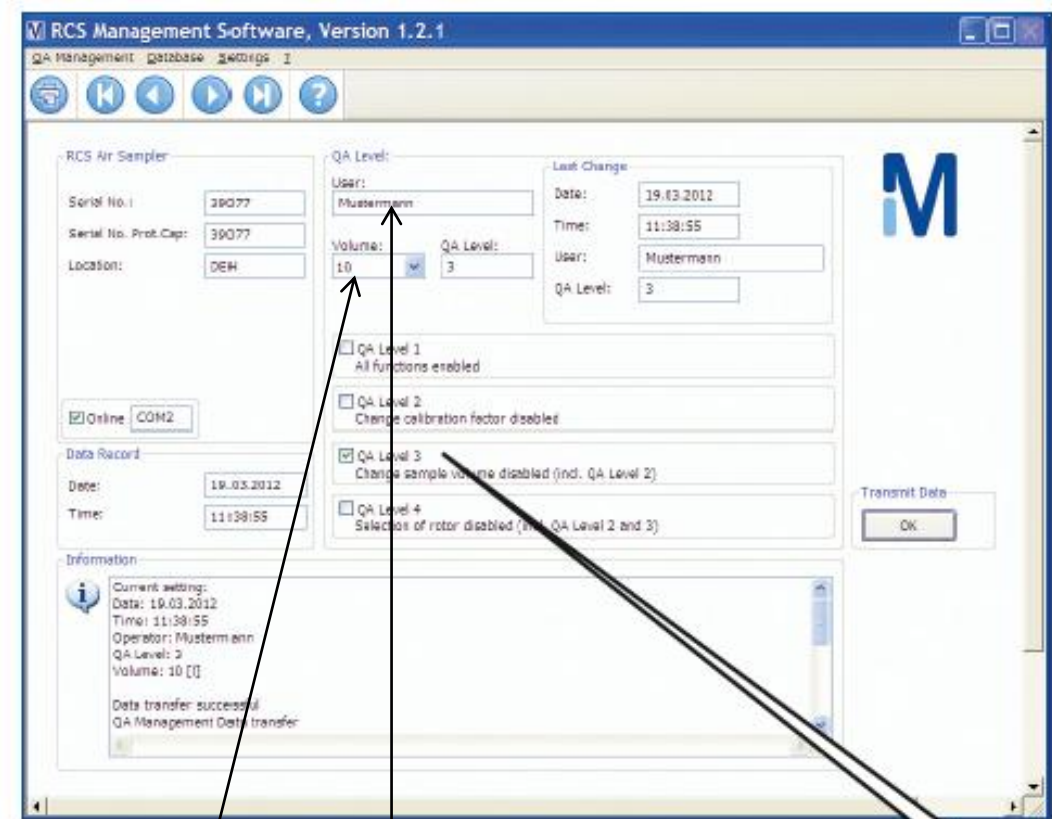


RCS High Flow Touch – Changing QA level

To change the QA Level, tick the QA Level of choice.

Note:

- Setting QA Level to 2, 3 or 4 requires to enter the name of the user making the modification
- Setting QA Level to 3 or 4 requires the definition of a sample volume in the “Volume” field



Sample volume

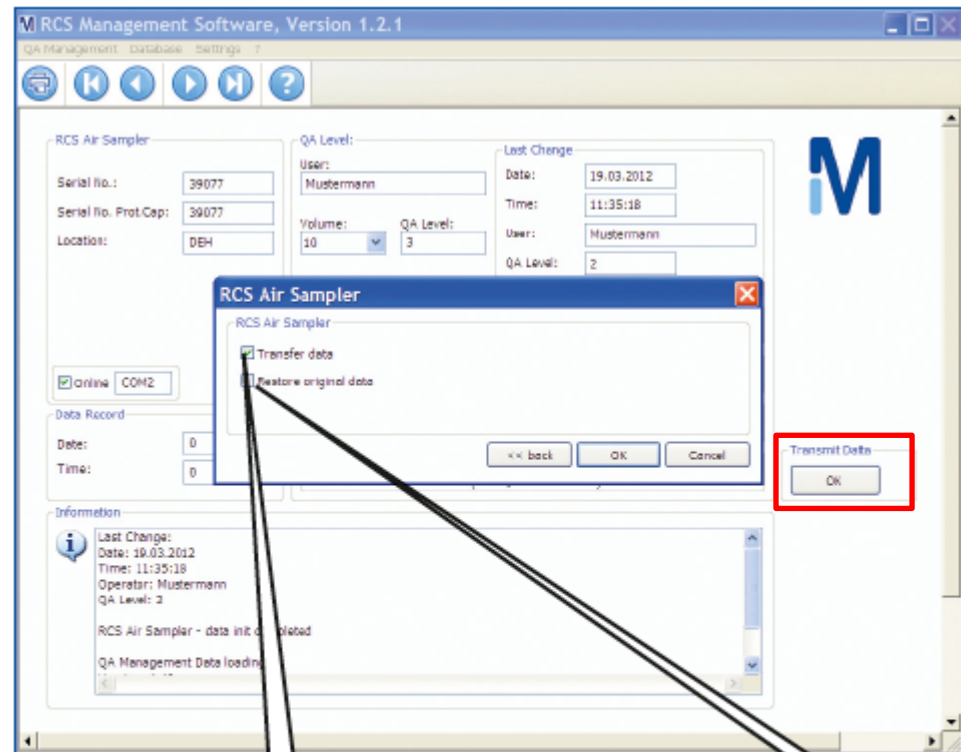
User identification

QA Level 3 is selected.

RCS High Flow Touch – Changing QA level

- For data transfer:
 - Select “OK“ in the “Transmit Data” field and tick “Transfer Data” in the window.
- For data storage:
 - If new data shall not be transferred and original data be retained, tick “Restore original data”.

The changed QA data is then logged with date, time and user ID.



Select "Transfer data" to store new data on RCS® instrument

Select "Restore original data" to maintain the previous settings

RCS High Flow Touch – Interval sampling

The interval sampling function is used in order to perform a continuous environmental monitoring over a defined time period.

In order to create the sampling recipe, the user has to define:

- sampling time
- sample volume
- number of interruptions

RCS software performs automatically a data verification step and calculates the correct intervals time and sampling time.

In the end it results in a sort of recipe which can be transferred to the RCS hardware after establish the connection.

RCS High Flow Touch – Interval sampling

After completion of the connection the following information are displayed:

- RCS instrument data
- User information
- Last change interval sampling

User can set up a sort of recipe and transfer it to the instrument, defining:

- Selected volume
- Selected time
- Selected number of intervals

Field with Calculated Data

The screenshot shows the 'RCS Management Software' interface with several callout boxes pointing to specific fields:

- RCS[®] instrument data**: Points to the 'Serial No.' and 'Location' fields.
- Selected volume**: Points to the 'Volume' field (value: 1000).
- User information**: Points to the 'User' field (value: Mustermann).
- Last change Interval Sampling**: Points to the 'Date' and 'Time' fields in the 'Last Change' section.
- Selected number of intervals**: Points to the 'Interval No.' field (value: 8).
- Selected time**: Points to the 'Period' field (value: 17 [min]).
- Field with calculated data**: Points to the 'Runtime', 'Single runtime', and 'Single pause' fields in the 'Calculated Data' section.
- Documentation of last actions**: Points to the 'Data Record' section.
- Information about activation**: Points to the 'Information' section.

RCS High Flow Touch – Interval sampling

Example:

- Selected volume. 1000 L
- Selected time: 17 min
- Selected number of intervals: 8

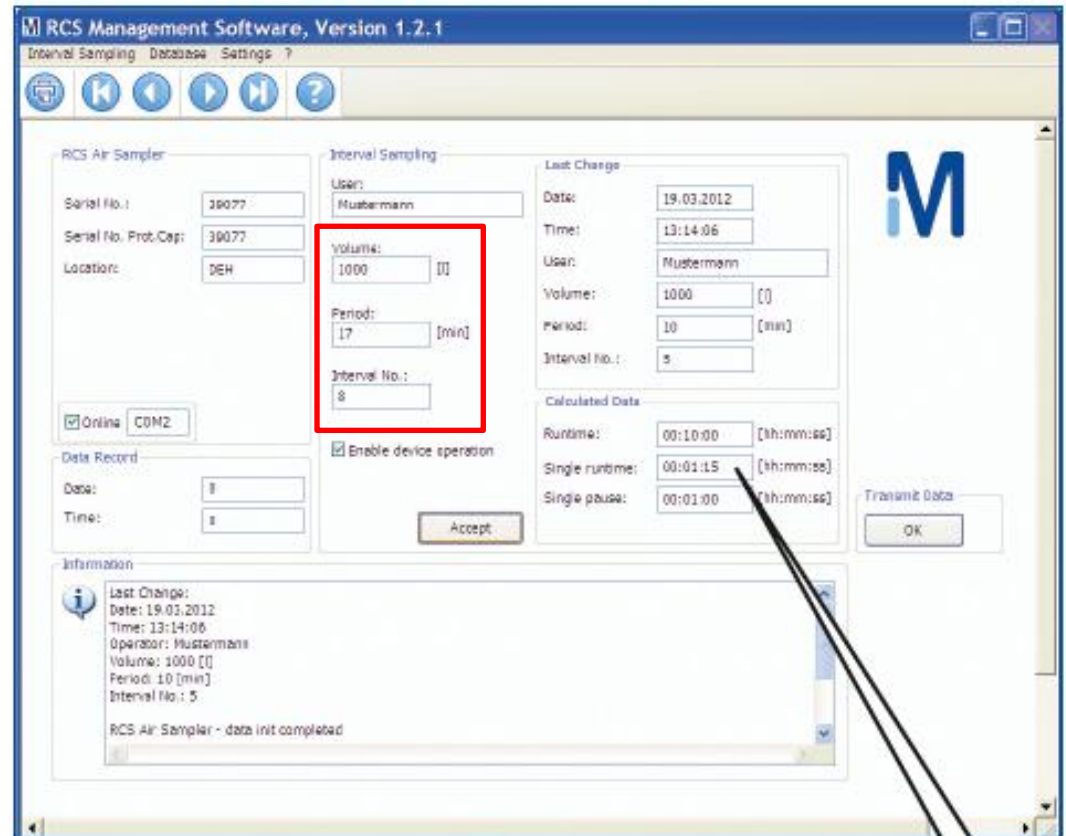


Select “Accept” to start the data verification.

Software calculates time periods.



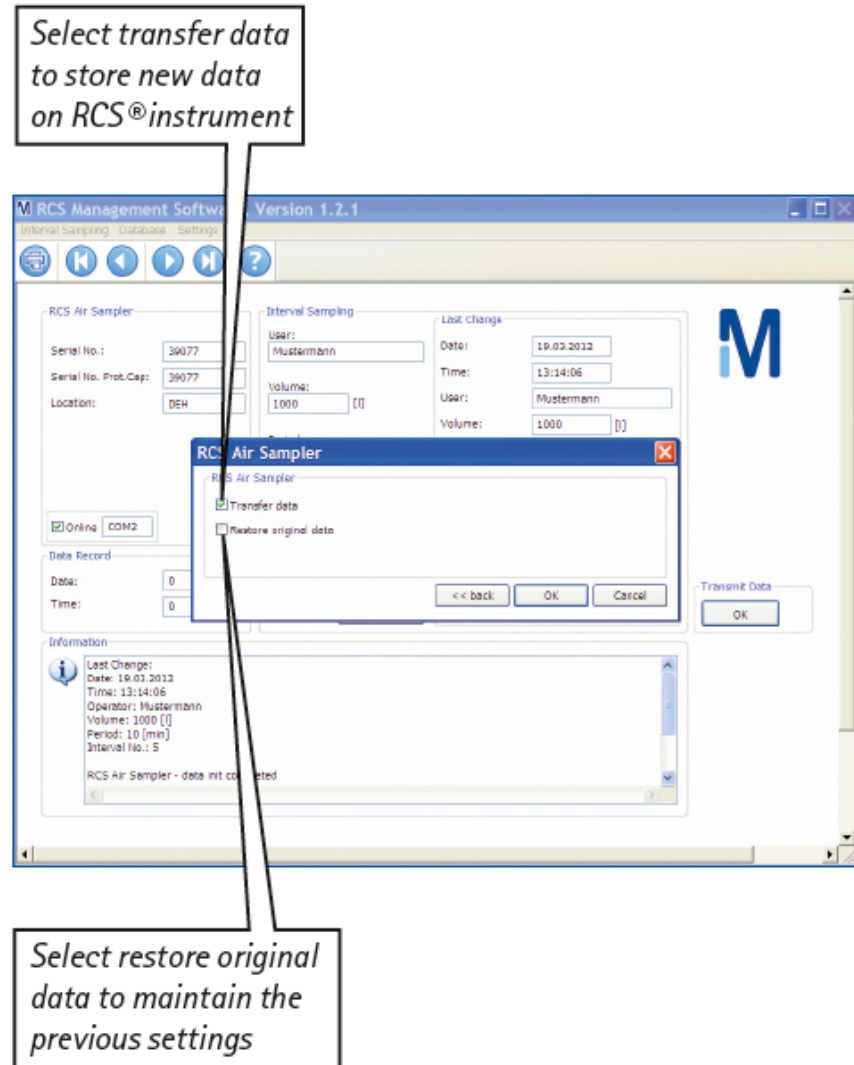
- Runtime: 10 min
- Single runtime: 1.15 min
- Single pause: 1 min



*Verified parameters
interval sampling*

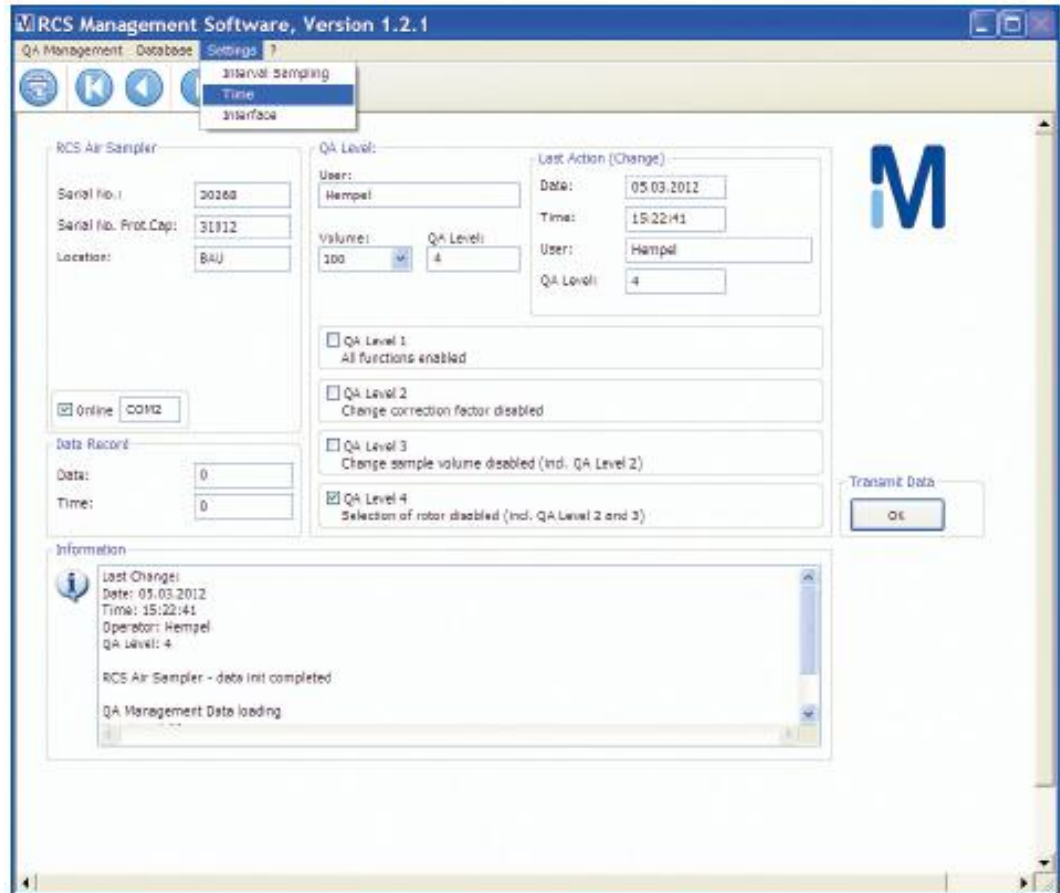
RCS High Flow Touch – Interval sampling

- For data transfer:
 - Select “OK“ in the “Transmit Data” field and tick “Transfer Data”.
- For data storage:
 - If new data shall not be transferred and original data be retained, tick “Restore original data”.



RCS High Flow Touch – Time and data

- Both QA Management and Interval Sampling menus give access to the “Time” menu by choosing “Settings – Time” from the upper status bar.



**Thank you
for your attention**