

- The slides are valid as at January 2021 and refer to Version 3.3 of the firmware.
- The slides are based on the default settings of the device.
- Slides discussing settings for which admin or super user rights are necessary or useful are identified as follows: **Special rights required**
- The slides must be selected depending on the target audience.



# WipeAlyser Training

Part 1: General

# WipeAlyser Analyser System



**WipeAlyser** is an electronic **analyser**.

It is used to **objectively**

- **evaluate,**
- **store and**
- **document**

**rapid drug screening test** results  
by **mobile** users.

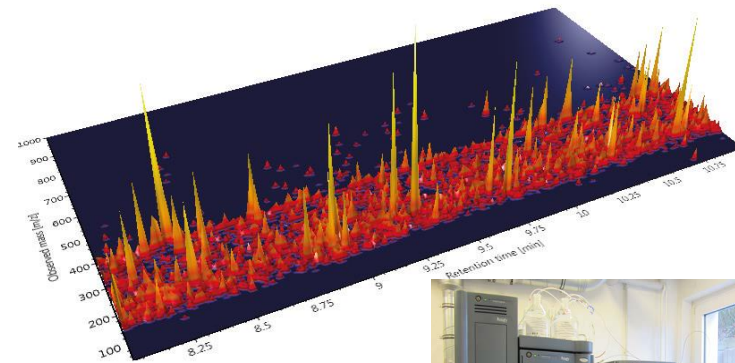
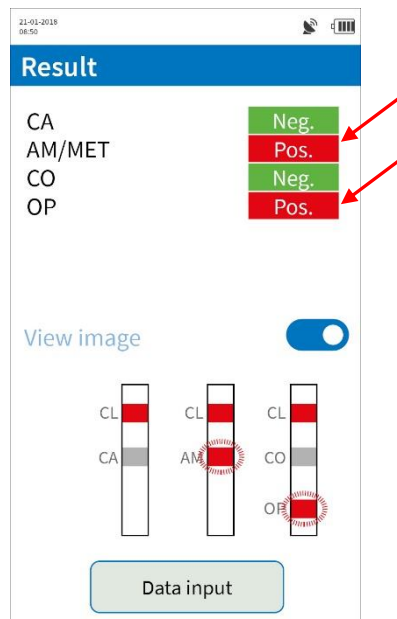
# Using WipeAlyser with DrugWipe



- WipeAlyser is **compatible** with **DrugWipe S** tests.
- The device returns a **qualitative** result, i.e. **positive/negative**.
- **DrugWipe** can still be **evaluated visually**.
- The **WipeAlyser** result is **authoritative**.
- **Drug combinations** and **cutoffs** depend on the **DrugWipe type** used.

# WipeAlyser – a drug pre-screening device

- WipeAlyser is a **screening** test device.
- **Positive** results must be validated by the **laboratory**.



# Temperature



- Operating temperature: **+5 to +40°C**  
(same as DrugWipe)
- Storage temperature: **-30 to +80°C**  
(up to 24 hours)
- The temperature is **monitored** by the device  
and **checked** prior to measurement.



- WipeAlyser is protected against **dust** and **splash water** (IP 54).
- WipeAlyser is **resistant to splash water** (printer lid closed); however, **heavy rain** and **long-term** exposure can still damage the device.
- **Contamination** of the **optical system** with **dust** can affect the measurement result. Run the **QC test** at regular intervals.

# Resistance to impact and vibrations

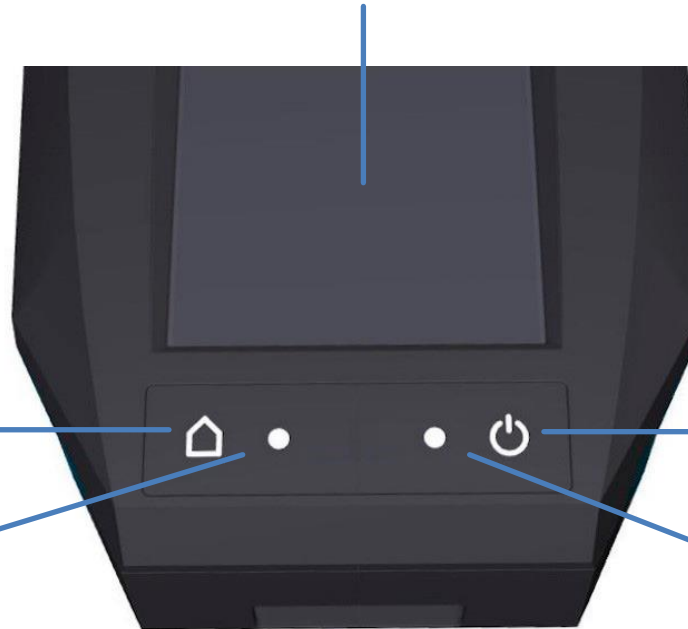
- Up to a certain degree, WipeAlyser is **resistant** to **impact** and **vibrations**\*
- But please remember that WipeAlyser is a **high-end optical measuring device**. It should be handled with care.
- The **carrying bag** offers additional protection.



\* in accordance with IEC 60068-2-64, IEC 60068-2-27



Touchscreen



**Home button** to go to the main menu

**Start button** with On/Off function

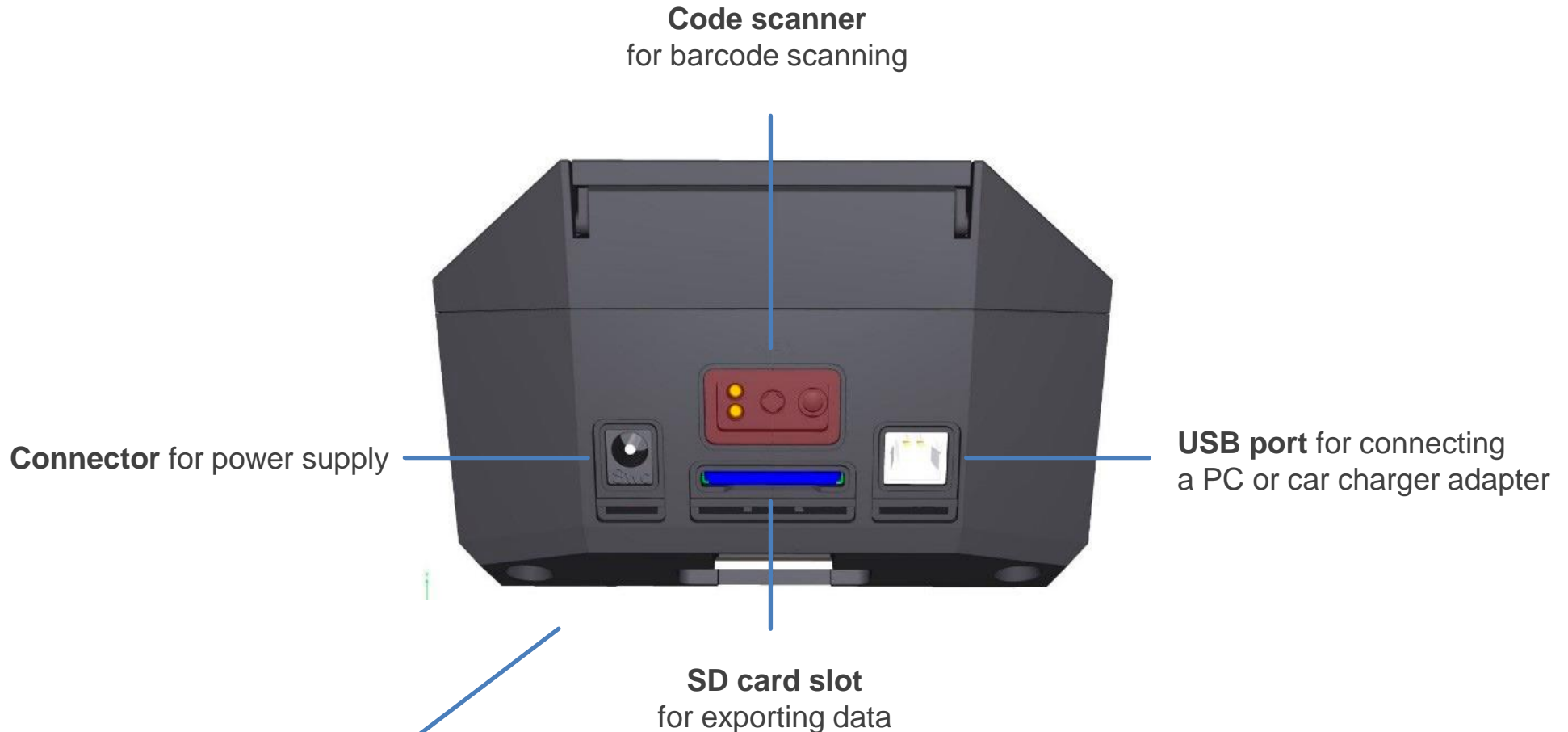
**Result status LED:**

**Status LED:**

- : negative
- : positive
- ✱ : Flashing = test invalid

- : On
- : Eco mode
- ✱ : Flashing = charging
- : Steady light = fully charged
- ✱ : Flashing = hardware error

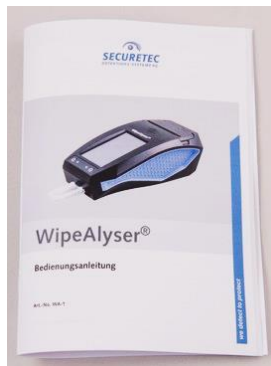
# Device connections



A **Reset button** is located at the **bottom** in case the device “freezes up.”



**Carrying bag**



**User Guide**



**Power cord and power supply**



**USB cable** for data transfer to the PC and powering the device via car charger adapter



**Car charger adapter**



**USB stick** with PC software and PDF user guides



**Roll of printer paper  
(thermal paper, 56 mm wide)**



**Styluses**

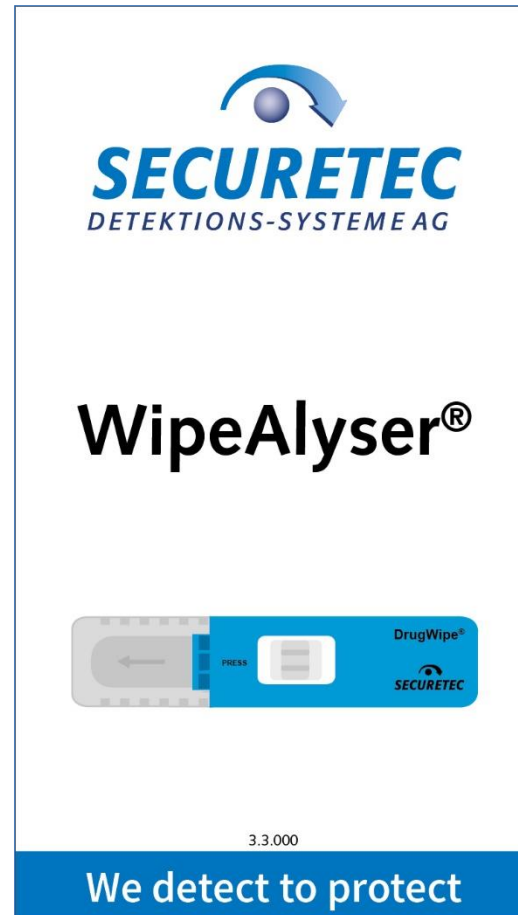


**Quality control tests (QC tests)**



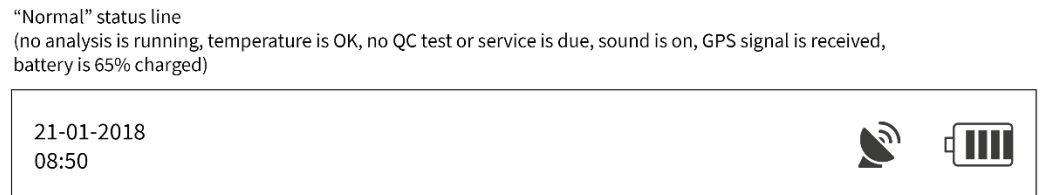
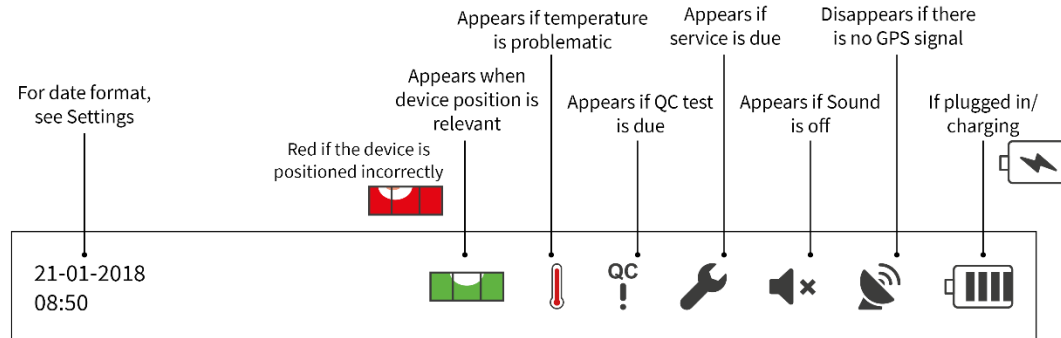
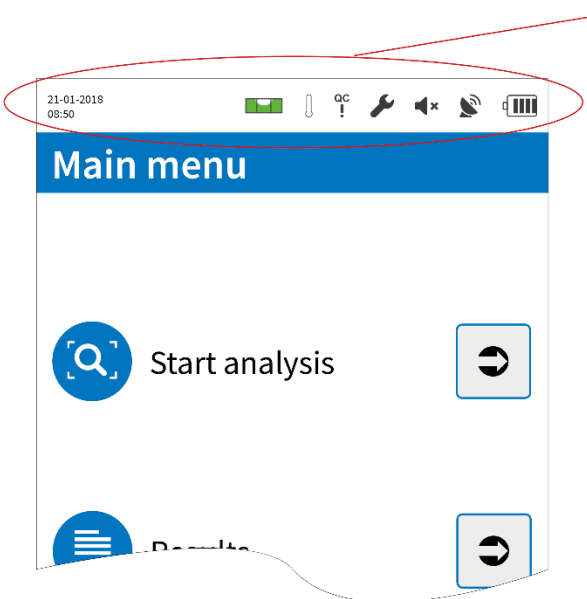
## WipeAlyser Training

Part 2: How to perform a measurement



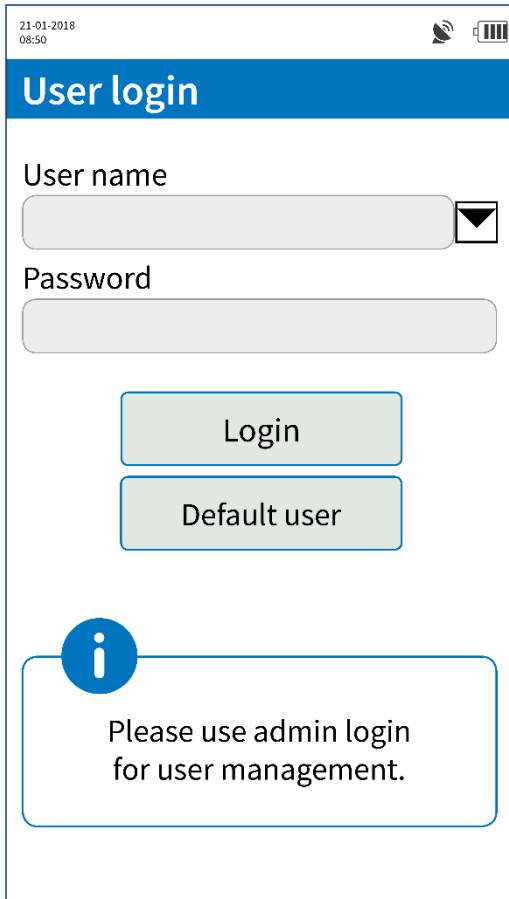
- Press the **Start** button to power on WipeAlyser.
- The **welcome screen** appears.

# Status bar



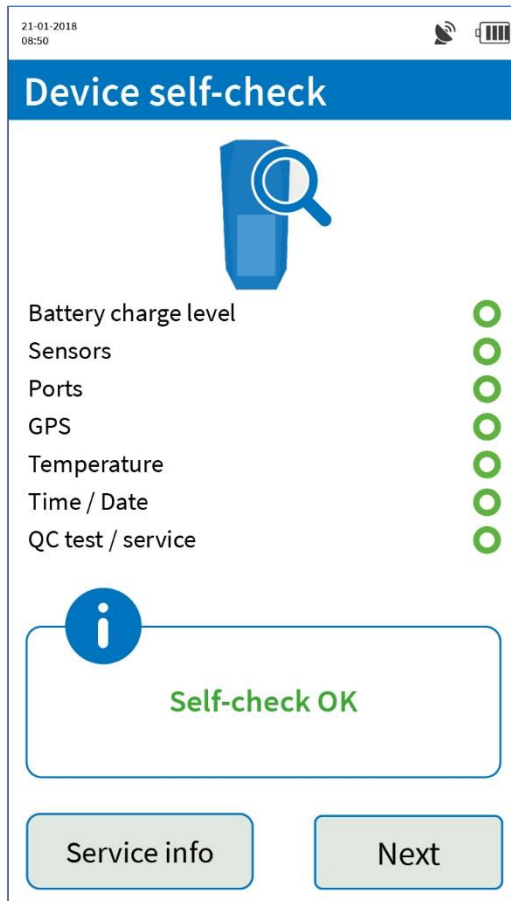
we detect to protect





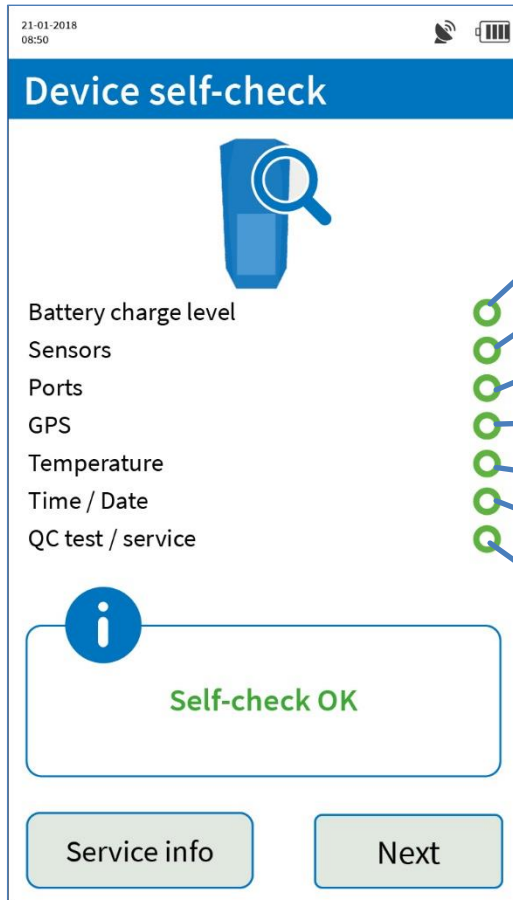
The screenshot shows a mobile application interface for user login. At the top left, the date and time are 21-01-2018 08:50. The title bar is blue and contains the text 'User login'. Below the title bar, there are two input fields: 'User name' and 'Password'. The 'User name' field has a dropdown arrow on the right. Below the input fields are two buttons: 'Login' and 'Default user'. At the bottom, there is an information icon (a blue circle with a white 'i') and a text box containing the message: 'Please use admin login for user management.'

- **Login** requires a **user name** and **password**.
- The **administrator** is responsible for **user management**.
- You can also log in as **standard user**. This **keeps the user anonymous** and can be **disallowed** by the administrator.



- After login, the device runs through a **self-check**.
- This checks the **technical condition** of WipeAlyser.

# Self-check



Battery sufficiently charged

Sensors operational (e.g. level sensor)

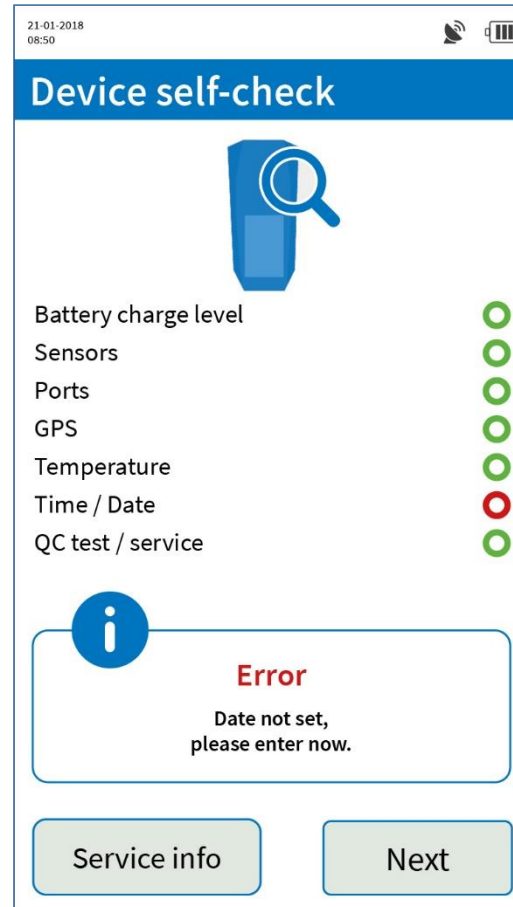
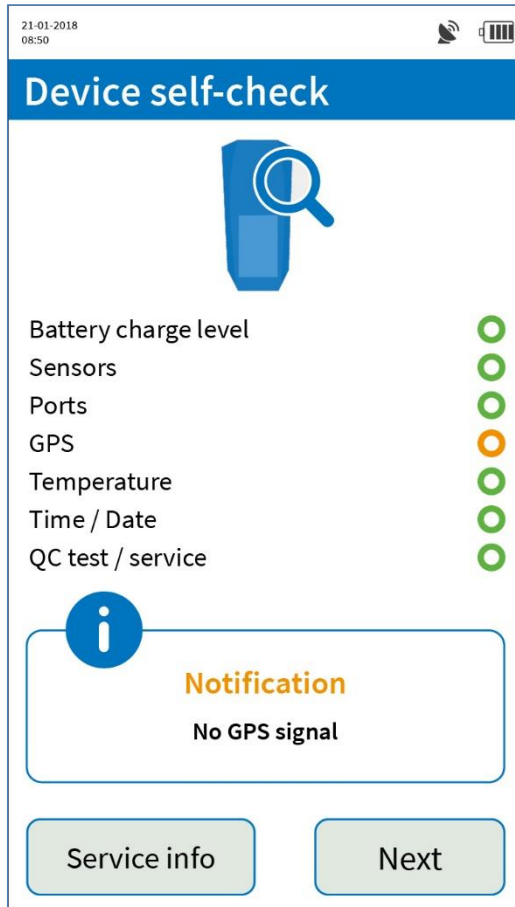
Interfaces operational (e.g. USB)

GPS signal received (outdoors only)

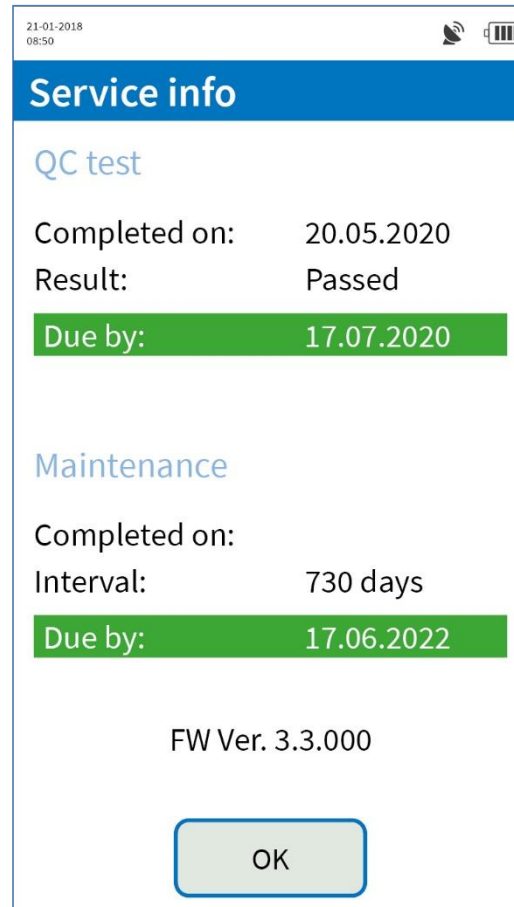
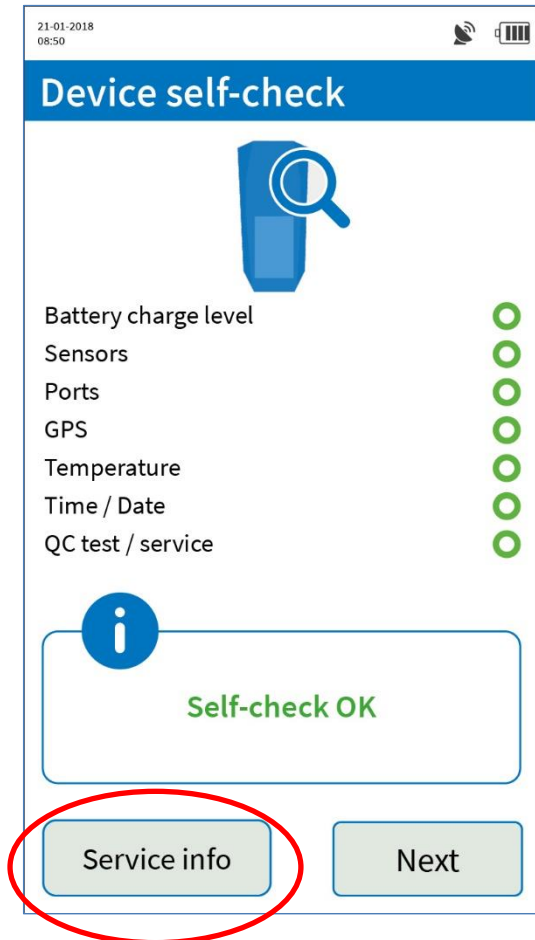
Temperature within allowed measuring range

Time/date set and plausible

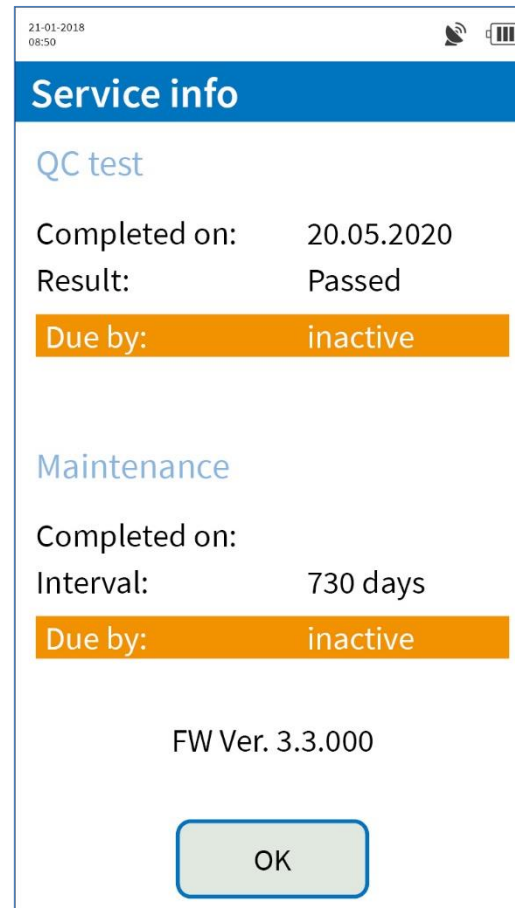
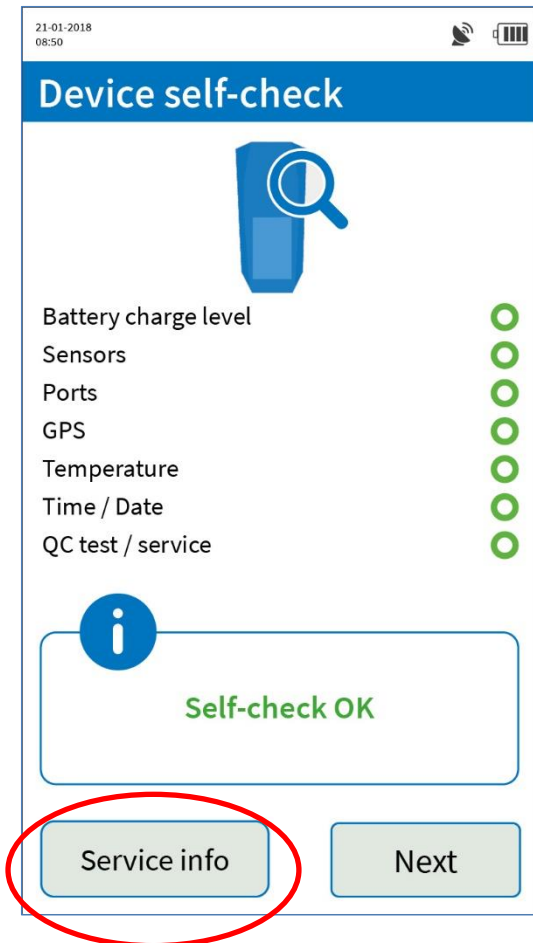
No QC tests or service due



- **Notification** (yellow) means that **measurements** are still possible.
- **Error** (red) means that **action is required** and the device is **not ready for measurement**.

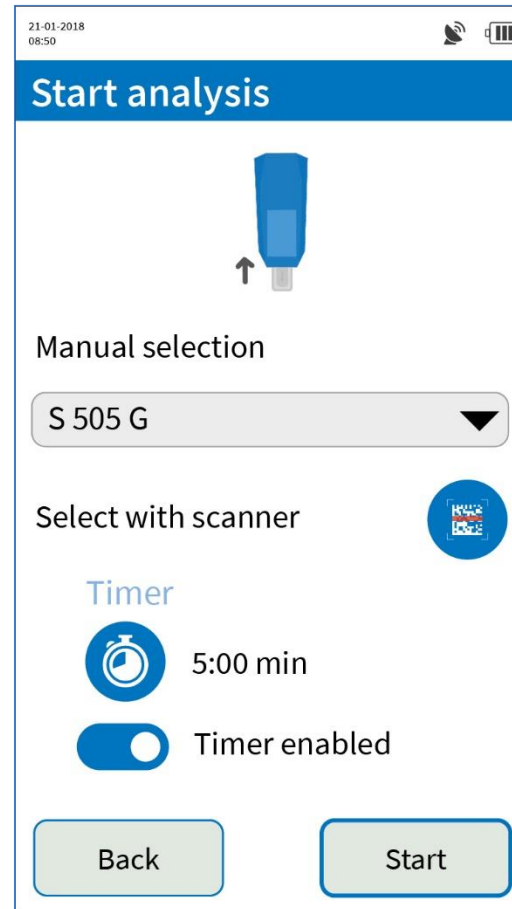
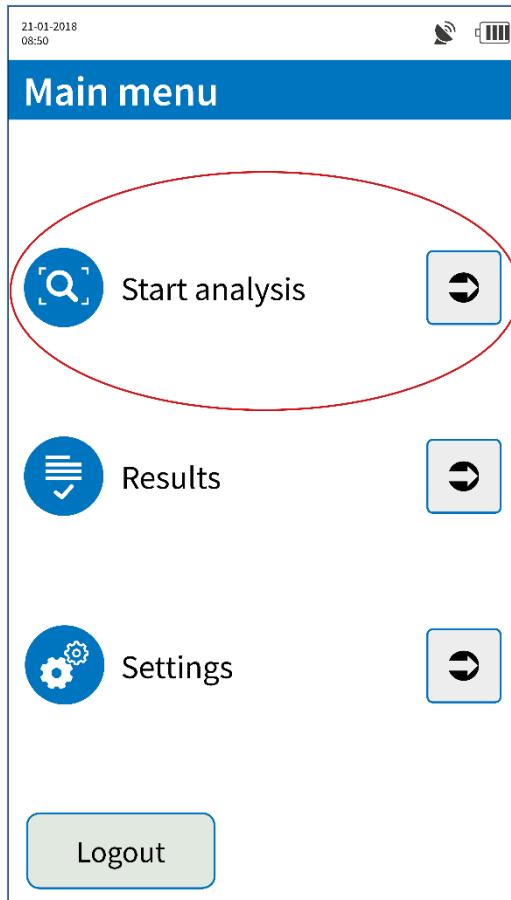


- You can check the date of the most recent **QC test** and most recent **maintenance** under **Service Info**.
- If a QC test or maintenance is **due**, the appropriate notification is highlighted in red.
- The **firmware version** is specified below this.



- When **using the device for the first time**, the intervals are inactive and need to be **activated once**.
- The user is prompted to do this **automatically** after the device has been **switched on for the first time**.

# How to prepare for a measurement

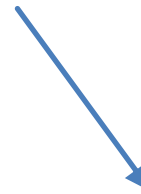
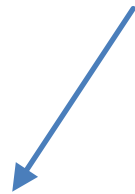


- The **DrugWipe** type can be **selected manually** or by **scanning** the barcode on the tubular bag.

## 2 readout methods after sample collection



**Sample collection**  
according to DrugWipe  
instructions for use



The test is **initiated in WipeAlyser** and automatically read after a preset time.

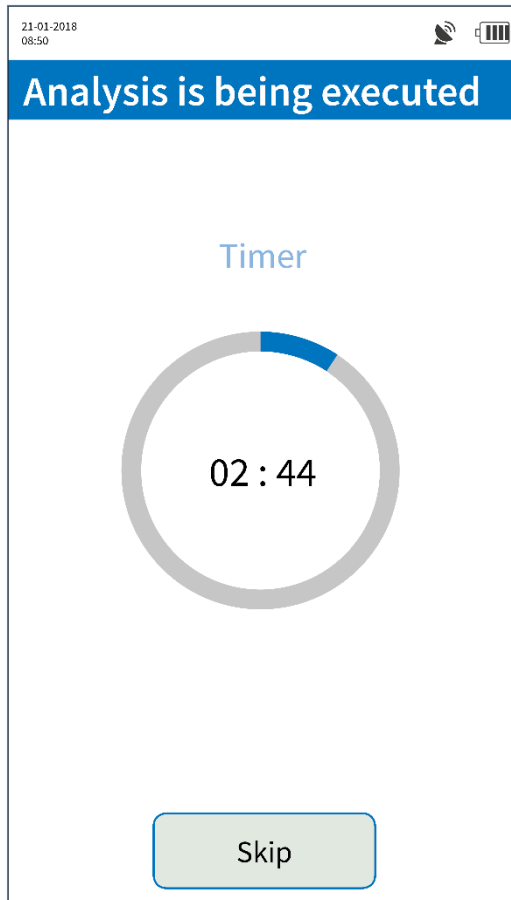
The test is **initiated outside WipeAlyser**, the time is taken **manually** and then **read** in WipeAlyser.


 **Timer enabled**

 **Timer disabled**

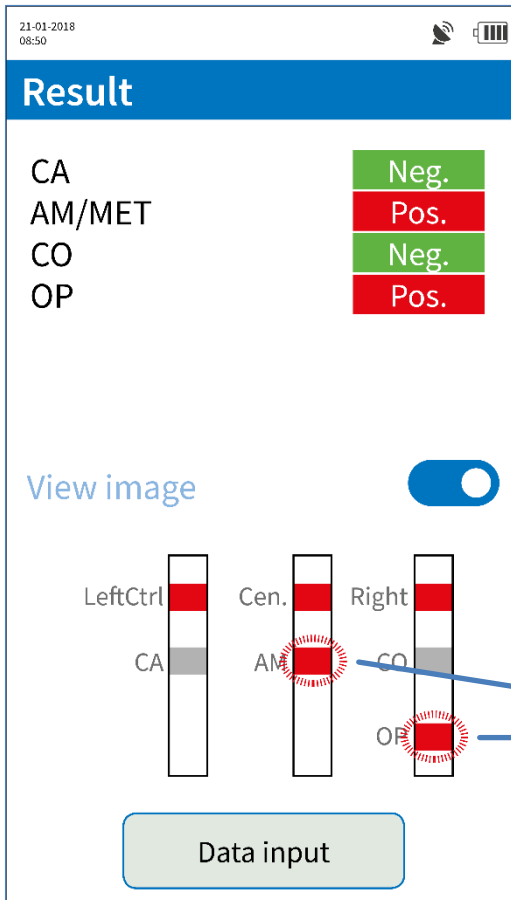


# How to perform the analysis



- While the test develops, place the device on a **level surface** or hold it **horizontally** and **do not tilt**.
- Prolonged or excessive tilting (>30°) will **abort** the measurement.
- If the device detects a **tilt**, the user is **alerted** by the **water level symbol** (and possibly an acoustic signal): 
- **Do not move** or **withdraw** the **DrugWipe** during the measurement.
- Make sure that the DrugWipe is inserted **all the way** (otherwise, level sensor will prevent measurement).

# Result display



21-01-2018  
08:50

## Result

CA	Neg.
AM/MET	Pos.
CO	Neg.
OP	Pos.

View image

LeftCtrl    Cen.    Right

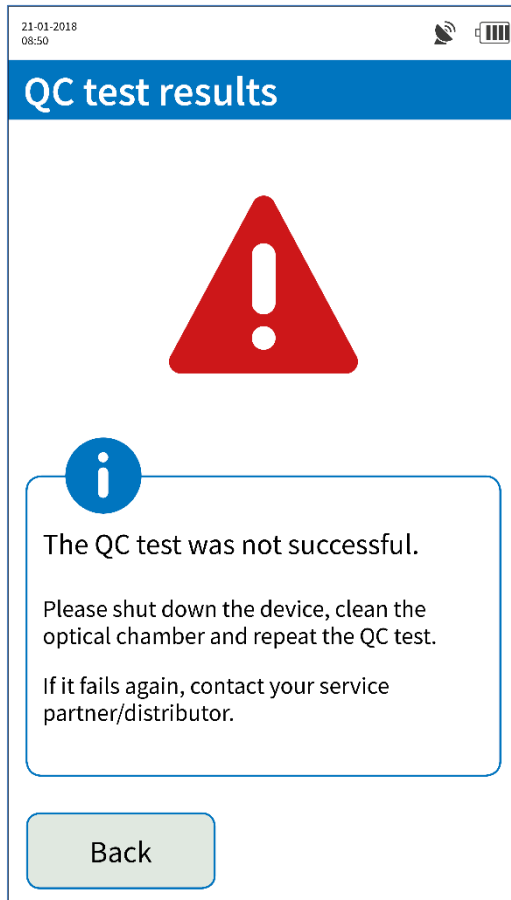
CA    AM    CO

OP

Data input

- The test result on the left is **positive** for amphetamines/methamphetamine and opiates and **negative** for cannabis and cocaine.
- The **View image** button lets you enable a **schematic** view of the lines on the DrugWipe.


Red (positive)  
test lines will flash



- If the **result is invalid**, the measurement must be repeated.  
One reason for invalid results could be excessive **tilting** of the device during the measurement.

21-01-2018  
08:50

## Data entry 1/2

File number 

Mr  Mrs

Title  ▼

First name


Last name


Date of birth  ▼  ▼  ▼

Back Next

21-01-2018  
08:50

## Data entry 2/2

Identity card no. 


Driver's license ID 

Tested by

Location

Comment

Back Next

- The **administrator** configures the fields as **mandatory** or **optional**.
- You use the scanner icon  to activate the integrated scanner and enter a barcode.

# Data Input – Summary

21-01-2018 08:50

## Summary


ID:	4217003137
Test type:	DrugWipe 5S
Date:	2018-06-13
Time:	10:11
Temperature:	27°C
GPS:	Invalid
File number:	CGU
First name:	JOHN


Test subject's signature

Back Save

21-01-2018 08:50

## Summary



 The record has been successfully stored

Back Print

- A **summary** appears after data input.
- The **test subject** can **sign** using the finger or stylus.
- After **storing** the record, it can be output using the built-in **printer**.
- The electronic **signature** is only stored in the **device**.

```
Securetec AG
WipeAlyser
Analysis report
  Saved results

General instructions:
Date printed:      26-11-2018
Time printed:     11:26:06
am
Device serial number: 1454958
3118 005
Firmware ver.:    U3.1.014
Self-check:       OK
Investigator:     ADMIN

Test subject's personal
details:
Salutation:       Mr-
Full name:        Bond, James
Date of birth:    05-10-1962
Identity card no.: 007

Results of analysis:
Analysis ID:      3118005 197
DrugWipe type:   S5056
Version:         2018_09_25
Date of analysis: 26-11-2018
Time of analysis: 11:14:06 am

CA      Neg.
AM/MET  Neg.
CO      Pos.
OP      Neg.

Temp.:          14°C
Positioning:    OK
Comment:        License to Kill

Test subject's signature:

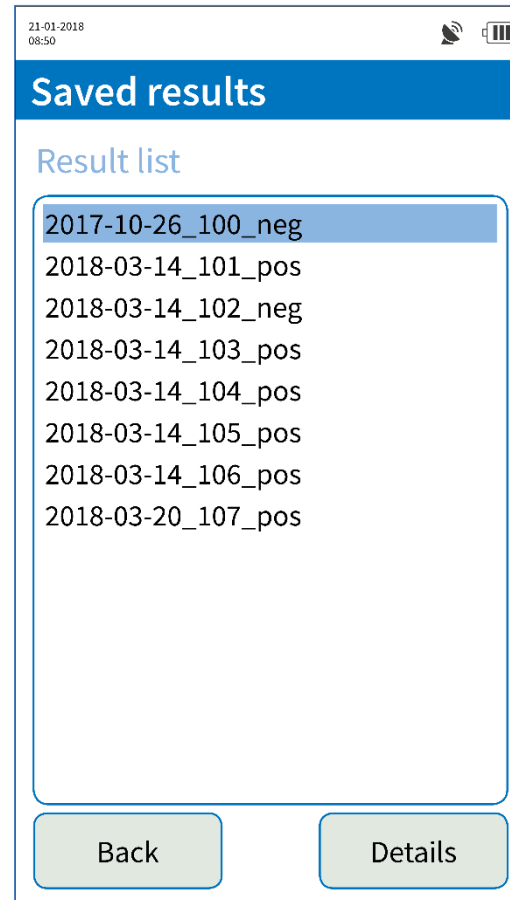
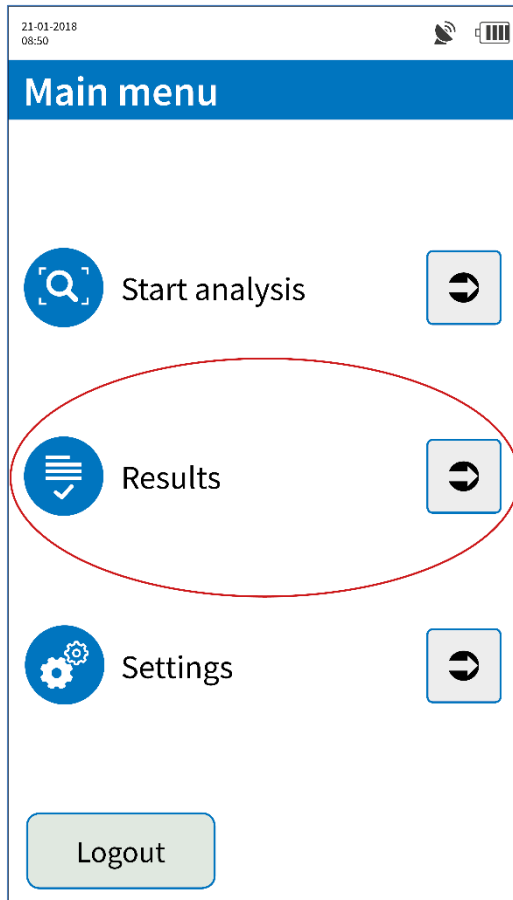
.....

Investigator's signature:



.....
```

- The **printout** contains all the **data fields** that were filled out (except for the test subject's signature).
- It also shows all the **device** and **test data**.

# How to view stored results



- Select **Results** from the main menu to view **stored** records.

21-01-2018 08:50  

**018-06-11\_136\_pos**

Details





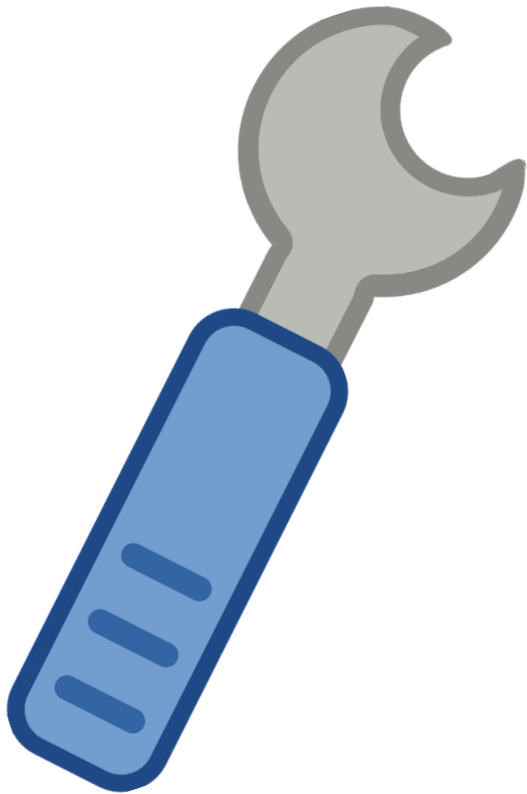
ID:	4217003136	
Test type:	DrugWipe 5S	
Date:	2018-06-11	
Time:	13:30	
Temperature:	25°C	
GPS:	Invalid	
File number:	XY	
Mr/Mrs	Mr	
First name:	JOHN	
Name:	DOE	

Image display 

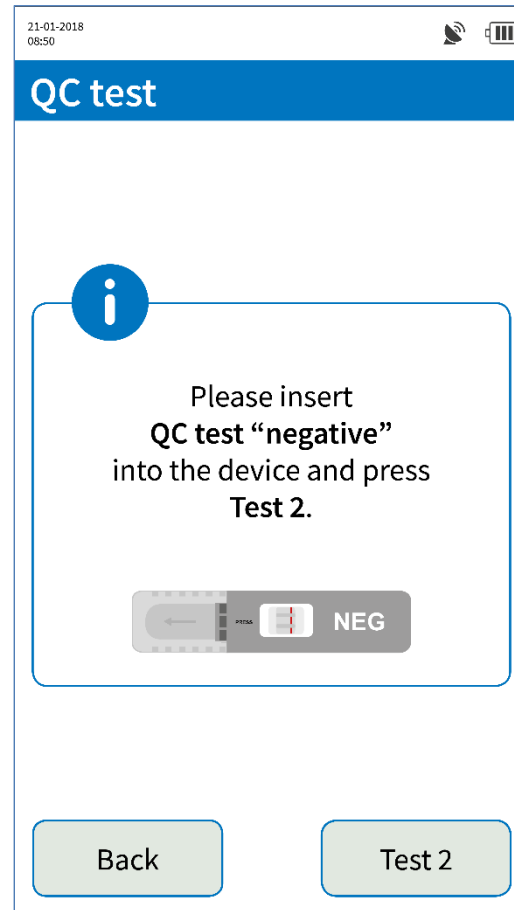
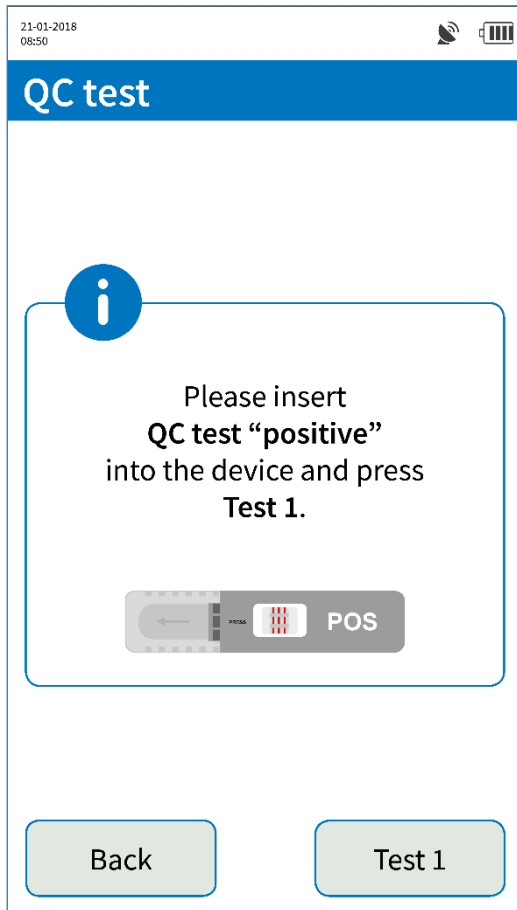
Edit 

- **Details** lets you view all the **stored data**.
- **Display image** lets you view a **screenshot** of the **DrugWipe read out window** and the electronic **signature**.
- **Edit** lets you retroactively **modify** the entries in the record.  
(Note: The Edit function may require administrator rights.)
- The **result itself** is **not** editable.

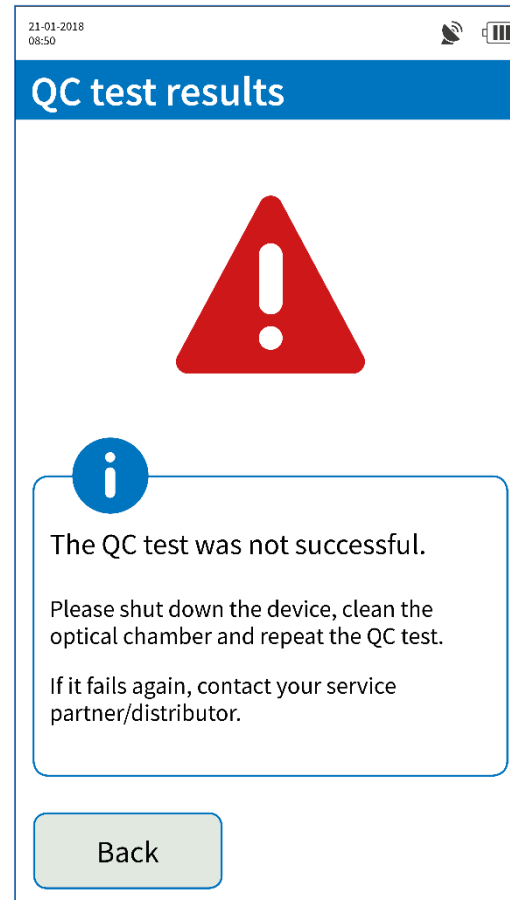
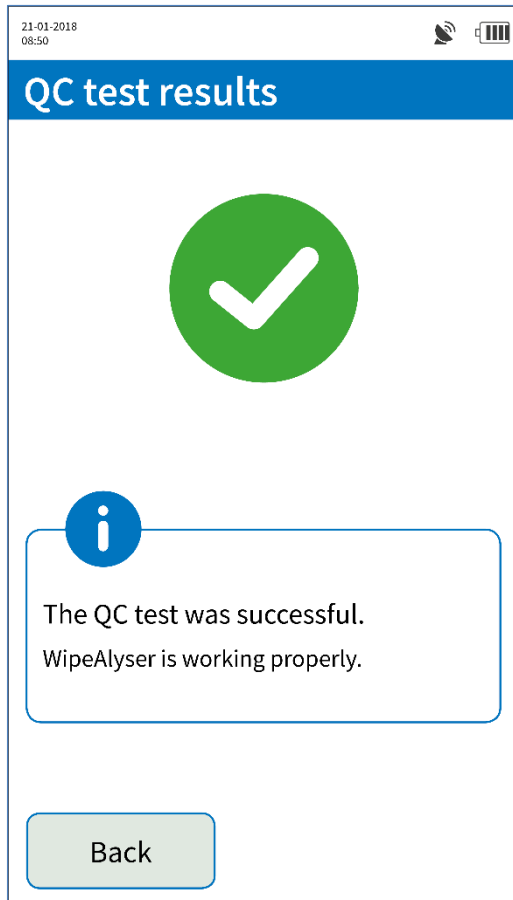




- WipeAlyser must be **serviced** and possibly **calibrated** every **two years**.
- If the device is due for service, a **warning** appears during start-up.
- Servicing and calibration tasks are performed by the **manufacturer**.
- Please **contact** your **service partner**.



- The **QC test interval** is configured by the **administrator**.
- Insert the QC test cartridges one by one and **confirm** by selecting **Test 1** or **Test 2**.
- In case of **abnormalities** or **implausible** measurement results, we recommend running an **unscheduled** QC test.



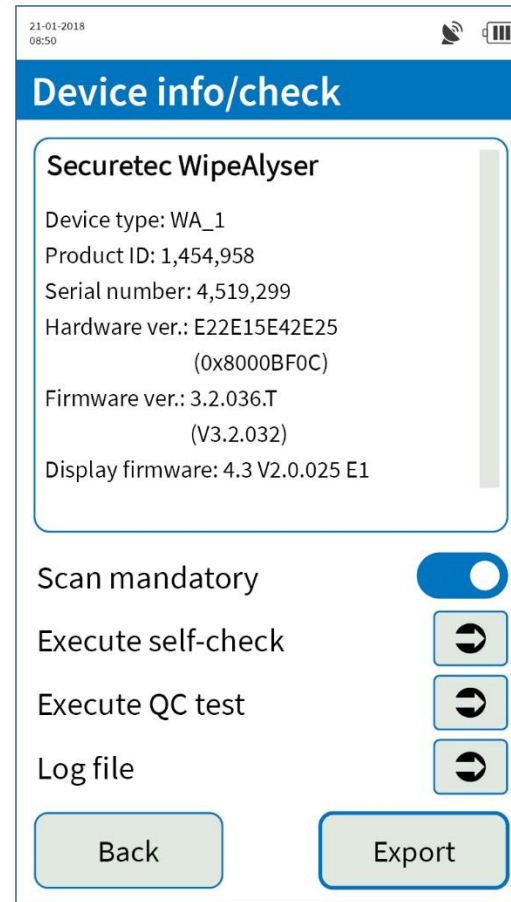
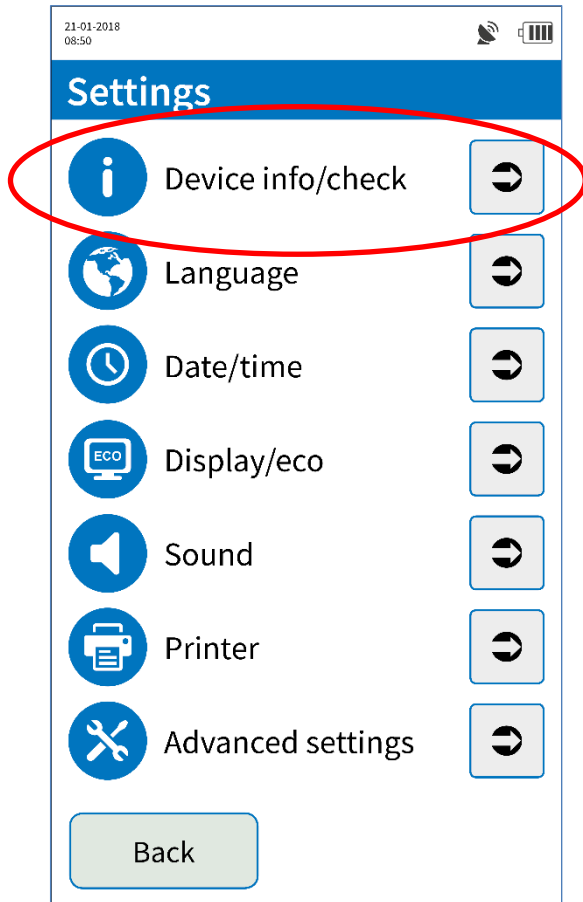
- If the QC test is a **pass**, the test interval is automatically **reset**.
- In case of an **error message**, the QC test must be **repeated**.
- If the test is another fail, please contact your **service partner**.



# WipeAlyser Training

## Part 3: Settings

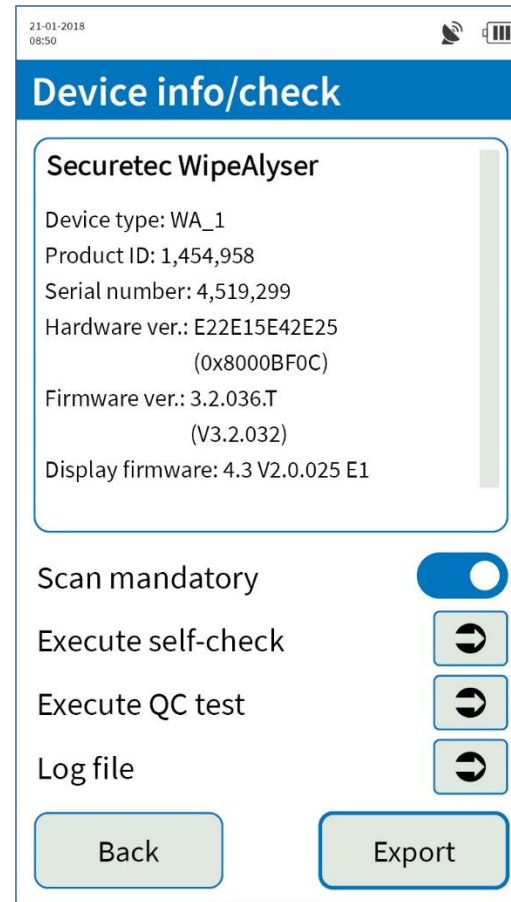
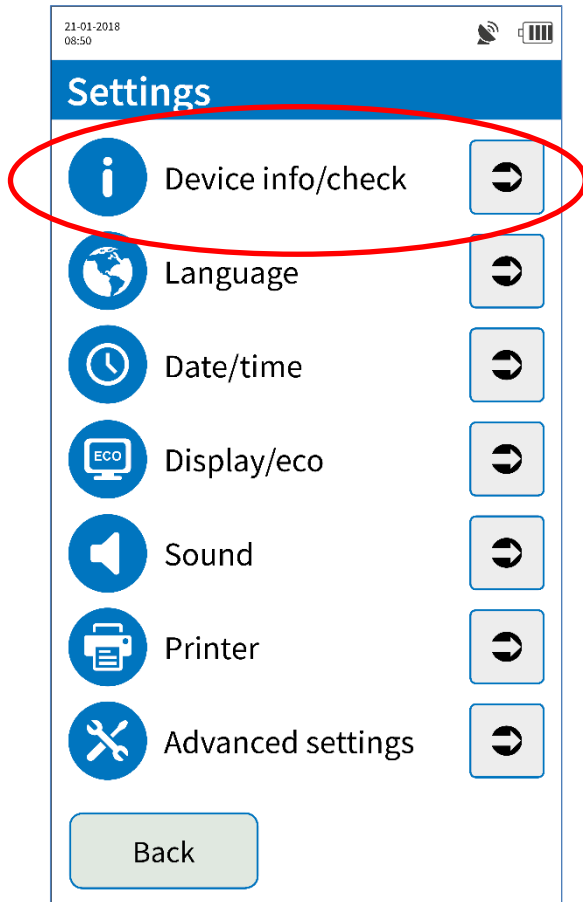
# Device info/check



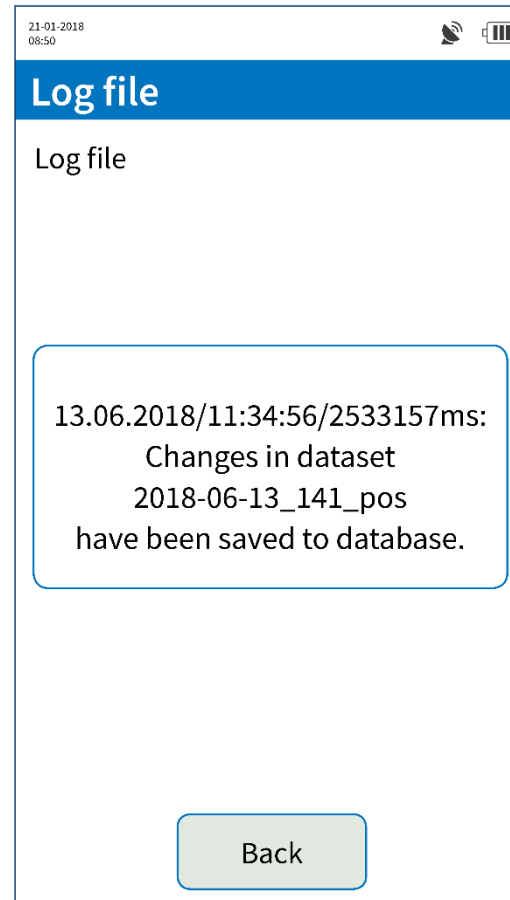
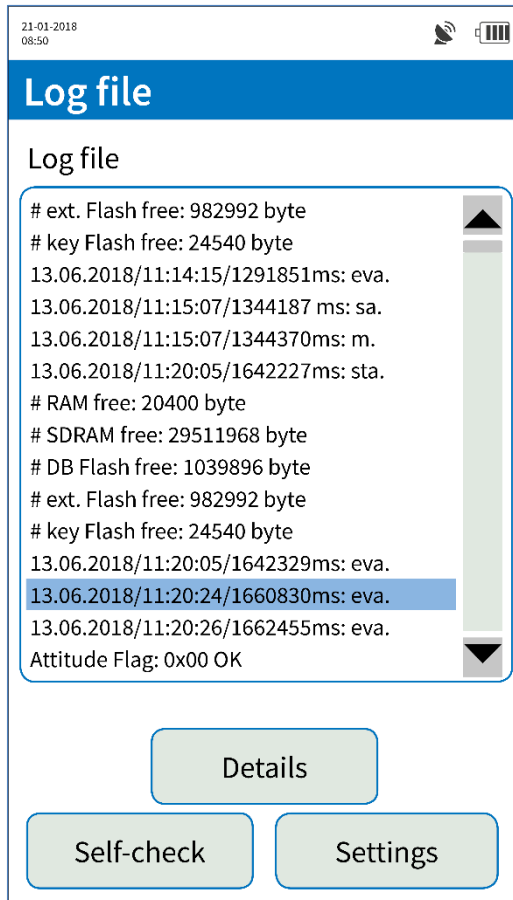
- **Device info/check** lets you view **device information**.
- If Scan mandatory is activated, the barcode on the DrugWipe tubular bag must be scanned before each test in order to verify the test type, batch and shelf life.

**Special rights  
required**

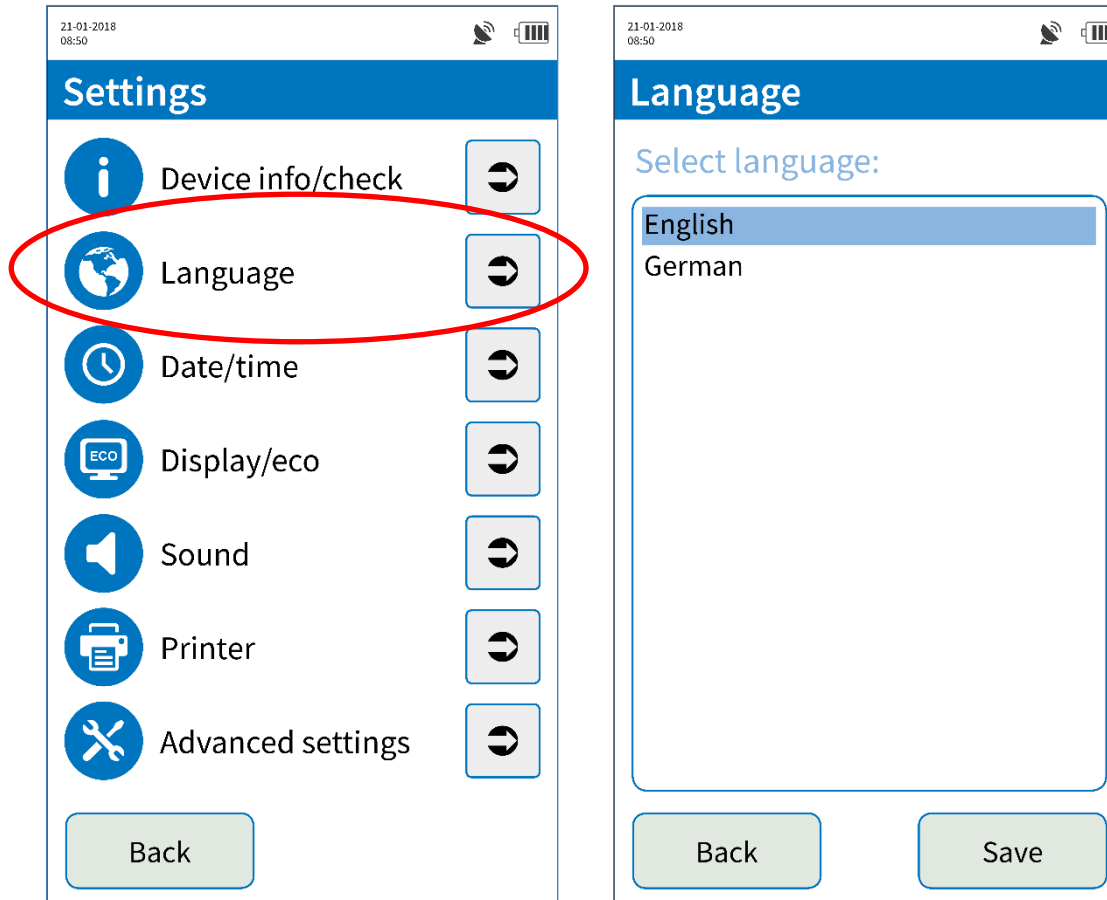
# Device info/check



- In this menu it is possible to **manually** initiate a **self-check** or **QC test**.
- **Export** lets you **print** or save the device information to an **SD card**, for example in case of a complaint.

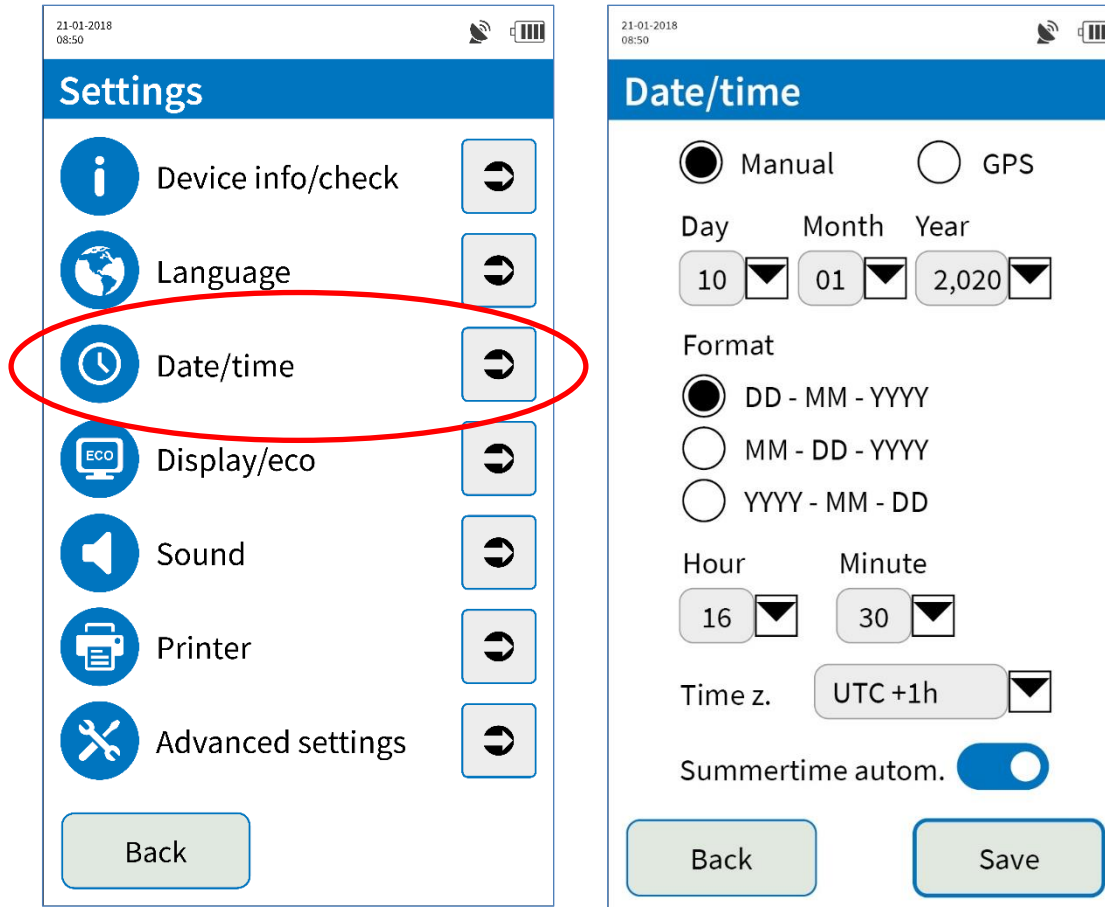


- The **log file** is a record of **all the actions** performed on the device.
- **Select** individual entries to **view their details**.

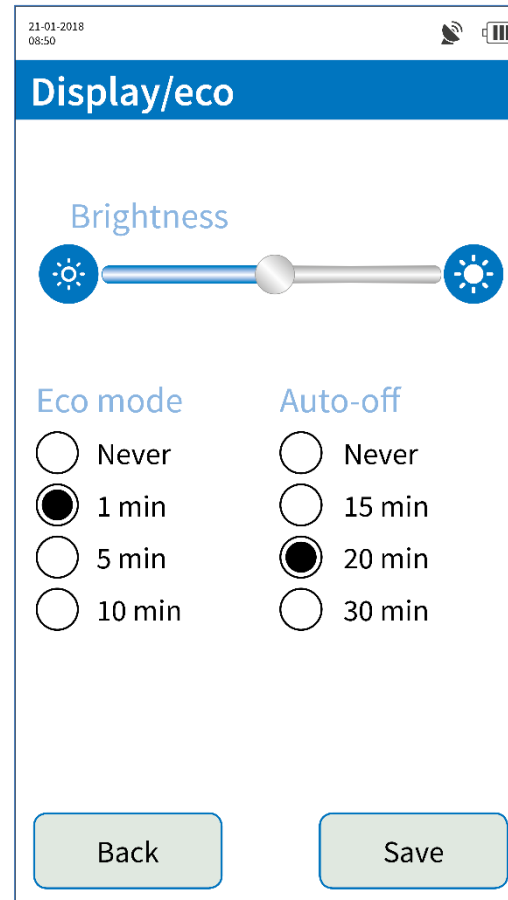
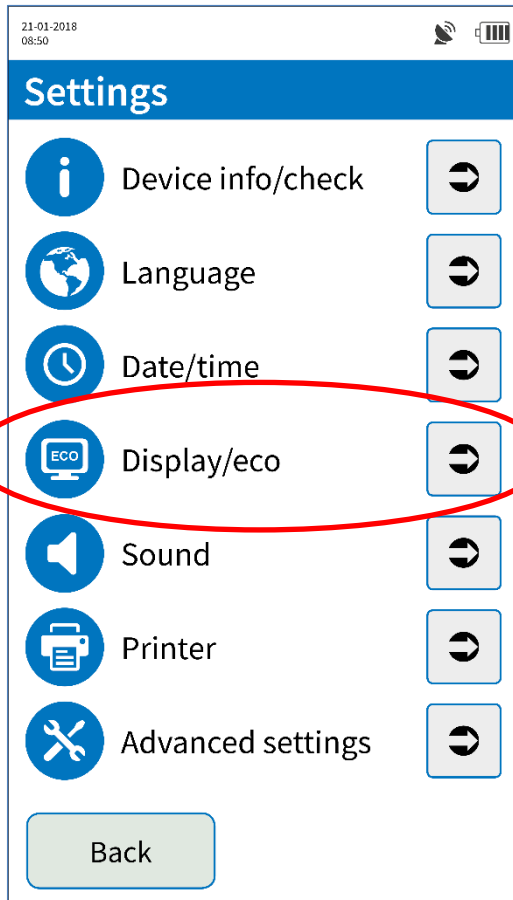


- **Language** lets you configure language settings.

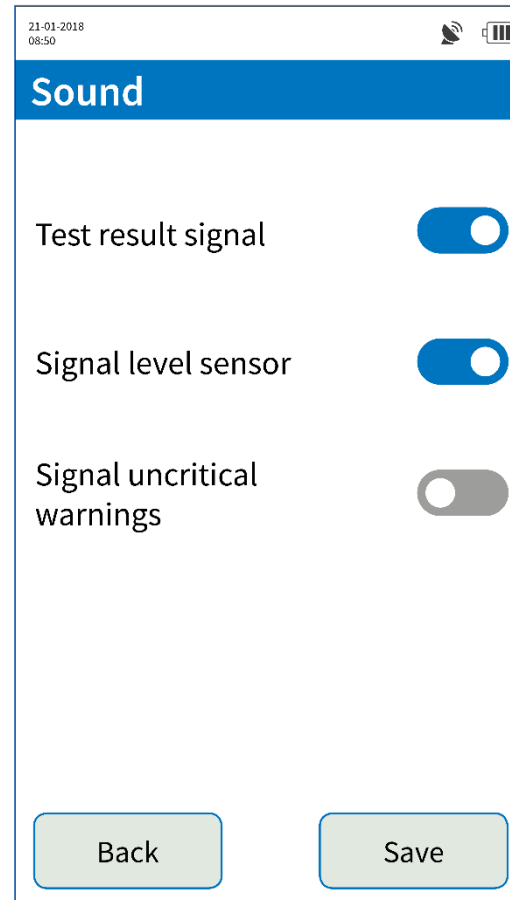
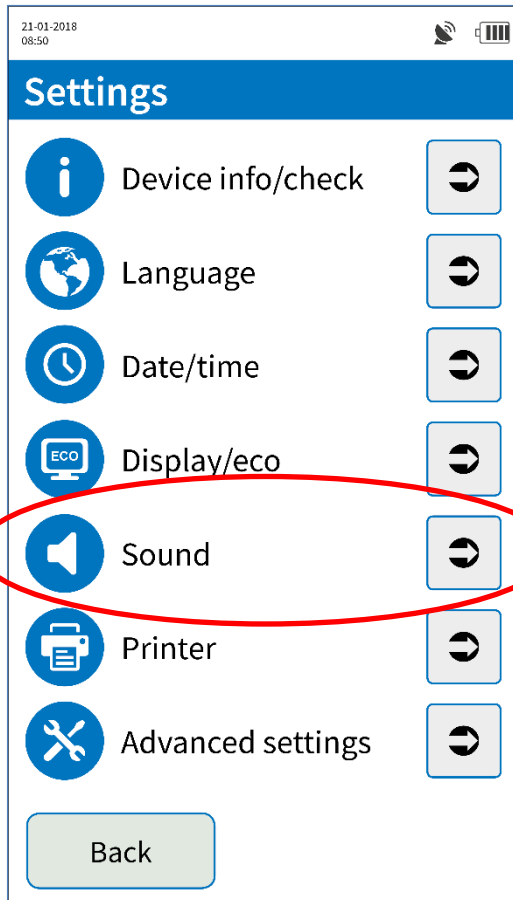




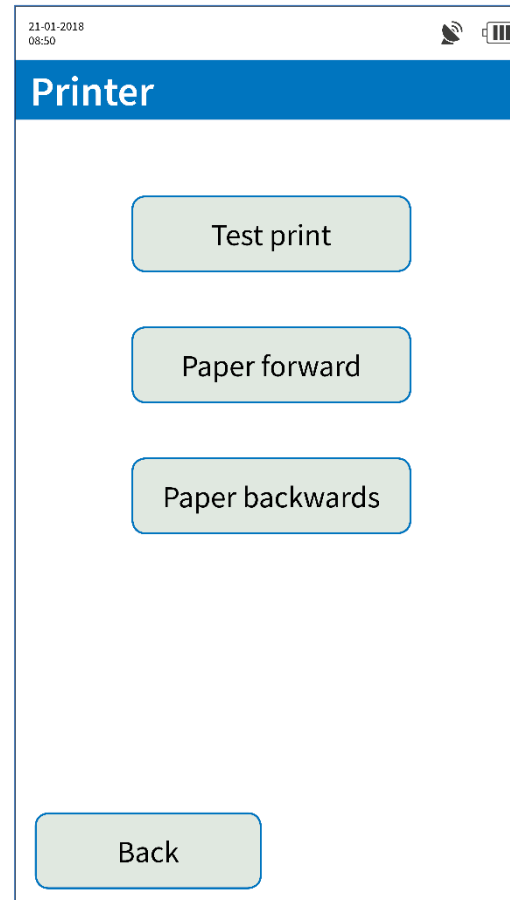
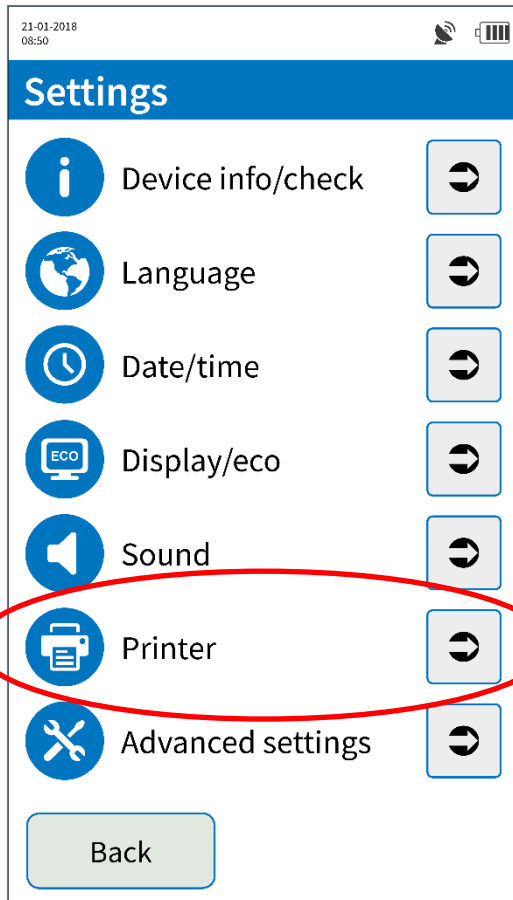
- **Date** and **time** can be set **manually** or automatically via **GPS**.
- **Without** GPS reception, the date and time can only be entered **manually**.
- **Format** lets you configure the **date format**.



- **Decreasing the display brightness will save power.**
- In **Eco mode**, the display will be **dimmed** while the device remains **powered on** (blue LED).
- WipeAlyser will automatically **power off** after the time defined under **Auto-off** has elapsed.



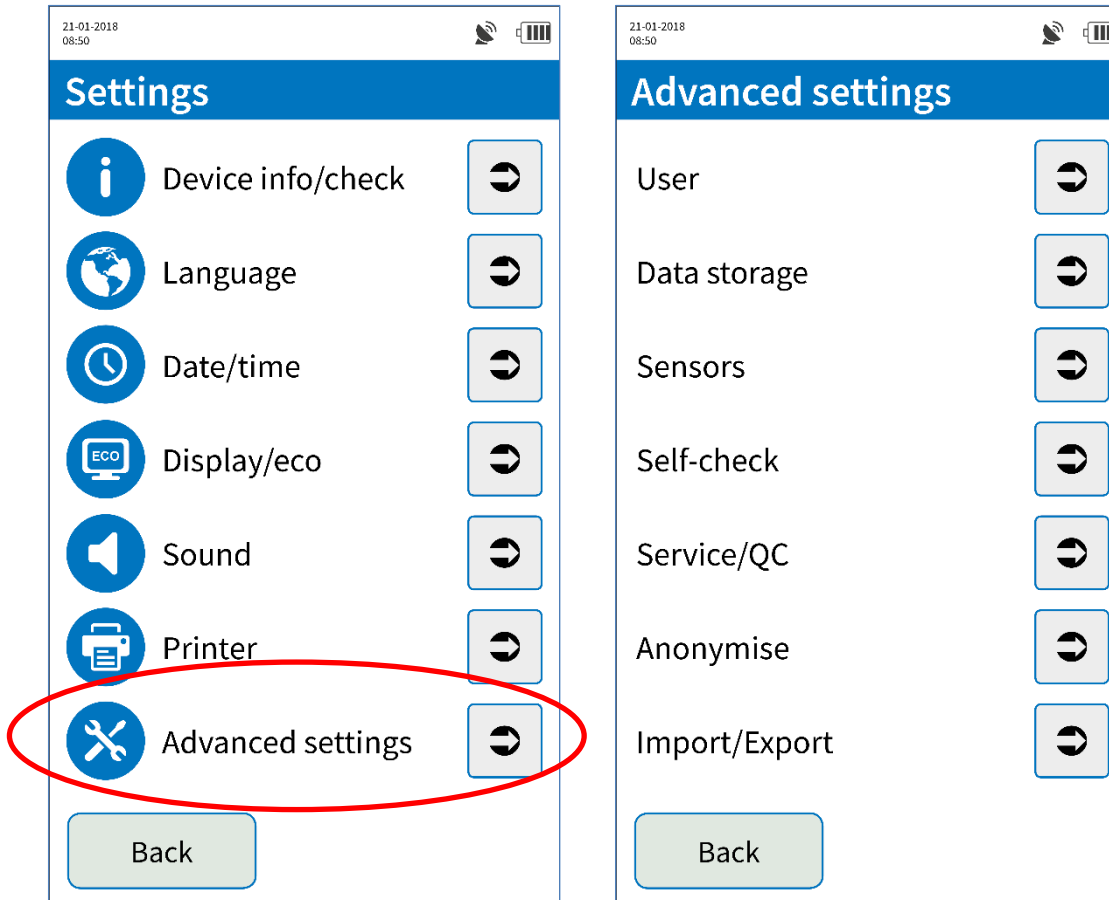
- **Test result signal** will indicate **completion** of the measurement by an **acoustic signal**.
- **Signal level sensor** will **warn** the user in case of excessive **tilting** of the device.
- **Uncritical warnings** can be indicated by an **acoustic** signal if desired.



- The **Printer** menu lets you generate a **test print**.
- The **Paper forward** and **Paper backwards** buttons lets you advance or retract the printer paper.
- **Paper feed is automatic** when installing a new roll.

# Advanced settings

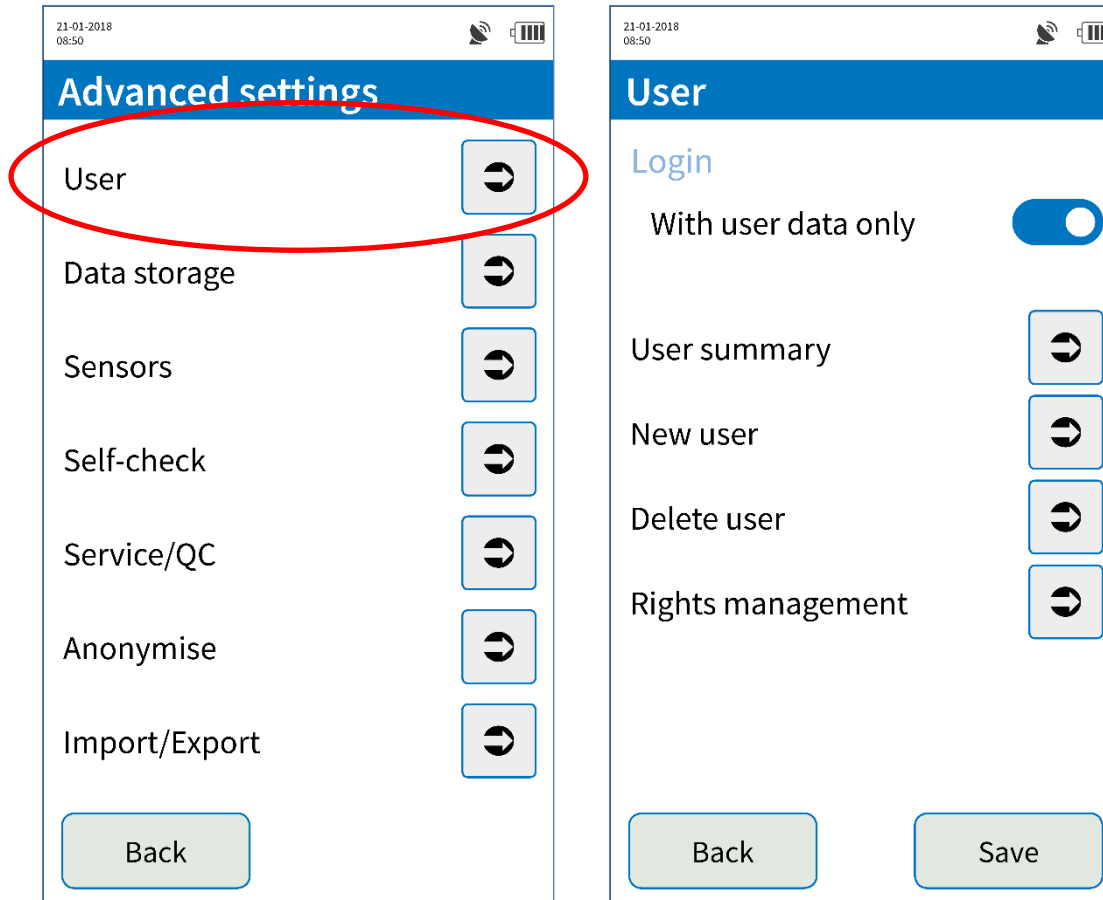
Special rights  
required



- By default, **advanced settings** are restricted to **administrators** and **super users**.
- Administrators can grant **other users individual rights** and create new users.

# User management

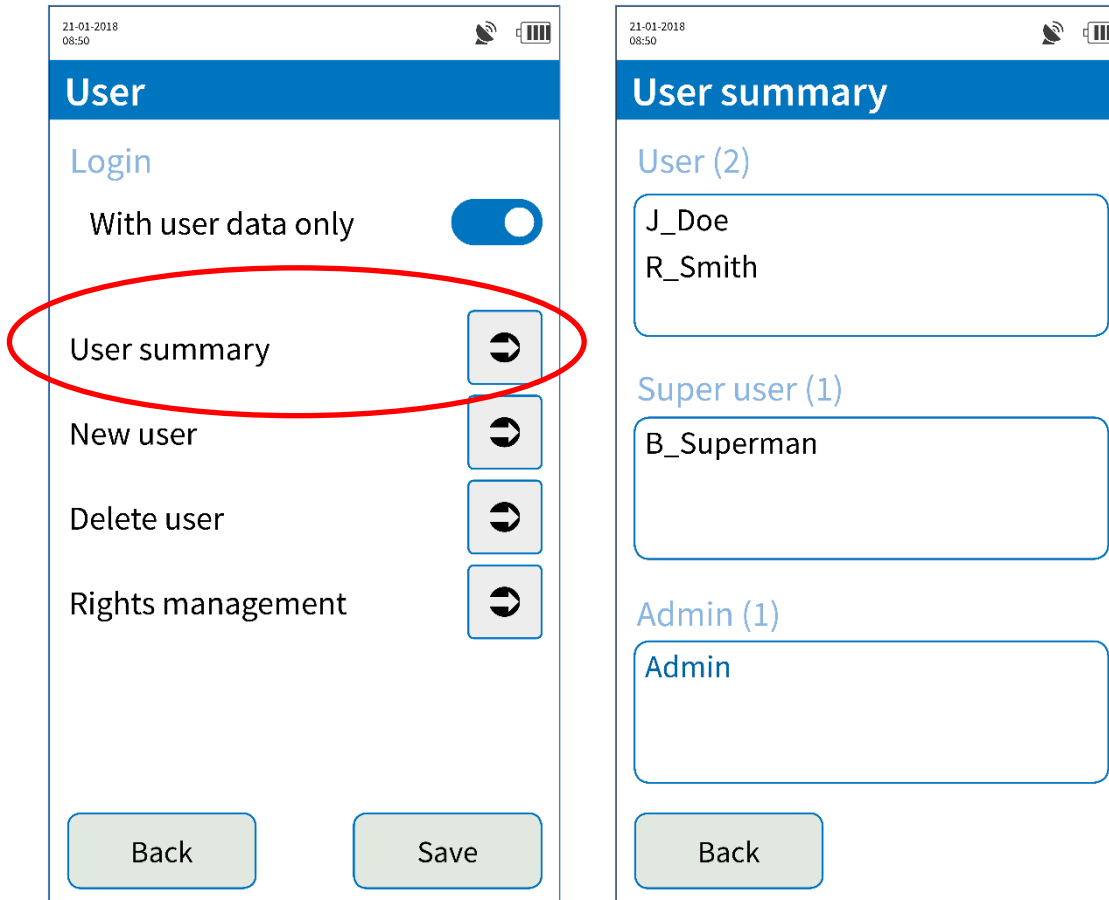
Special rights  
required



- Login – **With user data only** lets you **disable the default user**.
- In this case, access to the device requires the **unique user ID**.

# User management

Special rights  
required



- **User summary** lets you view the currently **stored users**.
- The **administrator** can define two user levels: **User** and **Super user**.

# User management

Special rights  
required

**SECURETEC**  
DETEKTIONS-SYSTEME AG

21-01-2018  
08:50

## User

Login

With user data only

User summary

**New user**

Delete user

Rights management

Back Save

21-01-2018  
08:50

## Create new user

New user data

User name

Password

Repeat password

Rights

User

Super user

Admin

Back Save

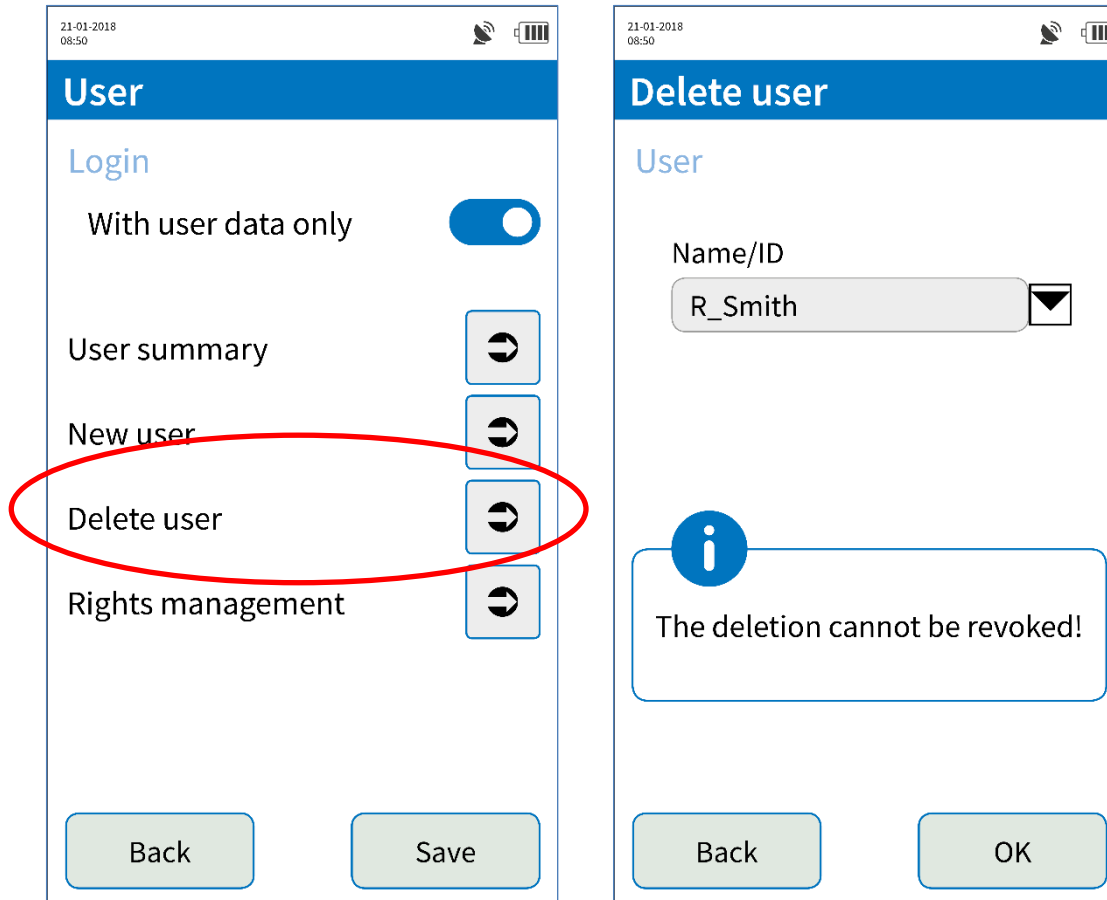
- **New user** lets you create a new user profile.
- The password to be assigned must be entered **twice** and can be **displayed** if necessary.
- **Rights management** lets you define the **user group**.

we detect to protect



# User management

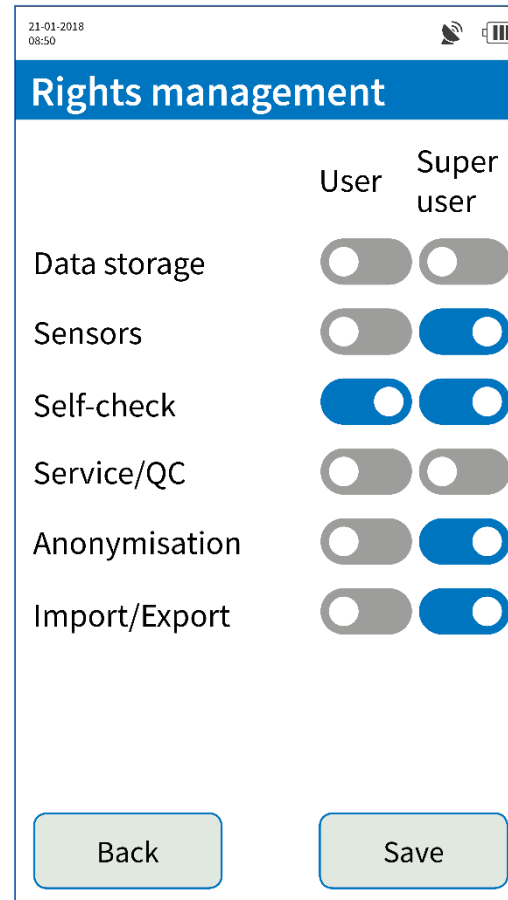
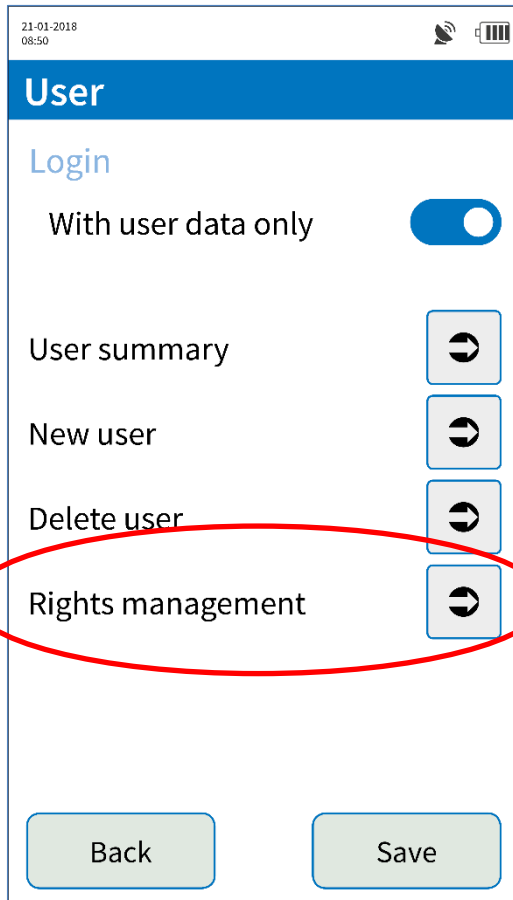
Special rights  
required



- **Deletion of a user cannot be undone.**
- The **data** entered for the deleted user are **retained**.

# User management

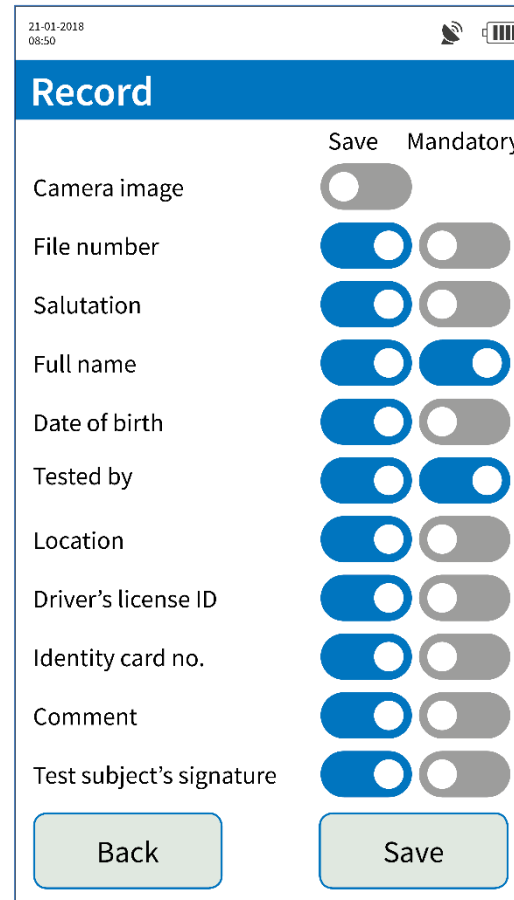
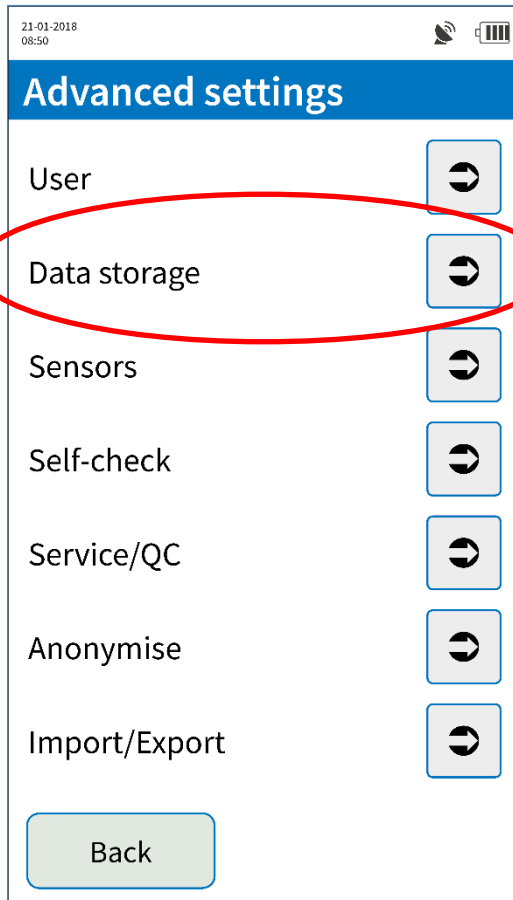
Special rights  
required



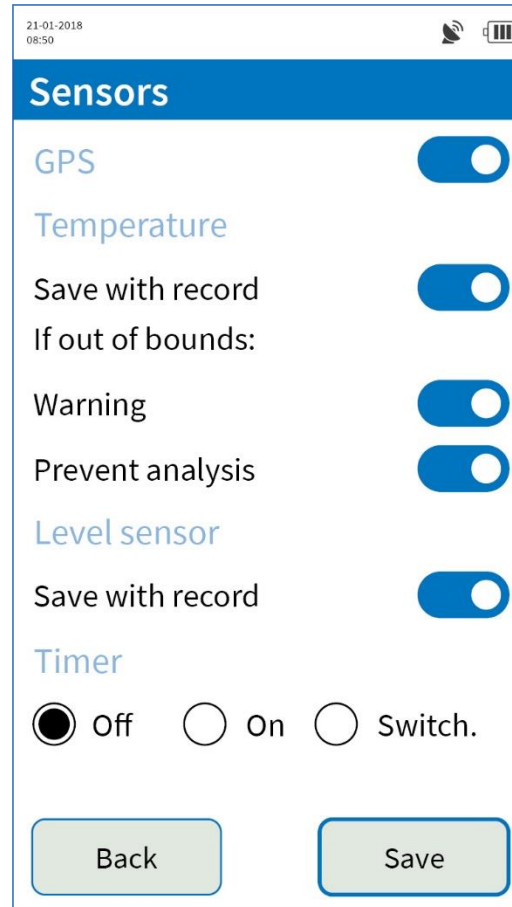
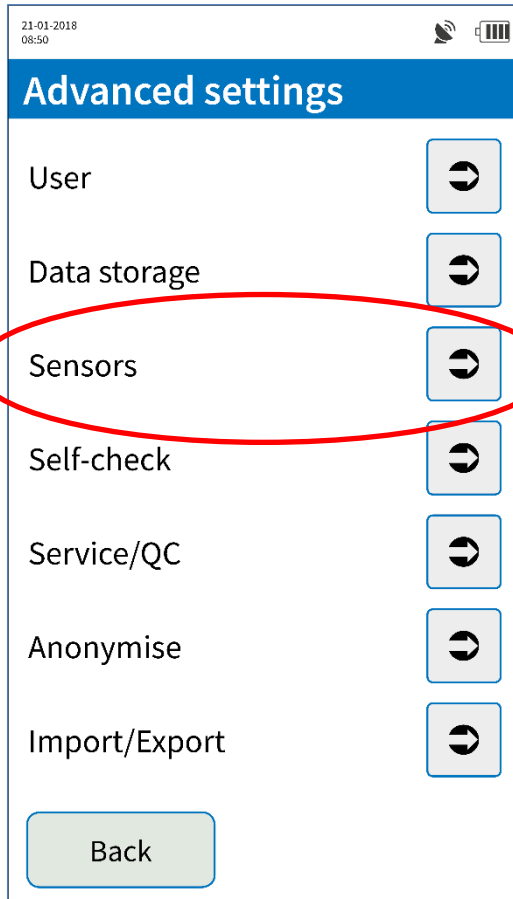
- **Rights management** lets you define the **changes** that can be made to **users** and **super users**.
- Generally, **administrator rights** are **never restricted**.

# Record

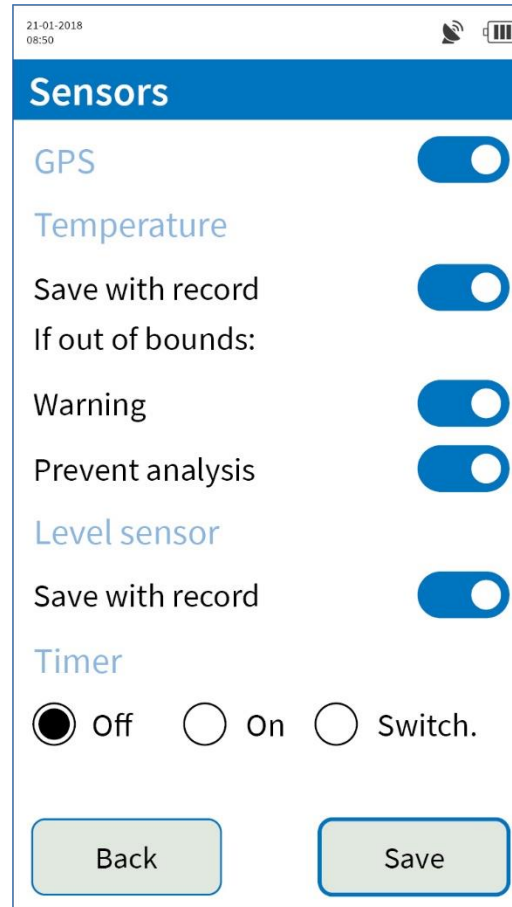
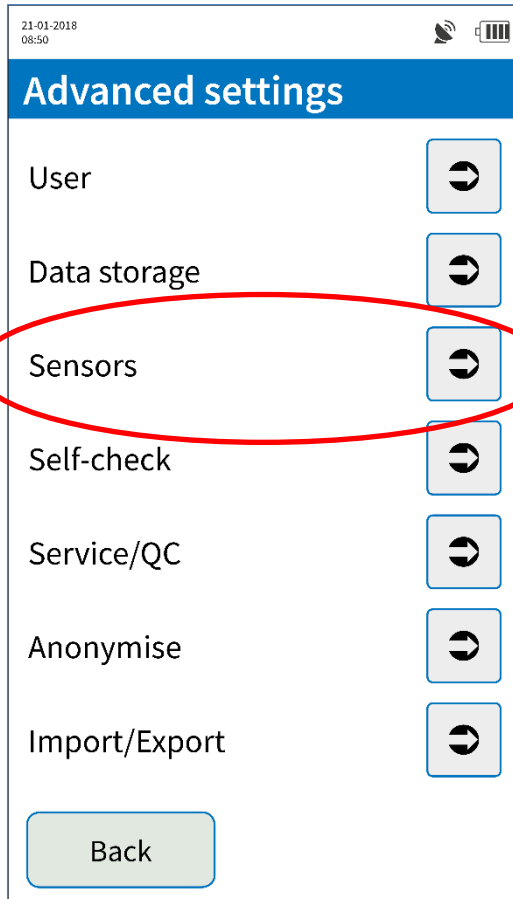
Special rights  
required



- **Record** lets you define the **data** entries that are **mandatory** or **optional**.
- **Disabled** fields are **greyed out** during input.
- Either **Name** or **Drivers license ID** or **Identity card no.** must be a **mandatory field**.



- The **GPS sensor** can be deactivated completely.
- The current **temperature** and **details** about the correct **level** can be **stored** with every **record**.
- If the temperature is **outside** the permitted range, the system can issue a **warning** or the test can be **disallowed**.

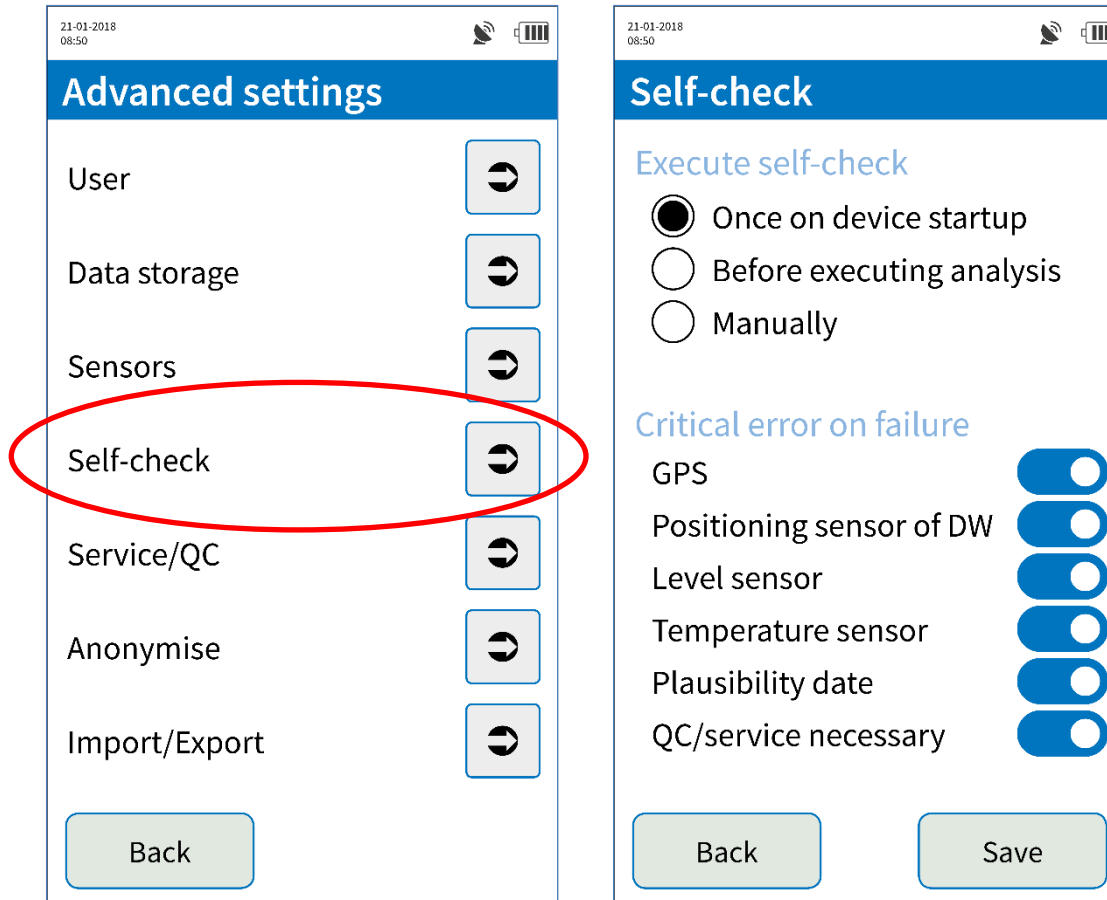


- The **timer** can be **switched on or off** as standard. It is also possible to make this setting **switchable** so that, for each test, the user can decide whether the result is to be read immediately or not until the test runtime has elapsed.

# Self-check

Special rights  
required

**SECURETEC**  
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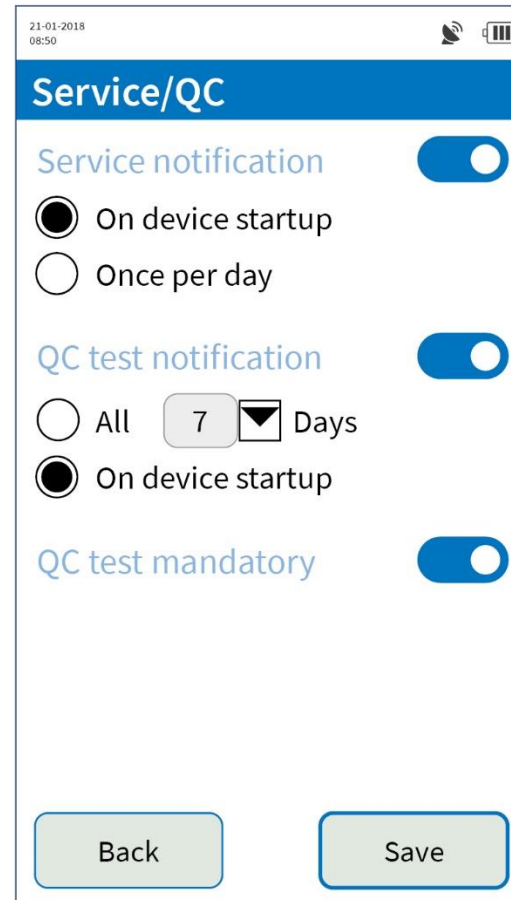
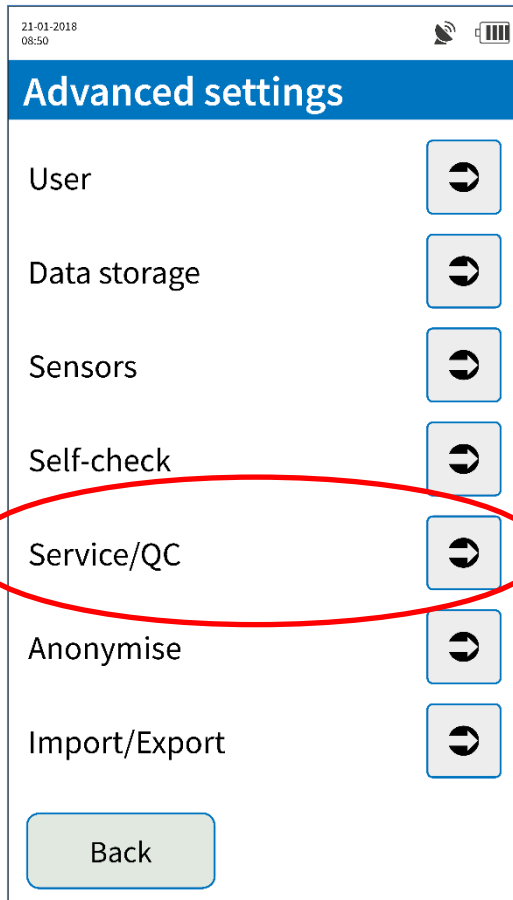


- We recommend running the self-check each time the device is **powered on**.
- **Errors** that are detected during the self-check can be defined as **critical** and **disallow** measurement.
- Device errors that **prevent** measurement are always **critical**.

# Service/QC tests

Special rights  
required

**SECURETEC**  
DETEKTIONS-SYSTEME AG

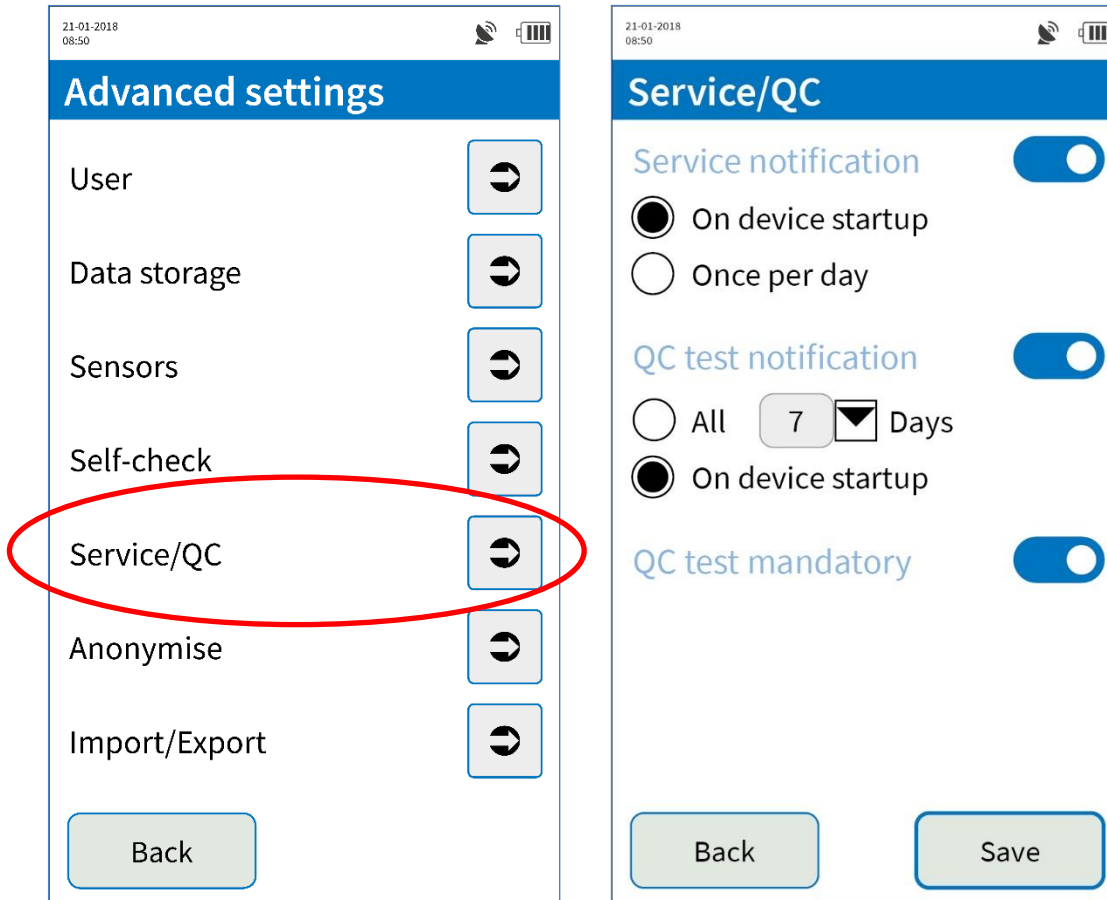


- **Notifications** that **service** or **QC test** is due can be **disabled**.
- **QC test – Interval** lets you define the intervals for required QC tests.
- The **service interval** is configured by **Securetec** when the product ships (typically **2 years**).

*we detect to protect*

# Service/QC tests

Special rights  
required

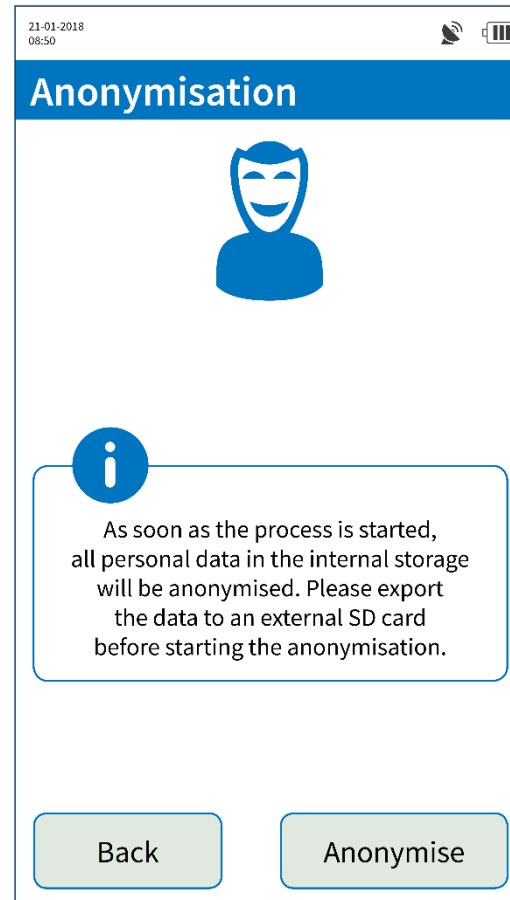
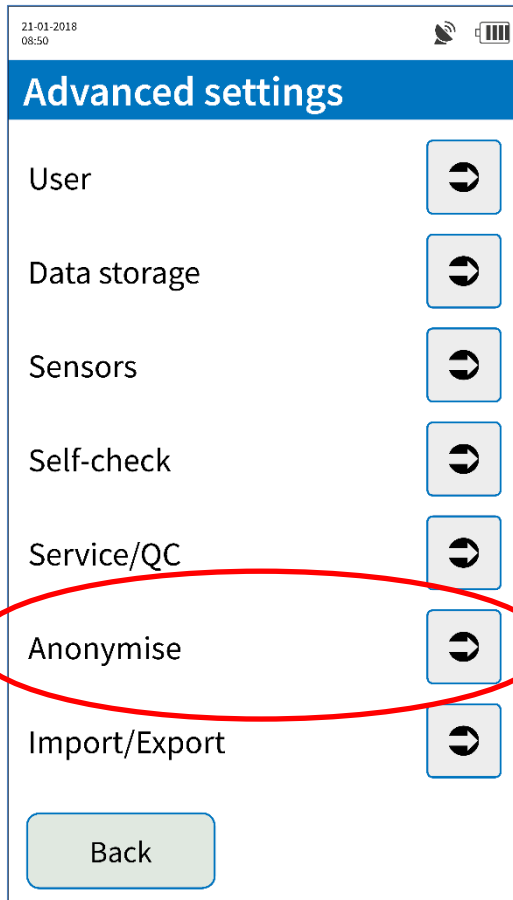


- If QC test mandatory is activated, analysis cannot be performed after a **failed** QC test until another QC test has been **successfully** completed.



# Anonymise

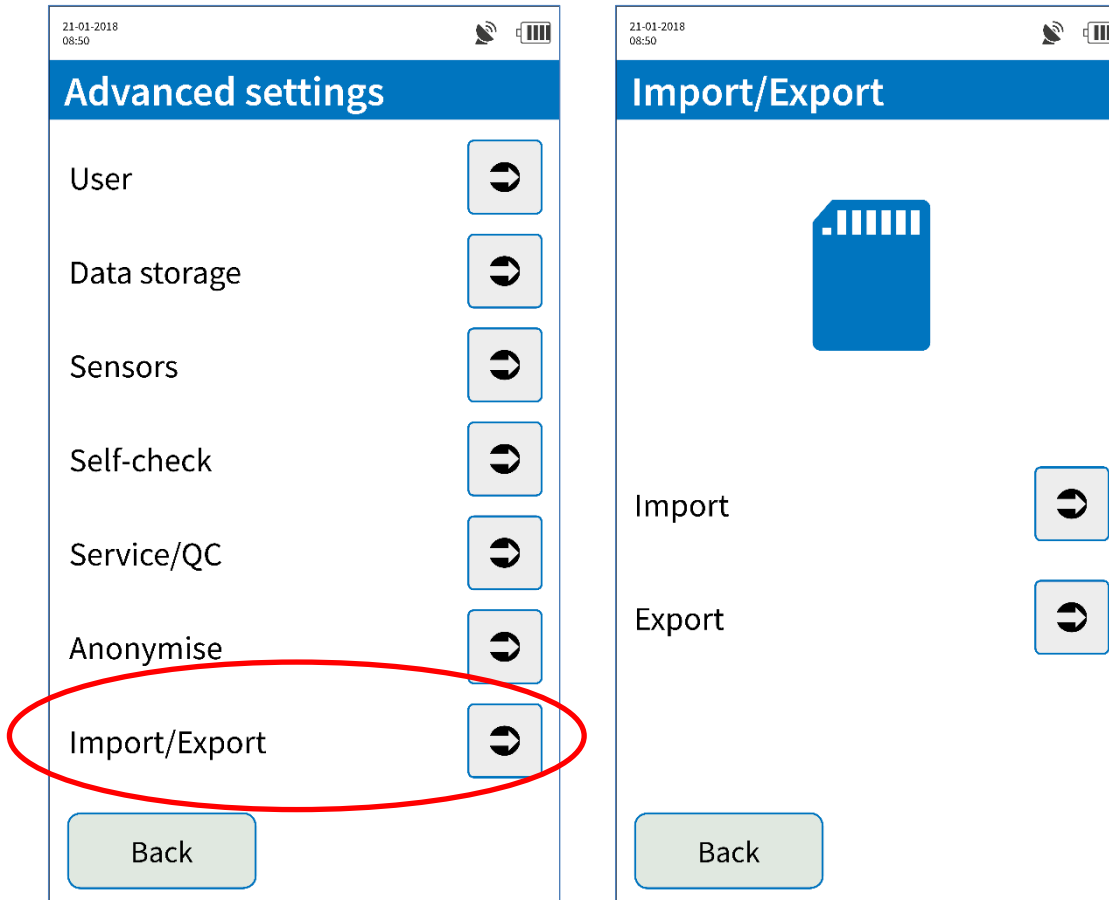
Special rights  
required



- **Anonymise will irreversibly delete all personal data** from the device's **internal** memory.
- The (anonymised) **measurement data** are **retained**.
- **Always anonymise** stored data before the device is transferred to **third parties** (privacy).

# Import/Export

Special rights  
required

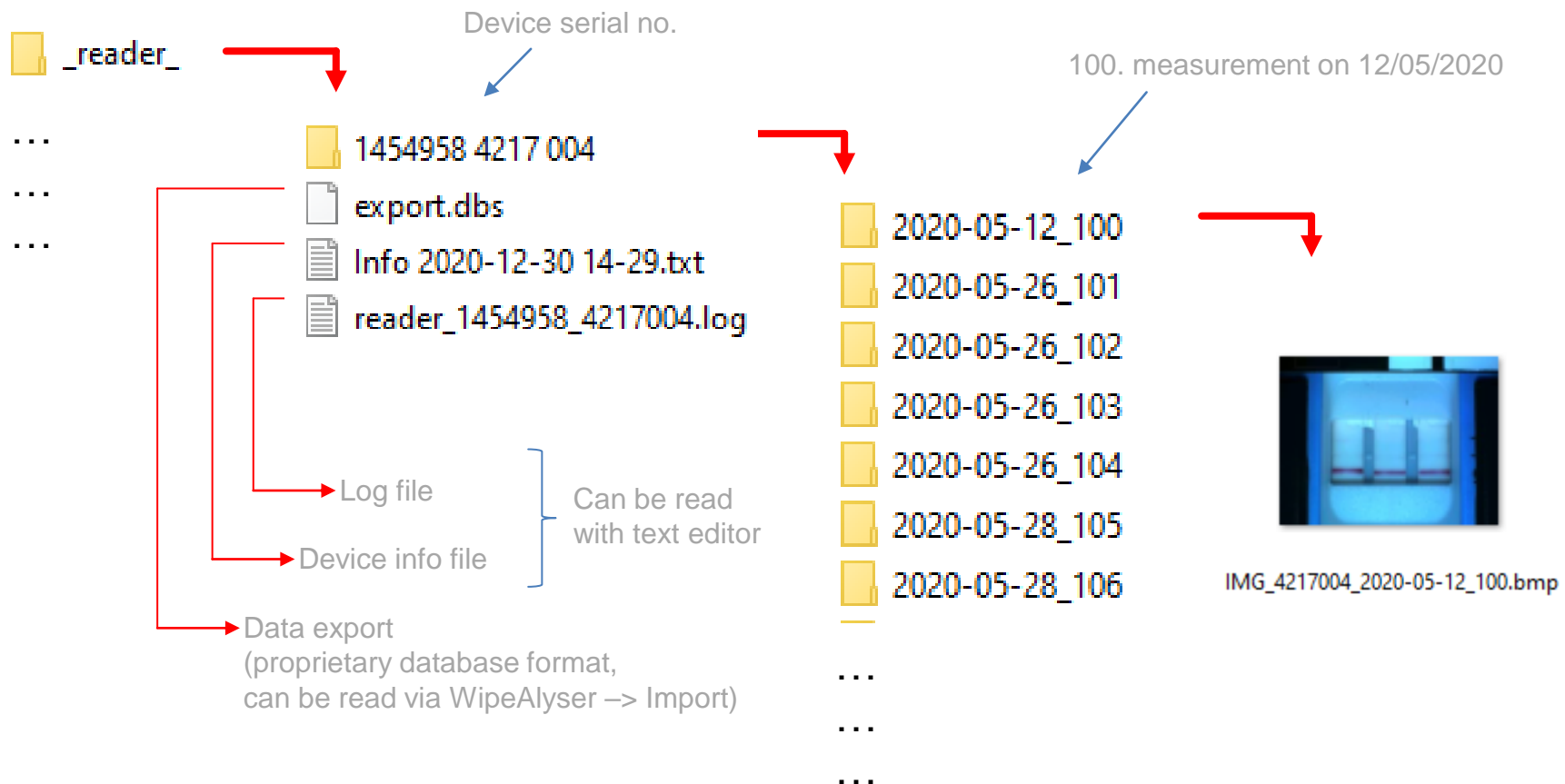


- The stored data can be **exported** to an **SD card** from which it can later be **re-imported**. This is useful for **backing up** the device.
- **Exported data** are **encrypted** and only readable by a **WipeAlyser** (but not necessarily the same device).

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# Data structure on the SD card

Any **exports** are stored on the **SD card** under:

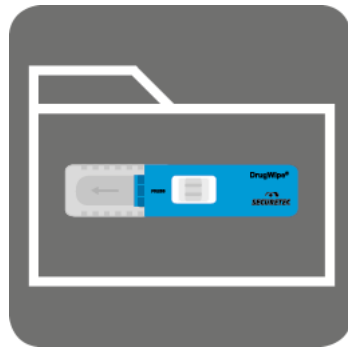




# WipeAlyser Training

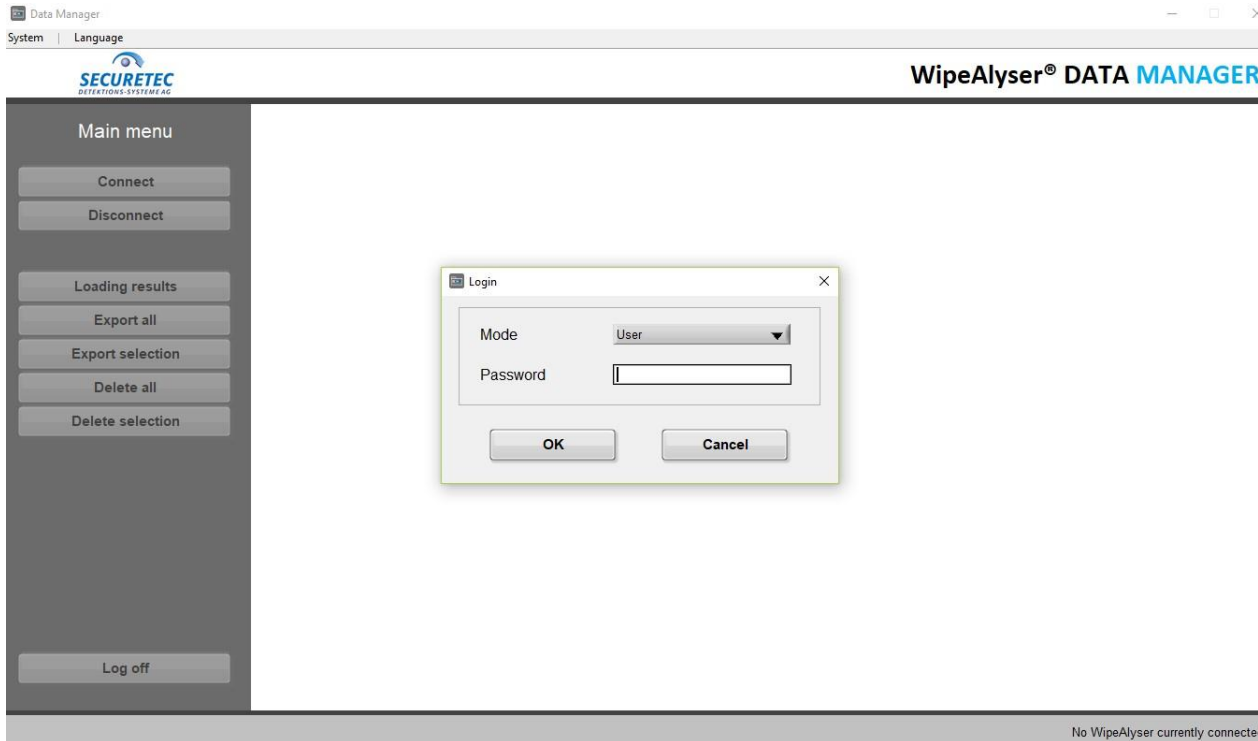
Part 4: DATA MANAGER software

# How to install the software



Desktop icon

- The **installation file** is provided on the **USB stick** included with the delivery.
- The software runs on **Windows** (version 7 or later).
- Prior to and during installation, a WipeAlyser must be **connected to the PC** and **powered on** to load the required **drivers**.



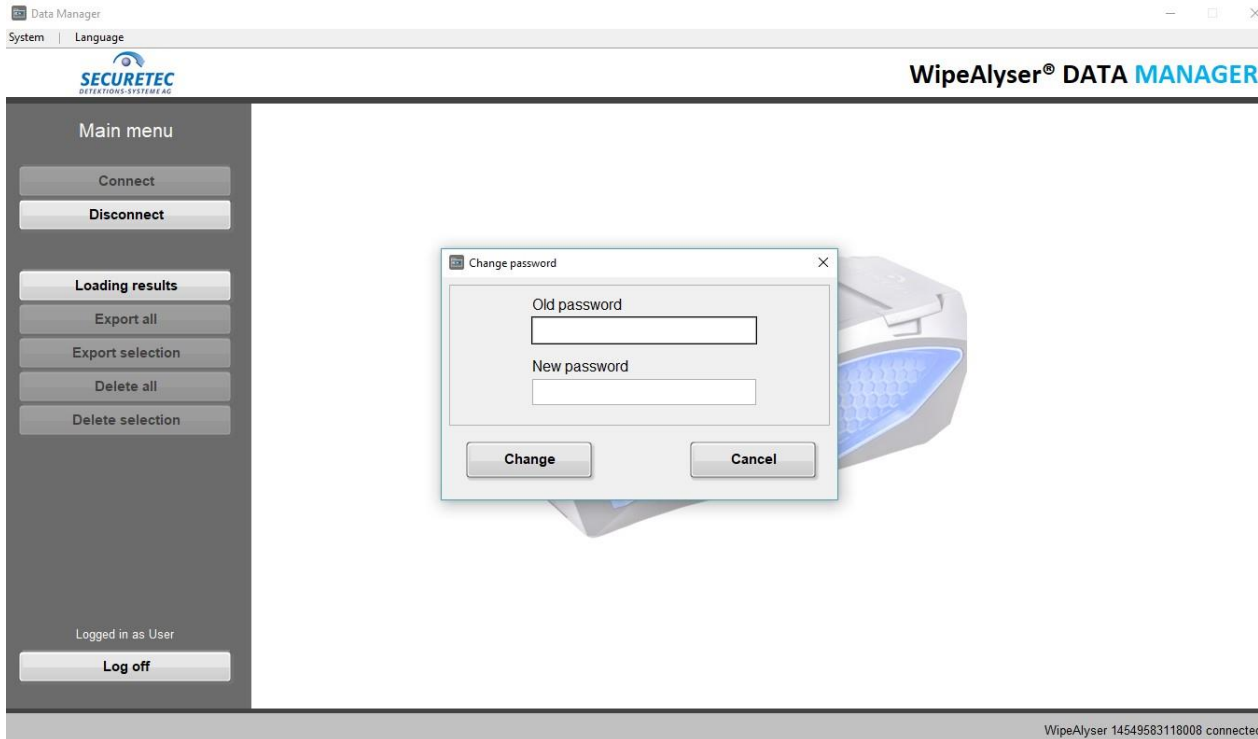
- Log in as **User** or **Administrator**.
- **Administrators** are also able to **delete data** from the device.
- In both cases, the preset **password** is “securetec”.

# Change password



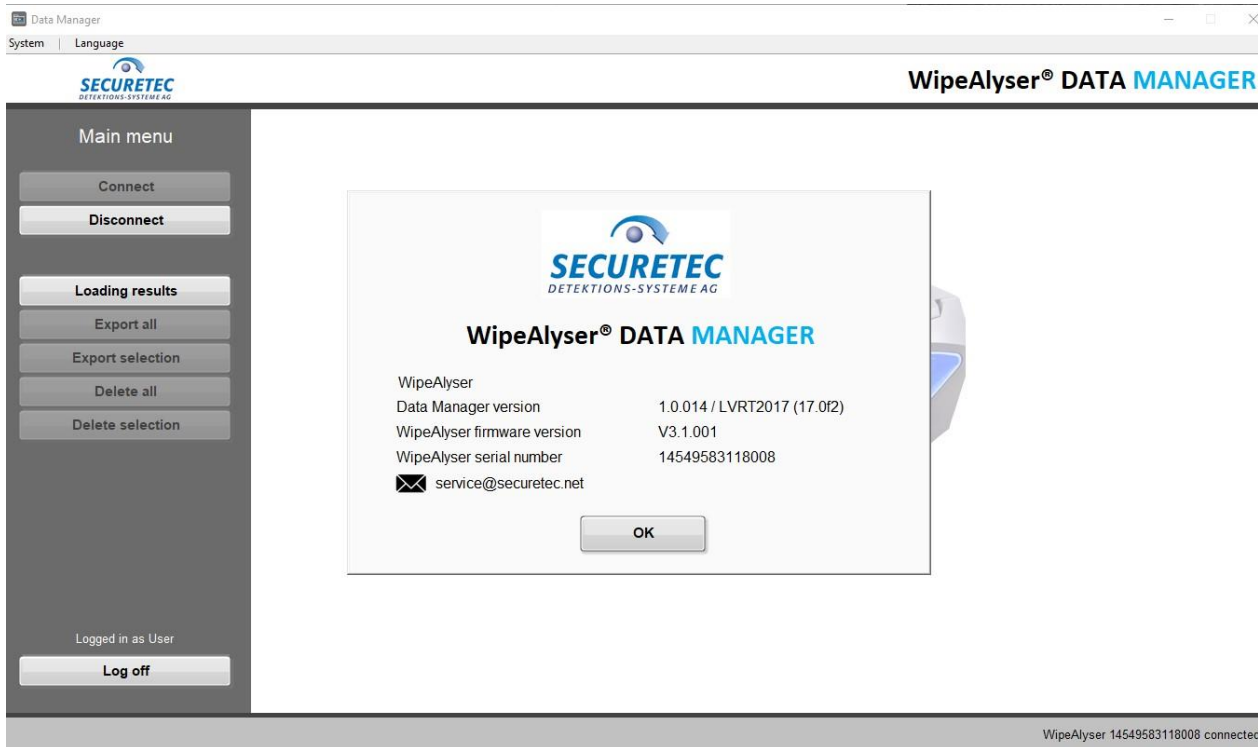
- **System – Change password** should be used to **change** the password after the first login.

# Change password



- **System – Change password** should be used to **change** the password after the first login





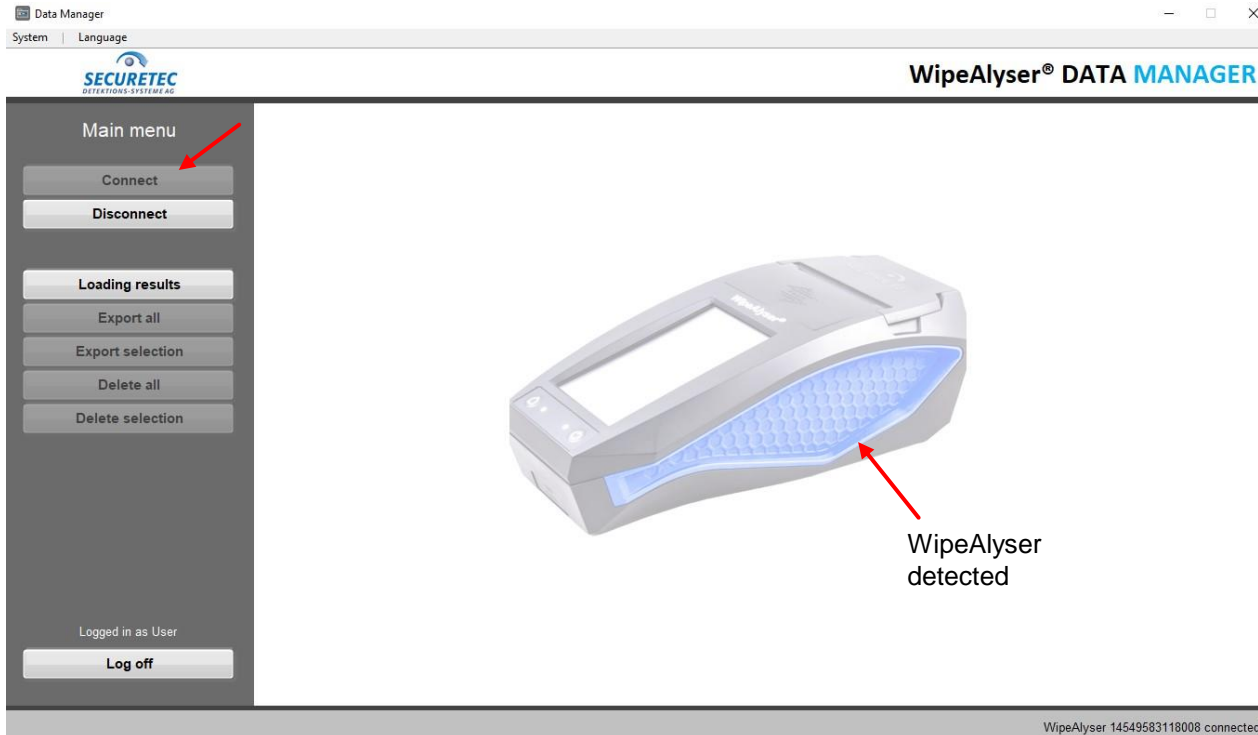
- **System – Info** shows information about the system.

# How to set the language

- **Language** lets you set the language.

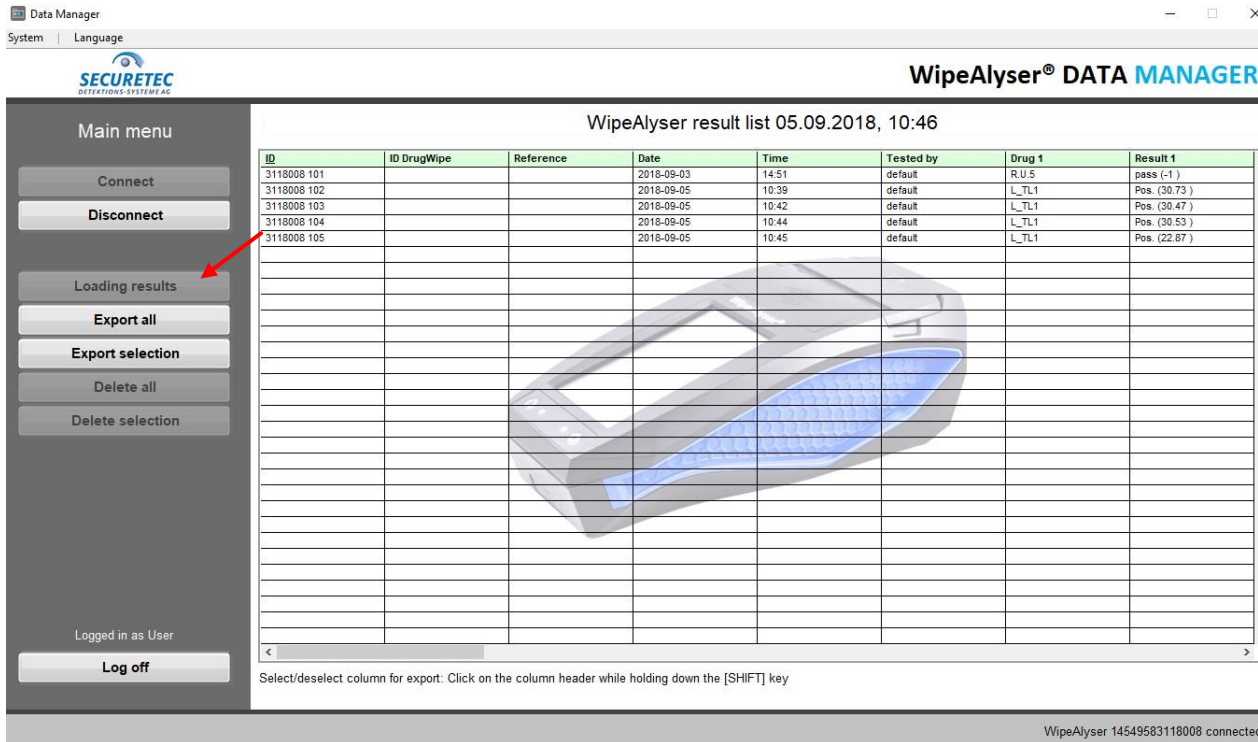


# How to connect WipeAlyser



- Click **Connect** to connect the WipeAlyser to the software.
- After **successful** connection, the **device appears** in the window.

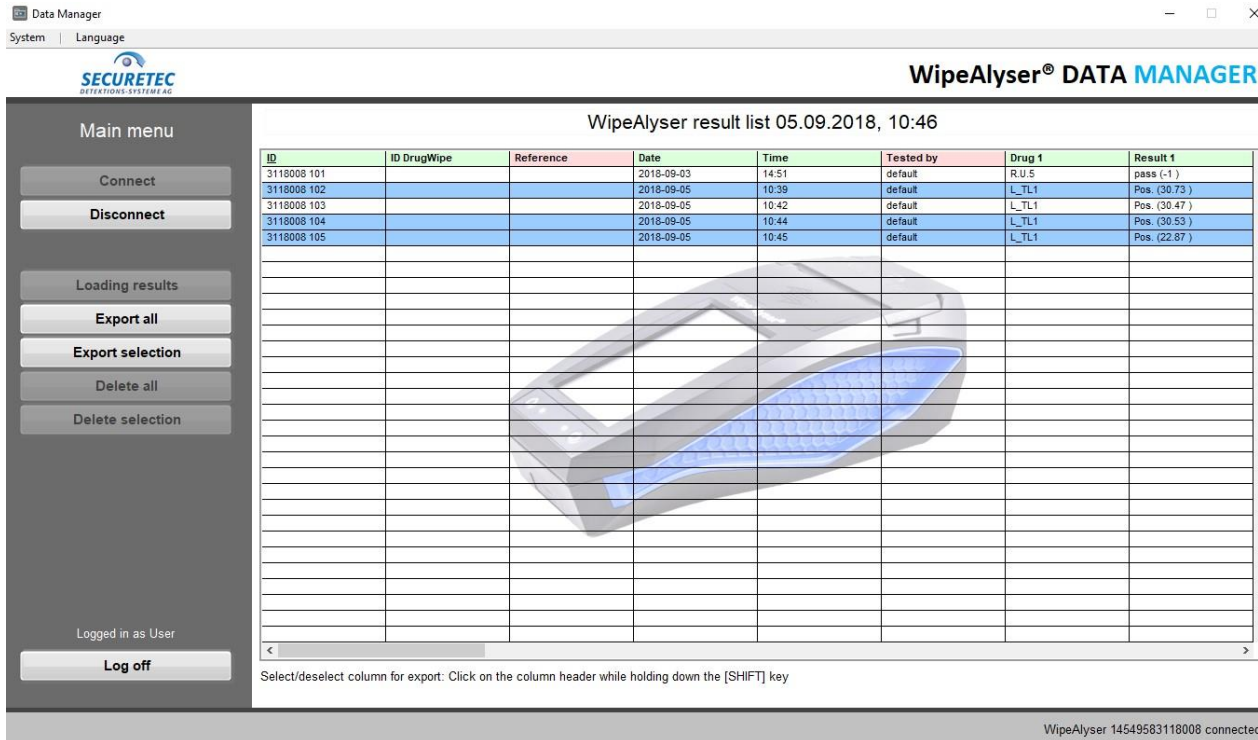
# Loading results



ID	ID DrugWipe	Reference	Date	Time	Tested by	Drug 1	Result 1
3118008 101			2018-09-03	14:51	default	R.U.5	pass (-1)
3118008 102			2018-09-05	10:39	default	L_TL1	Pos. (30.73)
3118008 103			2018-09-05	10:42	default	L_TL1	Pos. (30.47)
3118008 104			2018-09-05	10:44	default	L_TL1	Pos. (30.53)
3118008 105			2018-09-05	10:45	default	L_TL1	Pos. (22.87)

- Clicking **Load results** generates a **list** with the **records** stored on WipeAlyser.

# How to select data



The screenshot shows the 'WipeAlyser DATA MANAGER' application window. The title bar includes 'Data Manager', 'System', and 'Language'. The main content area is titled 'WipeAlyser result list 05.09.2018, 10:46'. It features a table with the following data:

ID	ID DrugWipe	Reference	Date	Time	Tested by	Drug 1	Result 1
3118008 101			2018-09-03	14:51	default	R.U.5	pass (-1)
3118008 102			2018-09-05	10:39	default	L_TL1	Pos. (30.73)
3118008 103			2018-09-05	10:42	default	L_TL1	Pos. (30.47)
3118008 104			2018-09-05	10:44	default	L_TL1	Pos. (30.53)
3118008 105			2018-09-05	10:45	default	L_TL1	Pos. (22.87)

Below the table is a 3D model of a handheld device with a blue sensor area. A sidebar on the left contains a 'Main menu' with buttons for 'Connect', 'Disconnect', 'Loading results', 'Export all', 'Export selection', 'Delete all', and 'Delete selection'. At the bottom, it shows 'Logged in as User' and a 'Log off' button. A status bar at the bottom right indicates 'WipeAlyser 14549583118008 connected'.

- To select individual rows, **press and hold down the CTRL key and click** on the relevant rows.
- If you **press and hold down the SHIFT key** and **click** on individual **columns**, you can **deactivate** these columns so that they are ignored when you save.

# How to transfer data

Data Manager


System | Language

**SECURETEC**  
DETEKTIONS-SYSTEME AG

**WipeAlyser® DATA MANAGER**

WipeAlyser result list 05.09.2018, 10:46

ID	ID DrugWipe	Reference	Date	Time	Tested by	Drug 1	Result 1
3118008 101			2018-09-03	14:51	default	R.U.5	pass (-1)
3118008 102			2018-09-05	10:39	default	L_TL1	Pos. (30.73)
3118008 103			2018-09-05	10:42	default	L_TL1	Pos. (30.47)
3118008 104			2018-09-05	10:44	default	L_TL1	Pos. (30.53)
3118008 105			2018-09-05	10:45	default	L_TL1	Pos. (22.87)



Logged in as User

**Log off**

Select/deselect column for export: Click on the column header while holding down the [SHIFT] key

WipeAlyser 14549583118008 connected

- **Export all** or **Export selection** lets you transfer **all** or **selected records** to the **PC**.
- The data are exported to the selected location as an **Excel file**.

# How to select data

Special rights  
required



- Administrators can use **Delete all** to delete all data from the device.

The screenshot shows the WipeAlyser DATA MANAGER interface. On the left is a sidebar with a 'Main menu' containing buttons for 'Connect', 'Disconnect', 'Loading results', 'Export all', 'Export selection', 'Delete all' (highlighted with a red arrow), and 'Delete selection'. At the bottom of the sidebar, it says 'Logged in as Administrator' and has a 'Log off' button. The main area displays a table titled 'WipeAlyser result list 05.09.2018, 10:50'. The table has columns: ID, ID DrugWipe, Reference, Date, Time, Tested by, Drug 1, and Result 1. A 'Warning' dialog box is overlaid on the table, containing a red exclamation mark icon and the text: 'All data will be permanently deleted from the result list and the device. Confirm delete?'. At the bottom of the dialog are two buttons: 'No, cancel' and 'Yes, delete'. At the bottom of the interface, it says 'WipeAlyser 14549583118008 connected'.

ID	ID DrugWipe	Reference	Date	Time	Tested by	Drug 1	Result 1
3118008 101			2018-09-03	14:51	default	R.U.5	pass (-1)
3118008 102			2018-09-05	10:39	default	L_TL1	Pos. (30.73)
3118008 103			2018-09-05	10:42	default	L_TL1	Pos. (30.47)
3118008 104					default	L_TL1	Pos. (30.53)
3118008 105					default	L_TL1	Pos. (22.87)

we detect to protect

# How to select data

Special rights  
required

The screenshot shows the WipeAlyser DATA MANAGER interface. On the left is a main menu with buttons: Connect, Disconnect, Loading results, Export all, Export selection, Delete all, and Delete selection (highlighted with a red arrow). The main area displays a table titled "WipeAlyser result list 05.09.2018, 10:50". The table has columns: ID, ID DrugWipe, Reference, Date, Time, Tested by, Drug 1, and Result 1. A dialog box titled "1. Warning" is overlaid on the table, containing a red exclamation mark icon and the text: "All data selected will be permanently deleted from the result list and the device. Confirm delete?" with "No, cancel" and "Yes, delete" buttons. At the bottom of the interface, it says "WipeAlyser 14549583118008 connected".

ID	ID DrugWipe	Reference	Date	Time	Tested by	Drug 1	Result 1
3118008 101			2018-09-03	14:51	default	R.U.5	pass (-1)
3118008 102			2018-09-05	10:39	default	L_TL1	Pes. (30.73)
3118008 103			2018-09-05	10:42	default	L_TL1	Pes. (30.47)
3118008 104					default	L_TL1	Pes. (30.53)
3118008 105					default	L_TL1	Pes. (22.87)

- **Delete selection** lets you delete **selected** records from the device.

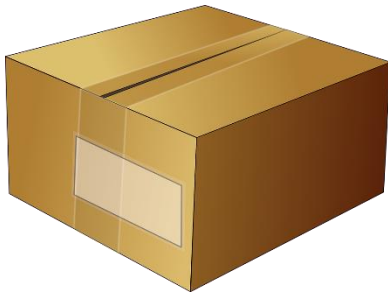




## WipeAlyser Training

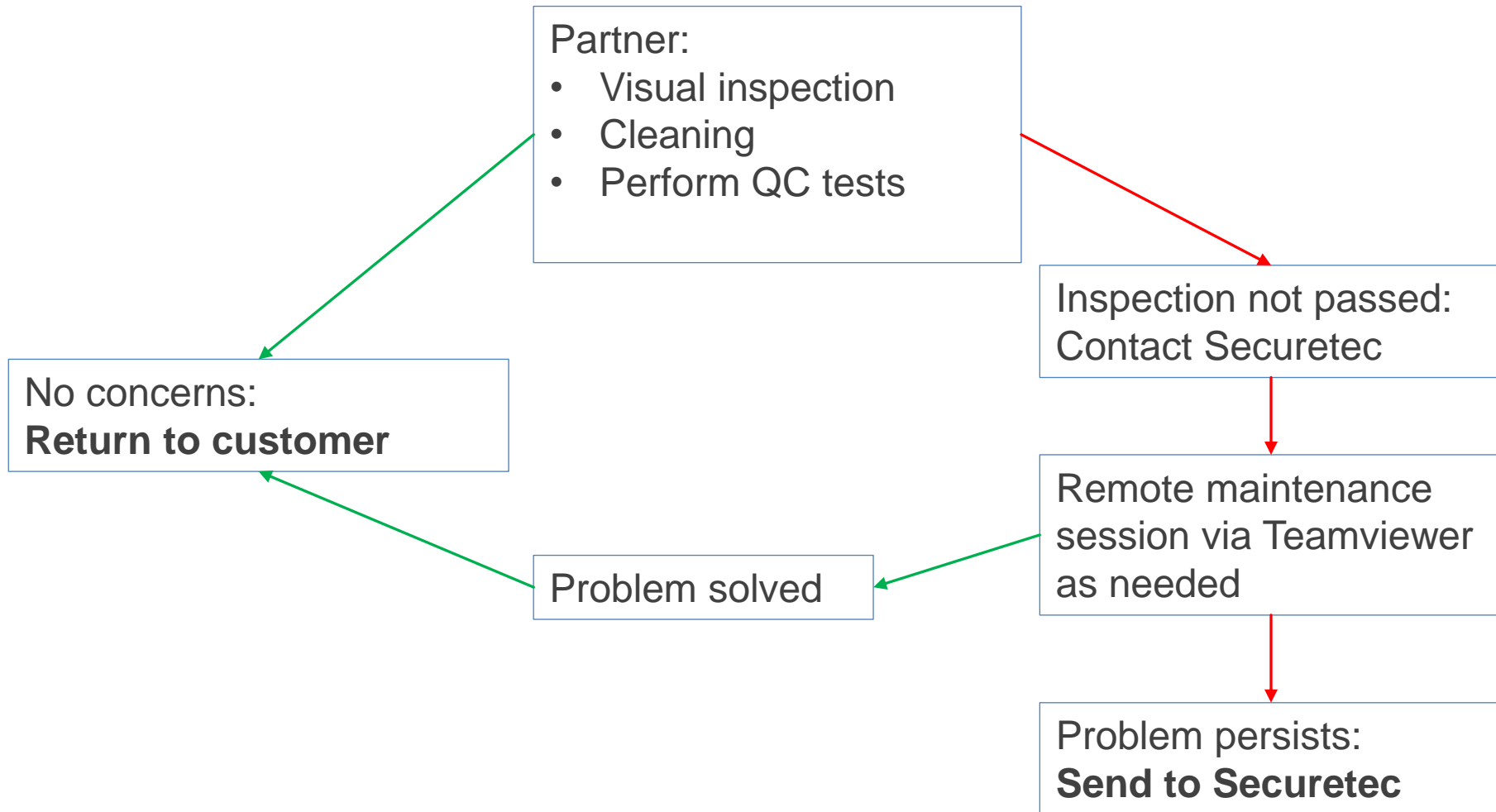
Part 5:

Information for partner distributors



- Make sure the packaging is **shock-proof**.
- Two copies of the **UN3481 label** and the shipper's **phone number** must be added to the outside of the package.
- **MSDS for the batteries** must be placed inside the package on top of the contents.
- The **type designation** of the **battery** must be noted on the **commercial invoice**.
- Observe **country-specific requirements**.
- **Contact** Securetec in case of questions.

# Service/calibration



## The firmware consists of several components:

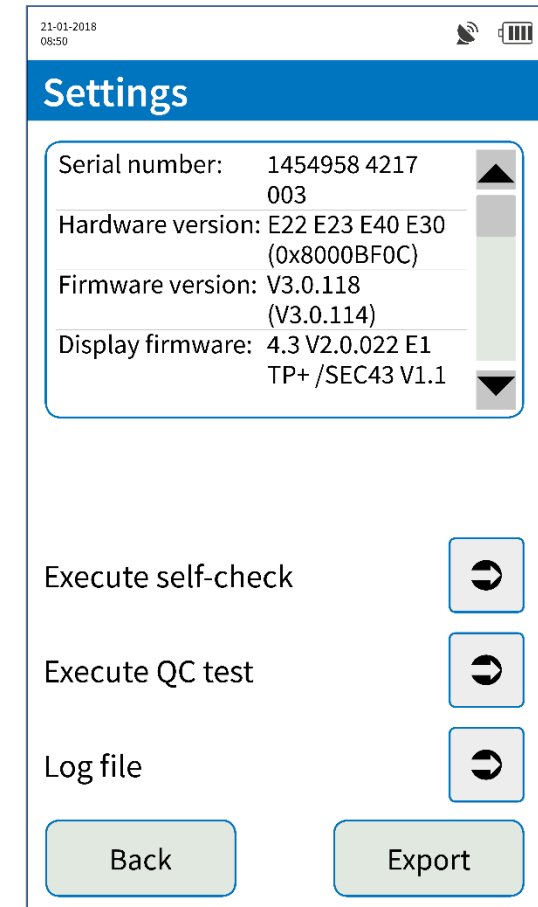
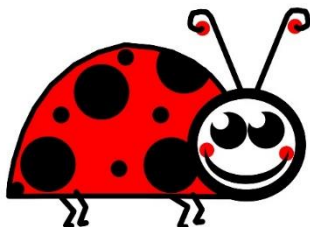
- The **firmware** itself (at the present time, needs to be updated by Securetec via Teamviewer)
- **Language Table** (file on SD card): contains **language packs**
- **XML files** (file on SD card): contains **DrugWipe info** and **test parameters**
- Service file (on SD card)
- Reference images of the various blank strips (on SD card)

Contact: *Peter Hoffmann*

*service@securetec.net*

# What to do after detecting a bug

- **Notify Securetec**
- Take a **screenshot** when the bug occurs
- **Document** the steps **leading up to** the bug
- **Firmware version** of the device in question
- **Serial number** of the device
- **Log file** (if applicable)
- **Additional info** that may be relevant



**Thank you for your time.**



# Contact

**Max Mustermann**

position

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