Notes regarding the slides

SECURETEC
DETEKTIONS-SYSTEME AG

- The slides are valid as of February 2019

- 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.

we detect to protect

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.

we detect to protect

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.

we detect to protect

WipeAlyser – a drug pre-screening device

- WipeAlyser is a **screening** test device.

- **Positive** results must be validated by the **laboratory**.

we detect to protect
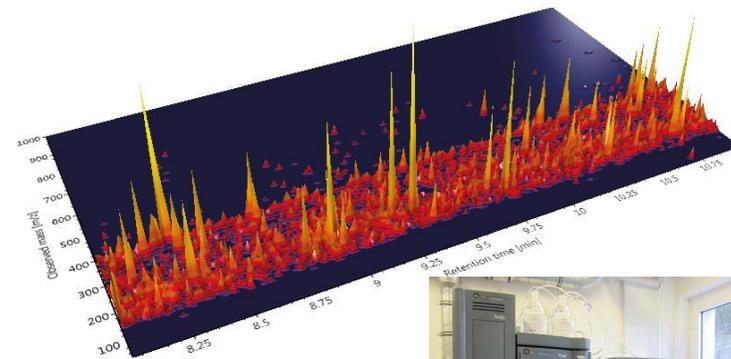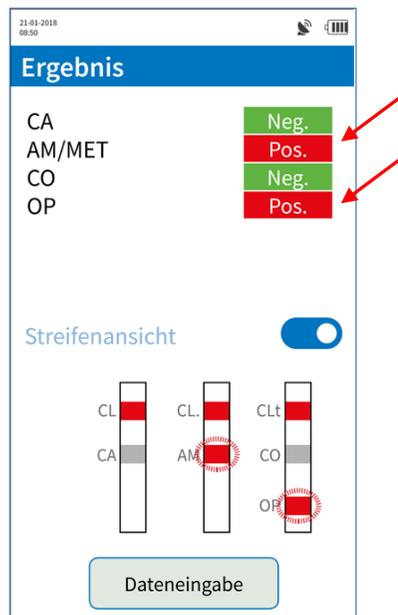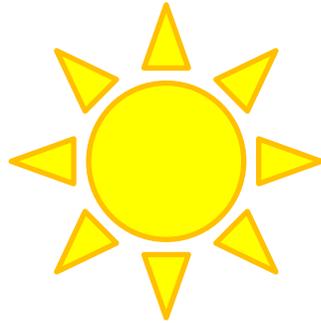
Temperature

- Operating temperature: **+ 5** to **+ 40°C** (same as DrugWipe)

- Storage temperature: **− 30** to **+ 80°C**

- The temperature is **monitored** by the device and **checked** prior to measurement.

we detect to protect

- 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.

we detect to protect

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

we detect to protect

Device controls

Touchscreen
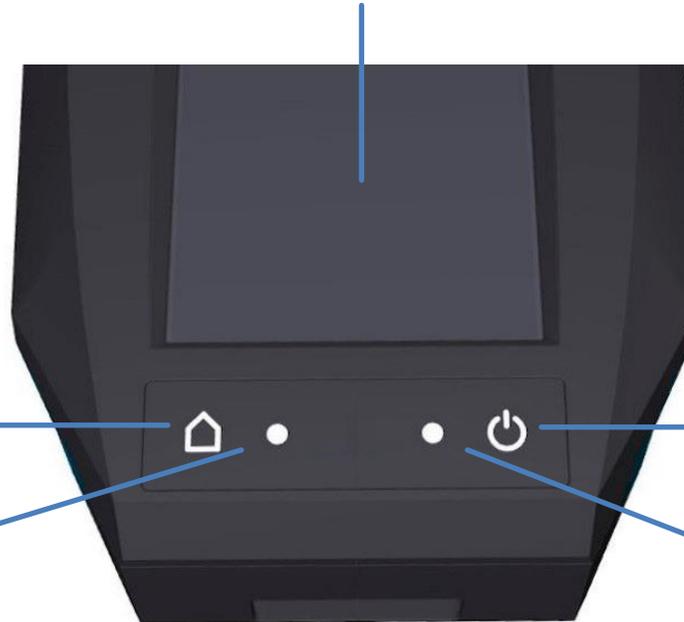
Home button to go
to the main menu

Start button with
On/Off function

Result status LED:

🟢 : negative

🔴 : positive

☀️: Flashing = test invalid

Status LED:

🟢 : On

⚪ : Eco mode

☀️: Flashing = charging

🟡 : Steady light = fully charged

☀️: Flashing = hardware error

we detect to protect

Device connections

Code scanner for barcode scanning

Connector for power supply

USB port for connecting a PC or car charger adapter

SD card slot for exporting data
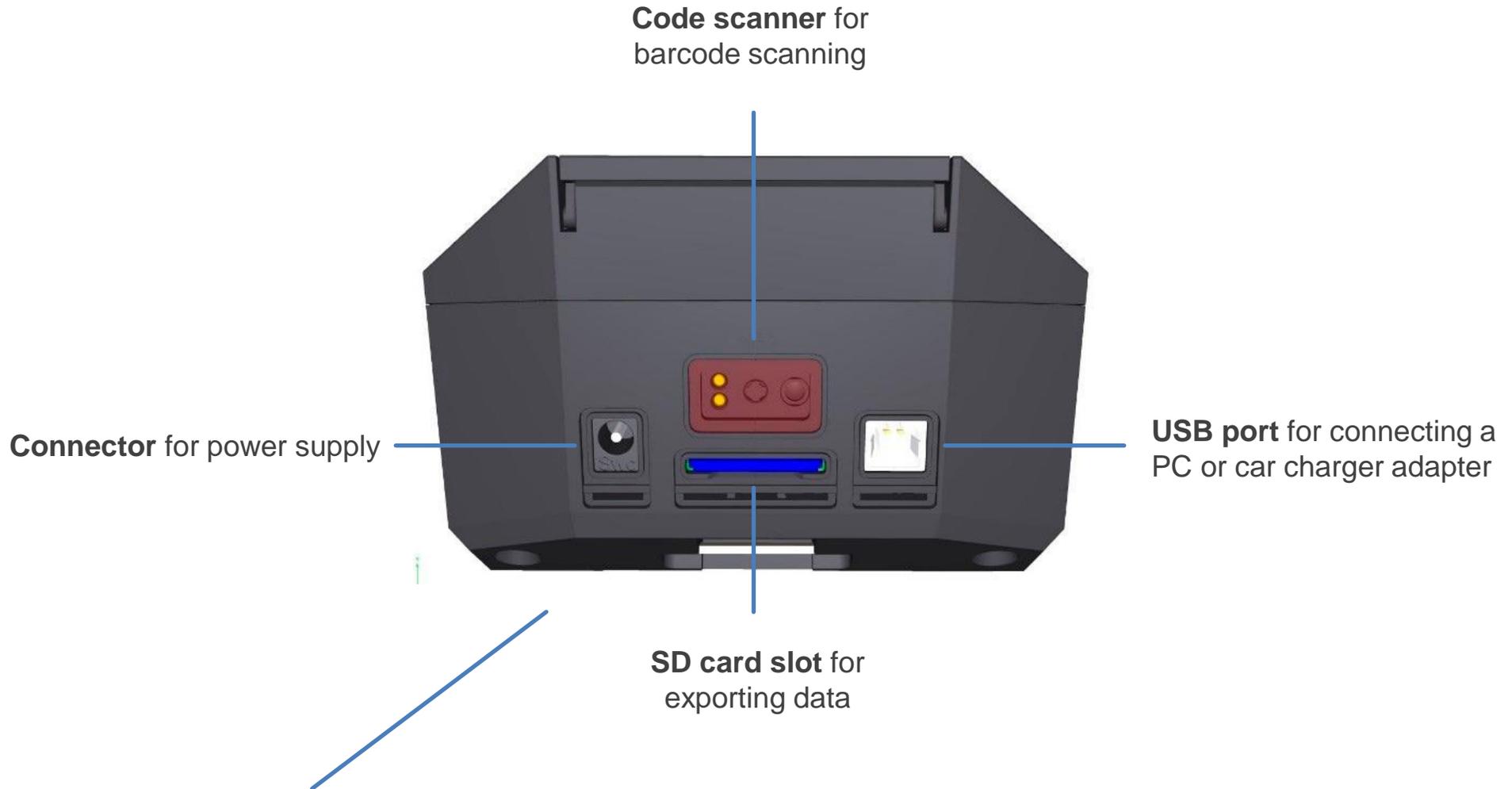
A **Reset button** is located at the **bottom** in case the device "freezes up."

we detect to protect

Accessories

Carrying bag
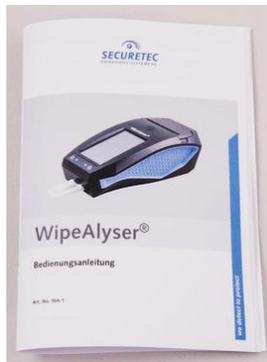
User Guide

Power cord and **power supply**

we detect to protect

Accessories

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

we detect to protect

Accessories

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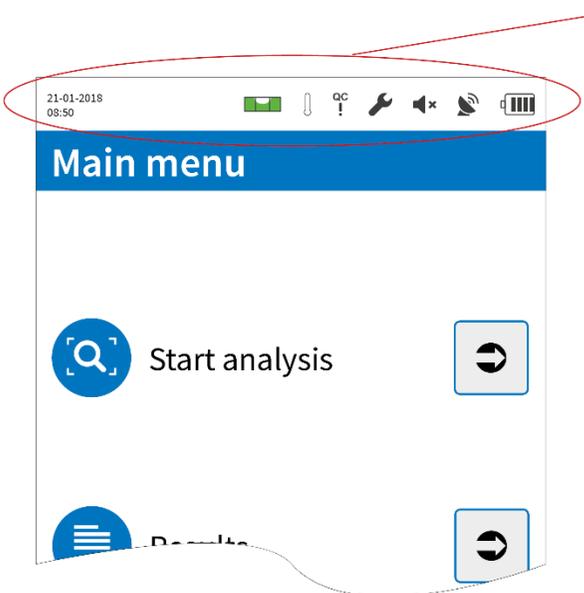**(thermal paper, 56 mm wide)**

Styluses

Quality control tests (QC tests)

we detect to protect

WipeAlyser Training

Part 2: How to perform a measurement
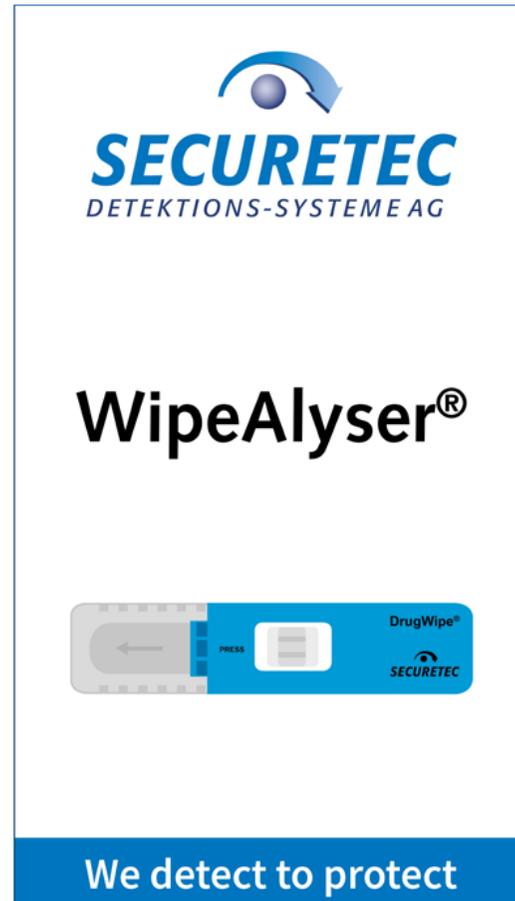
- **Press the Start button** to power on WipeAlyser.
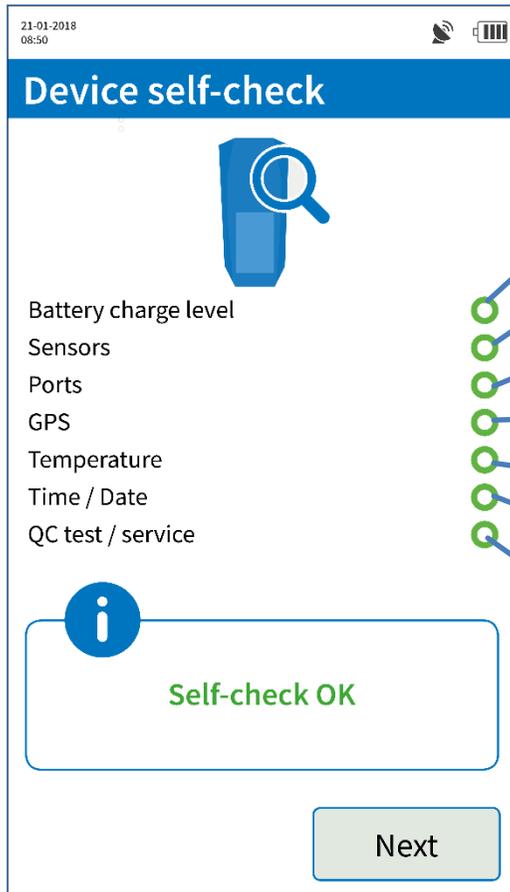
- The **welcome screen** appears.
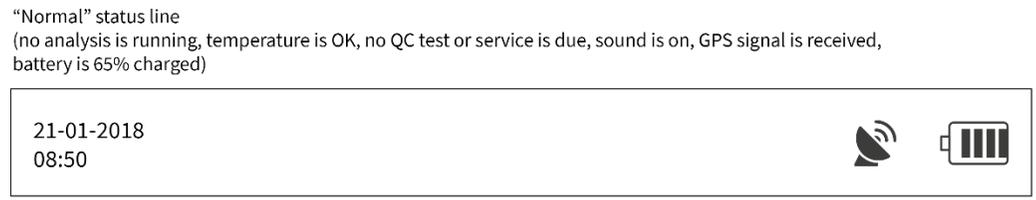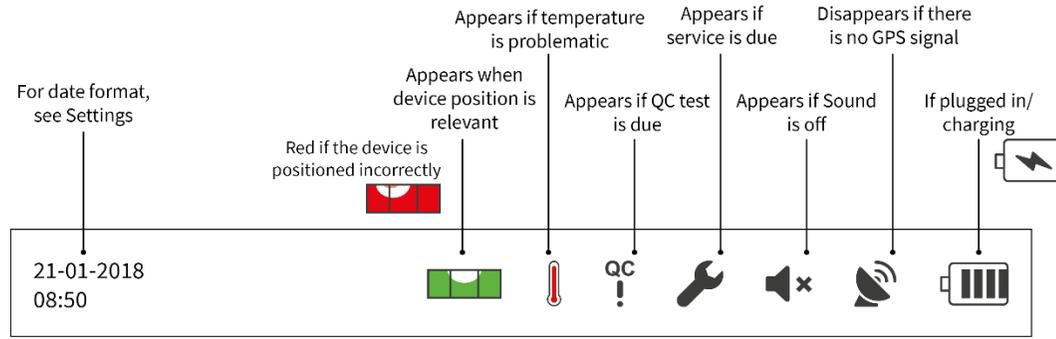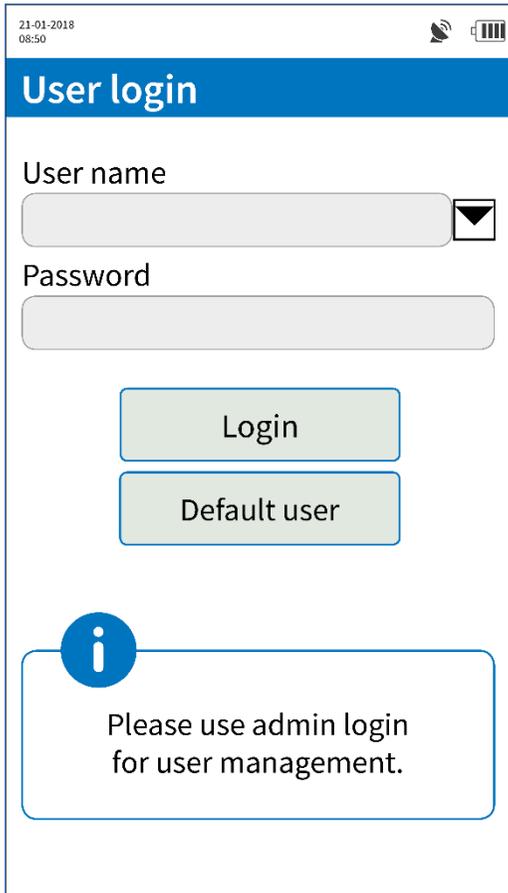
we detect to protect

Status bar

For date format,
see Settings

Appears when
device position is
relevant

Appears if temperature
is problematic

Appears if
service is due

Disappears if there
is no GPS signal

Red if the device is
positioned incorrectly

Appears if QC test
is due

Appears if Sound
is off

If plugged in/
charging

21-01-2018
08:50

QC
!

Main menu

Start analysis

"Normal" status line
(no analysis is running, temperature is OK, no QC test or service is due, sound is on, GPS signal is received, battery is 65% charged)

21-01-2018
08:50

we detect to protect

Login

- **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.

we detect to protect
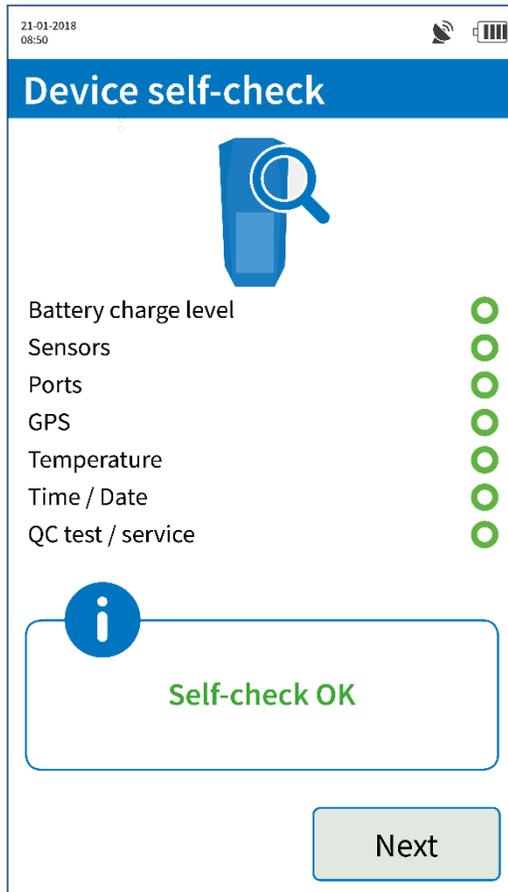
Self-check

- After login, the device runs through a **self-check**.

- This checks the **technical condition** of WipeAlyser.

we detect to protect

Self-check

21-01-2018
08:50

Device self-check

Battery charge level
Sensors
Ports
GPS
Temperature
Time / Date
QC test / service

ⓘ

Self-check OK

Next

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

we detect to protect

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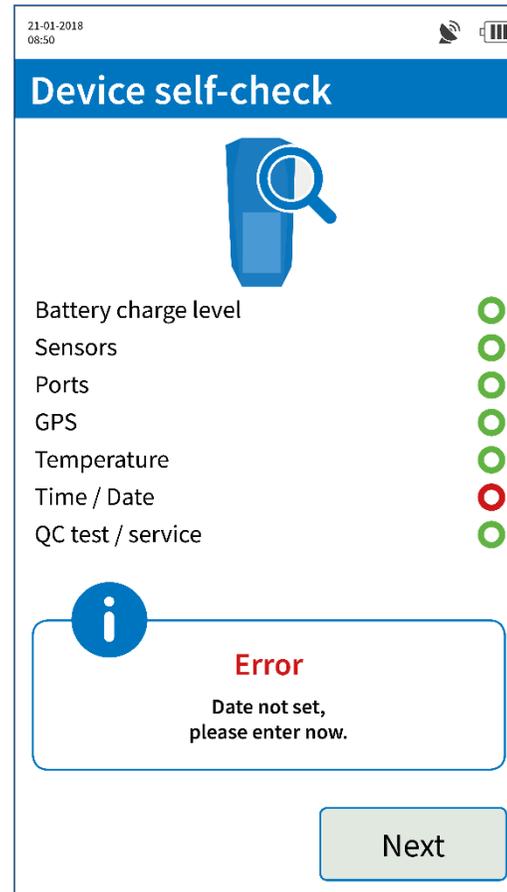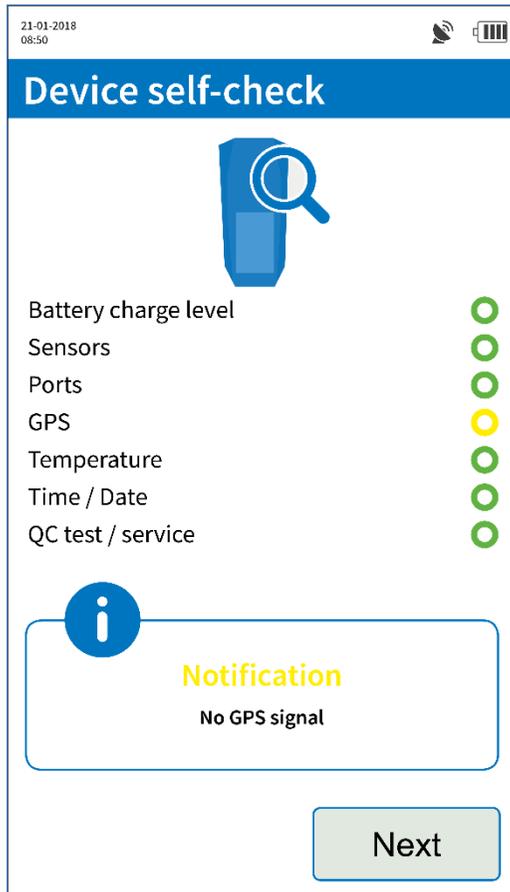
- **Notification** (yellow) means that **measurements** are still possible.
- **Error** (red) means that **action is required** and the device is **not ready for measurement**.
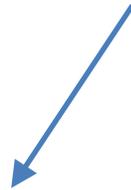
we detect to protect

How to prepare for a measurement

we detect to protect
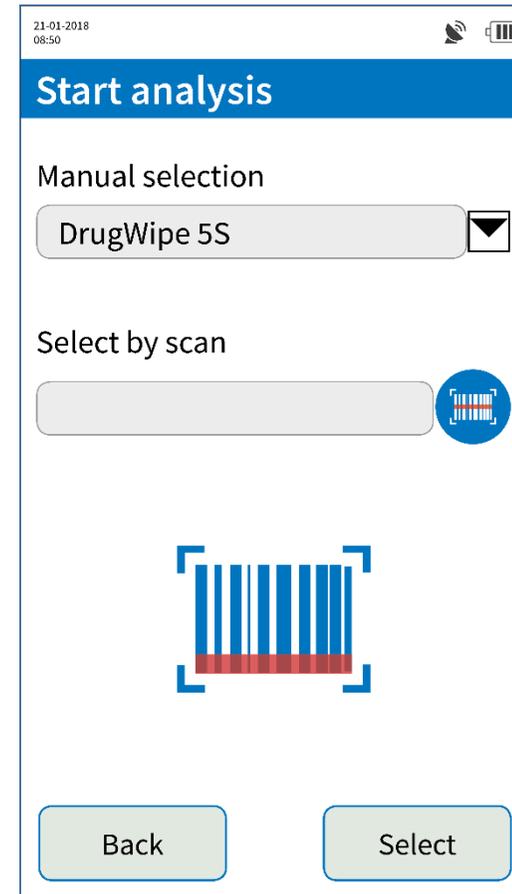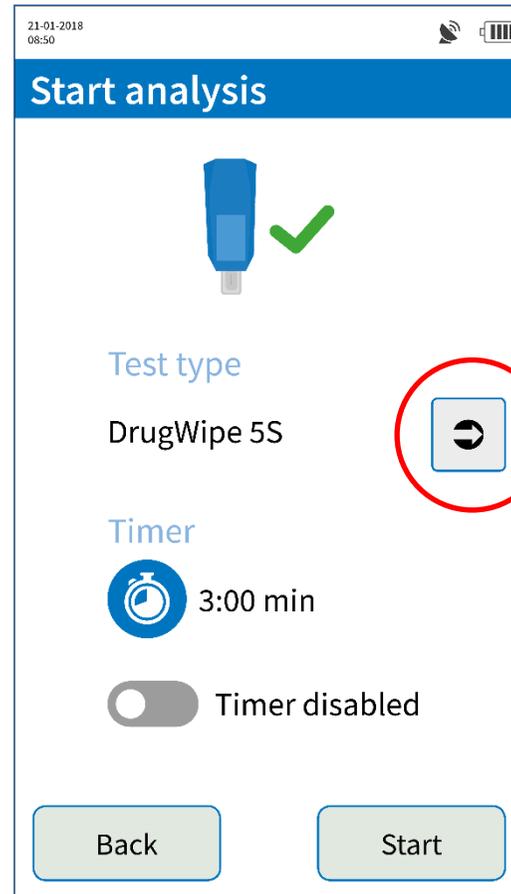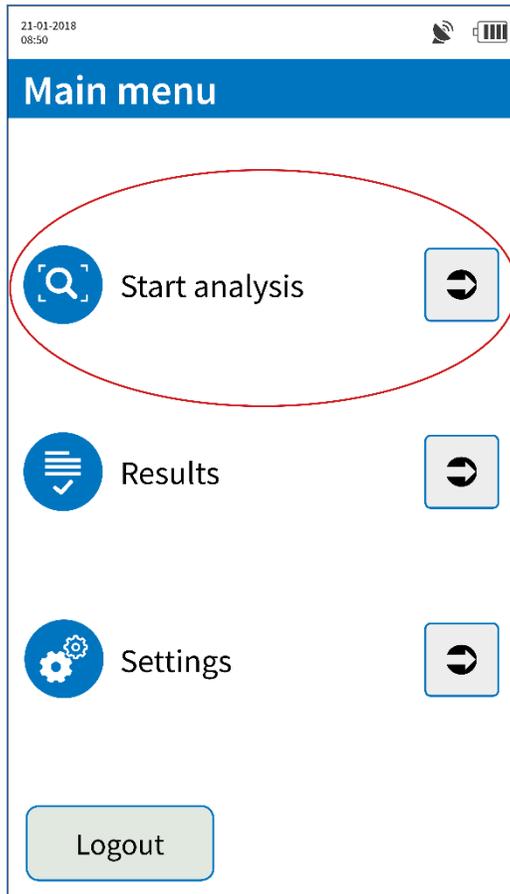
2 readout methods after sample collection

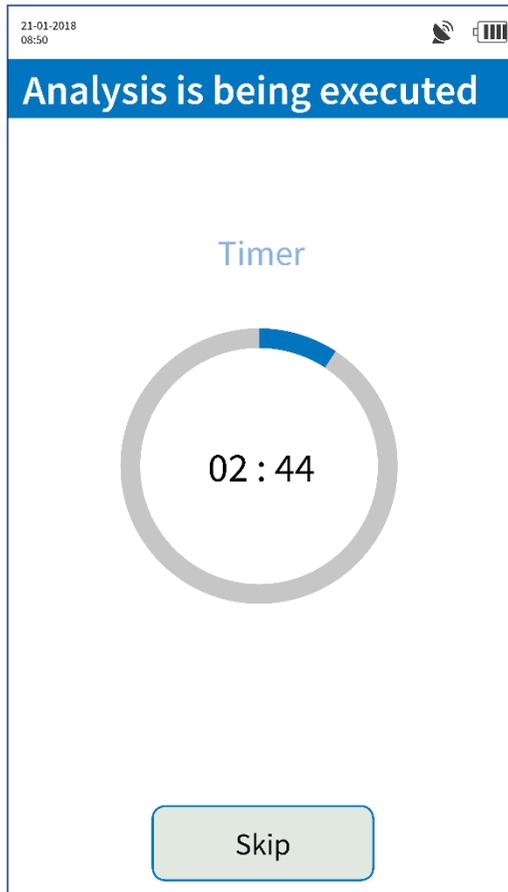**Sample collection**
according to DrugWipe
instructions for use

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

Timer enabled

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

Timer disabled

we detect to protect

How to perform the analysis

21-01-2018
08:50

Analysis is being executed

Timer

02 : 44

Skip

- 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).

we detect to protect

Result display
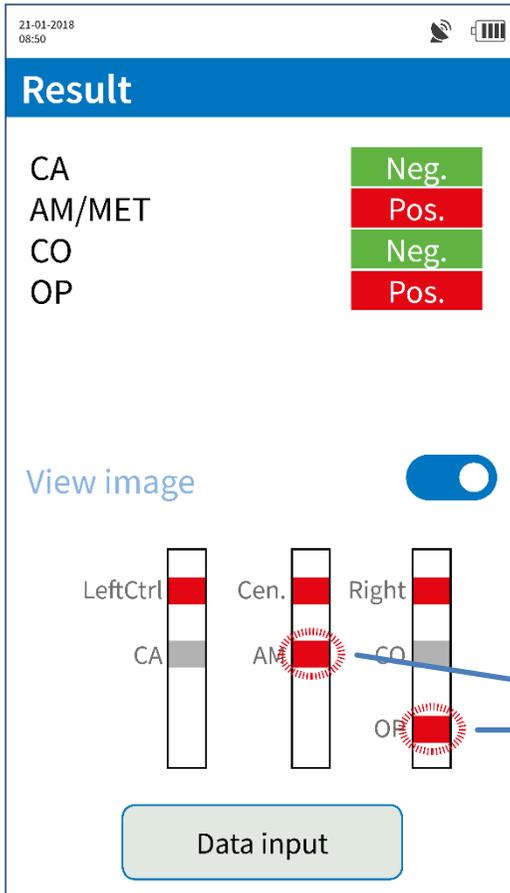
21-01-2018 08:50	
Result	
CA	Neg.
AM/MET	Pos.
CO	Neg.
OP	Pos.

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

we detect to protect

Result display
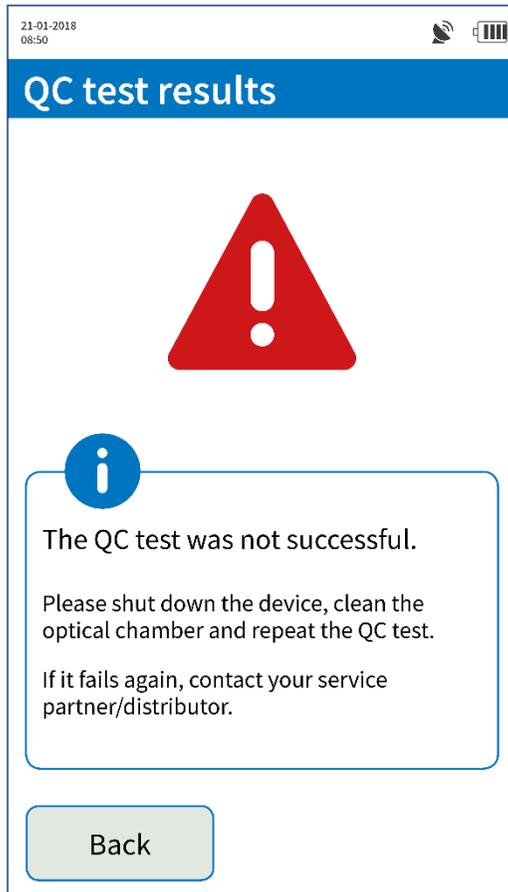
- If the **result is invalid**, the measurement must be repeated.

  One reason for invalid results could be excessive **tilting** of the device during the measurement.

we detect to protect

Data Input

Data entry 1/2

File number

( ) Mr   ( ) Mrs

Title

First name

Last name

Date of birth

Back   Next

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**.
- The **scanner icon** means that you can scan a **barcode** using the build-in scanner.

we detect to protect

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**.

we detect to protect

Printing

- 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**.

we detect to protect

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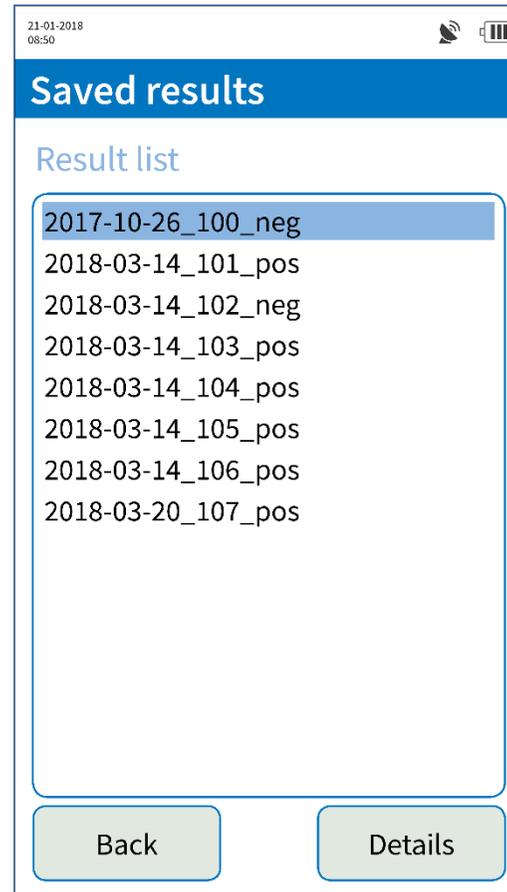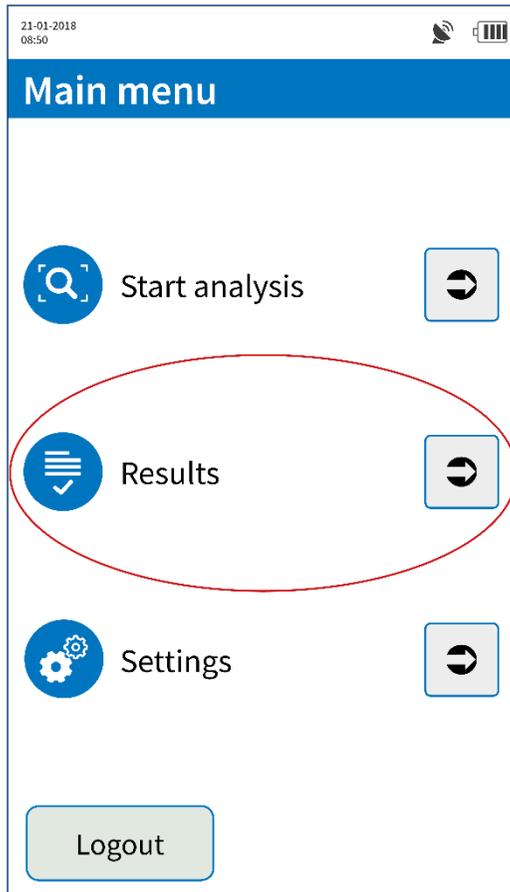
- Select **Results** from the main menu to view **stored** records.

we detect to protect

Result display

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

Back   Print

- **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.

we detect to protect

Maintenance & service
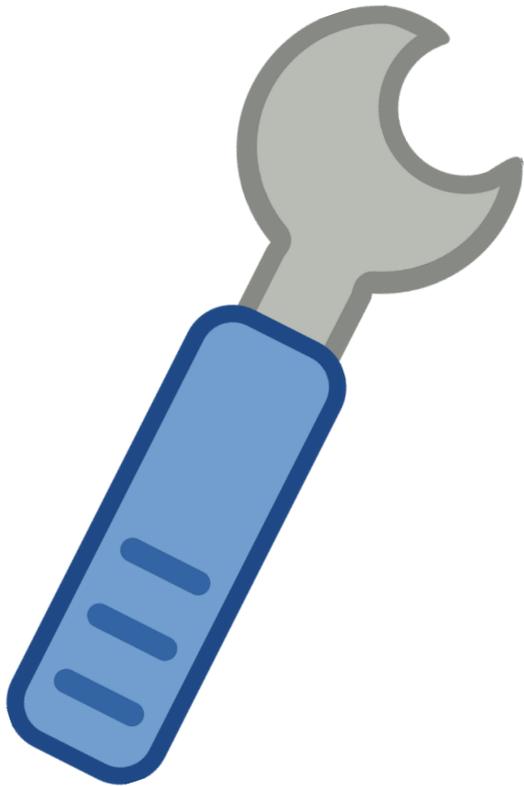
- WipeAlyser must be **serviced** and possibly **calibrated** every **two years**.

- If the device is due for service, a **warning** appears during start-up.

- Servicing and calibration tasks are performed by the **service parter** respectively by the **manufacturer**.

- Please **contact** your **service partner**.

we detect to protect
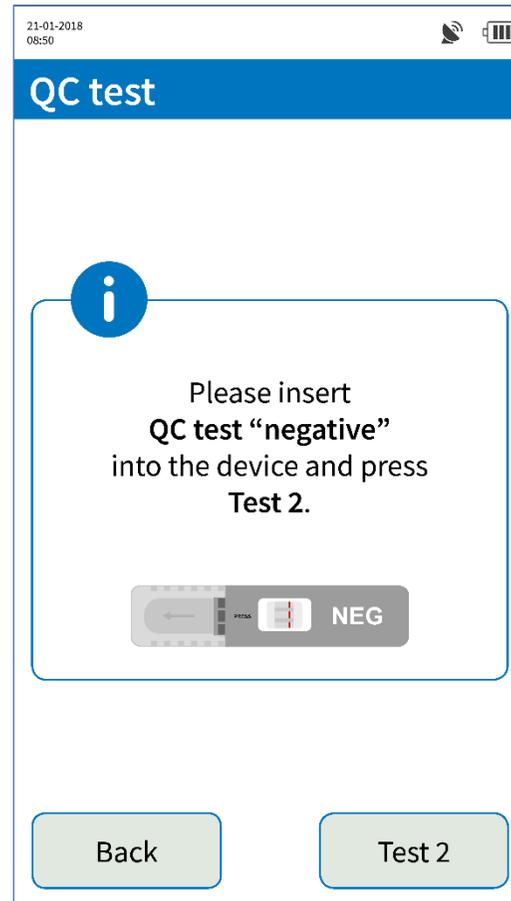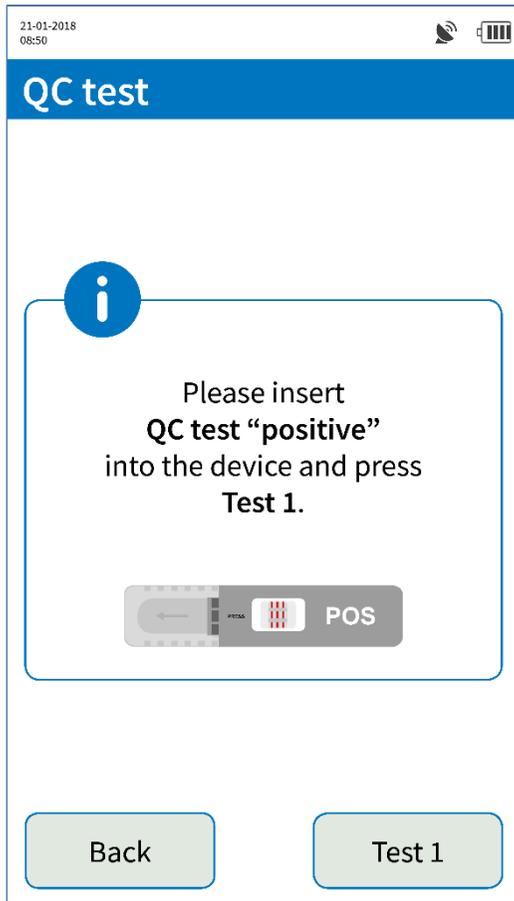
QC test

- 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.

we detect to protect
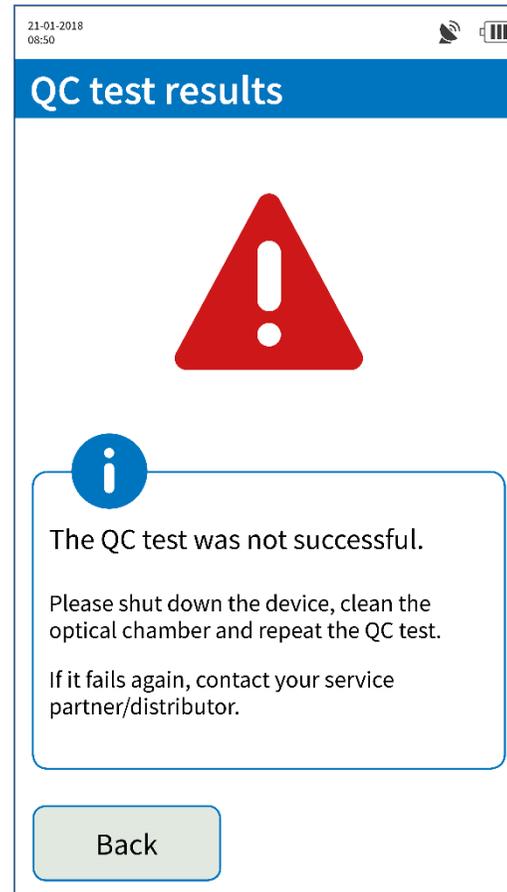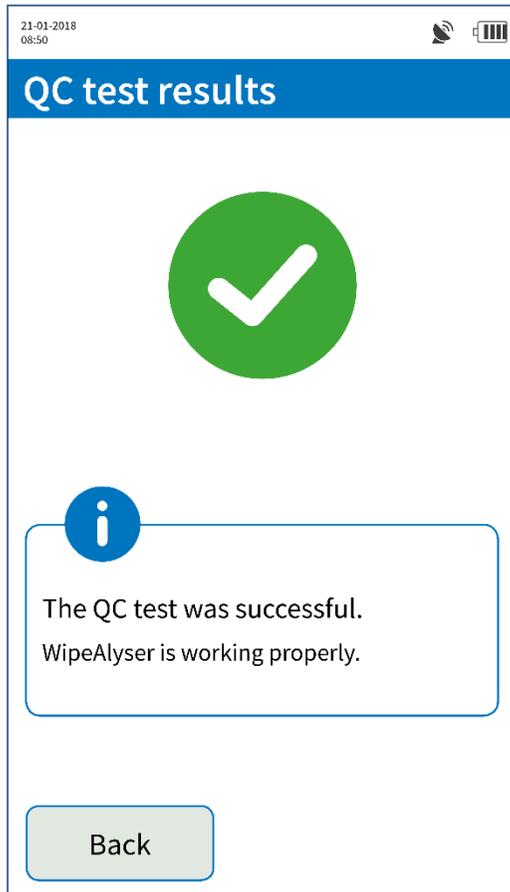
QC test

- If the QC test is a **pass**, the test interval is **reset**.

- In case of an **error message**, the QC test must be **repeated**.

- If the test is another fail, please contact your **service partner**.

we detect to protect

WipeAlyser Training

Part 3: Settings

Device info/check
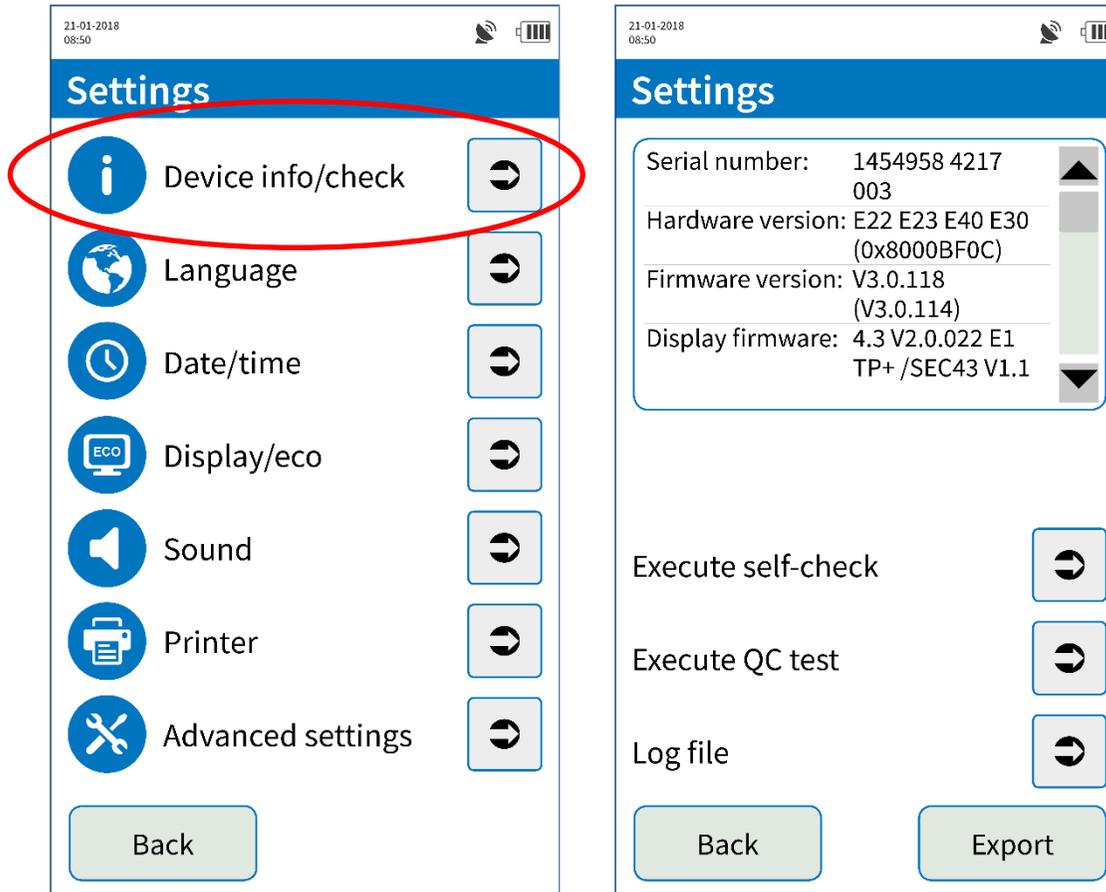
- **Device info/check** lets you view **device information**.

- **Export** lets you **print** or save them to an **SD card**, for example in case of a complaint.

- It is possible to **manually** initiate a **self-check** or **QC test**.

we detect to protect
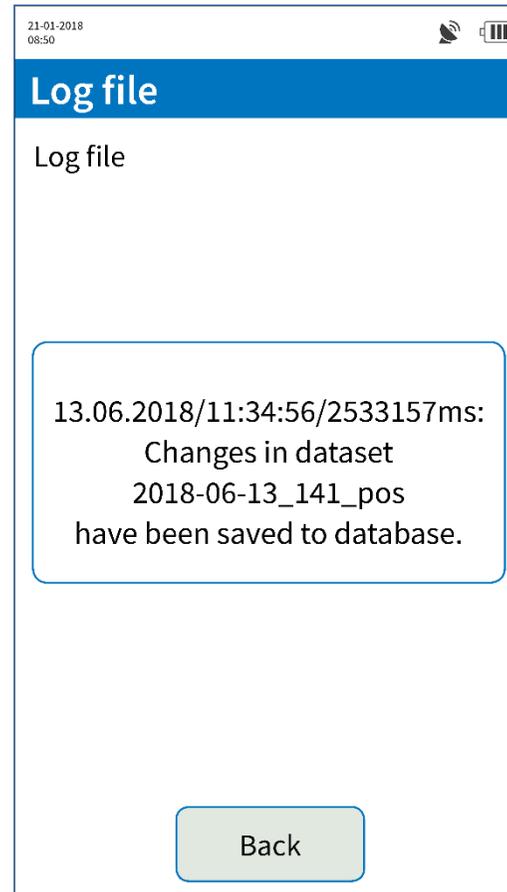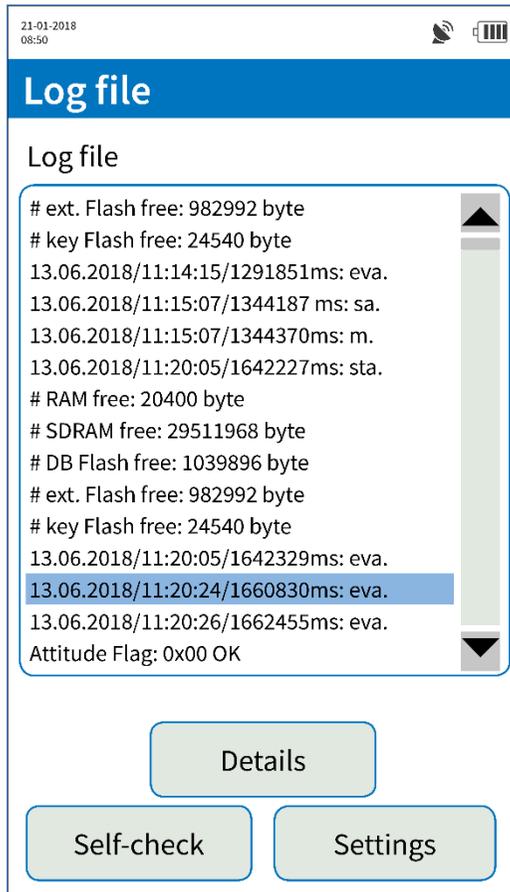
Log file

- The **log file** is a record of **all the actions** performed on the device.

- **Select** individual entries to **view their details**.

we detect to protect
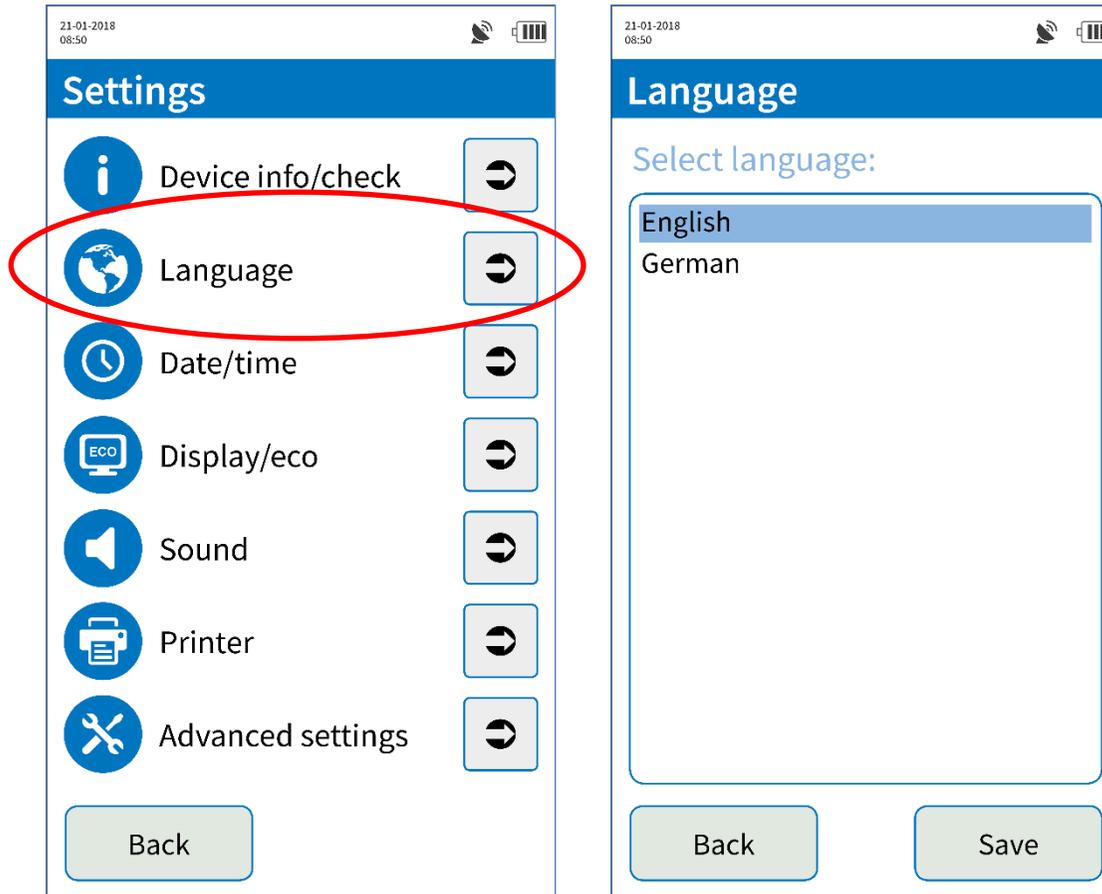
Language

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

we detect to protect

Date/time
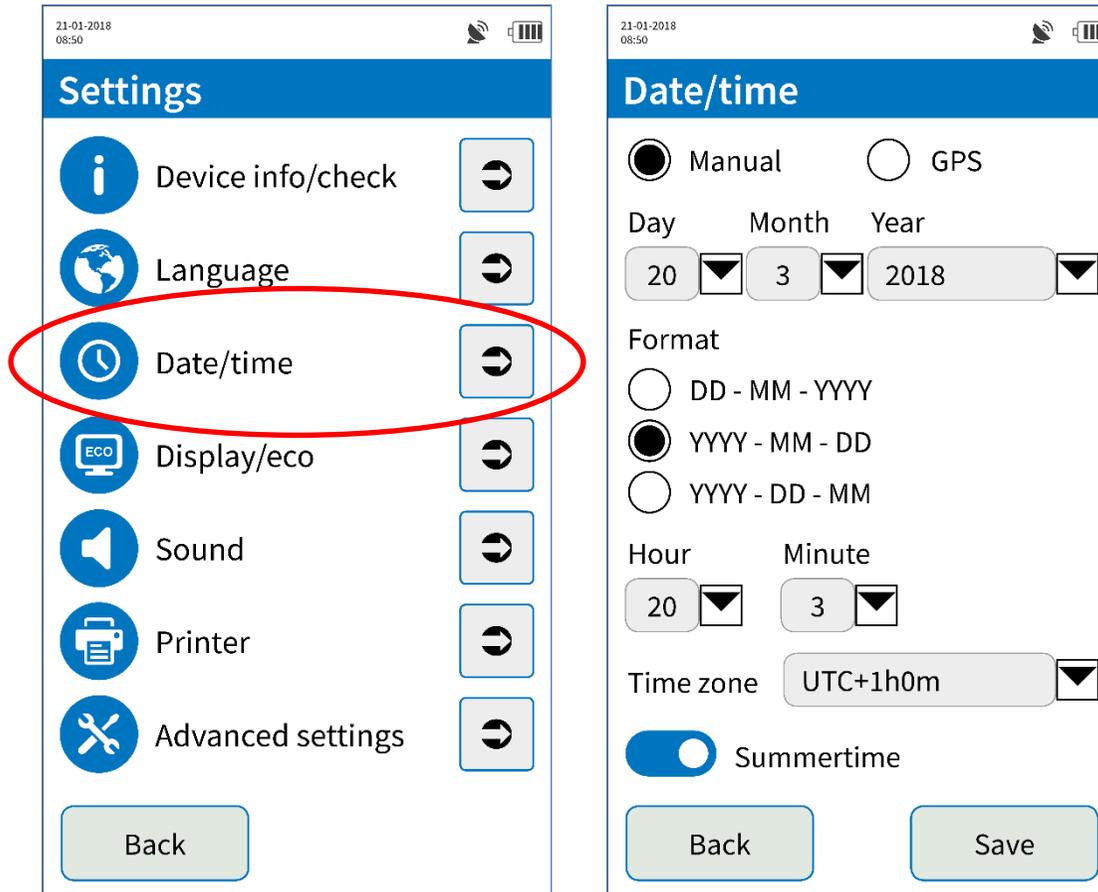
- **Date** and **time** can be set **manually** or automatically via **GPS**.

- **Without** GPS reception, the date and time can only be entered **manually**.

- **Format** lets you configure the **date format**.

we detect to protect

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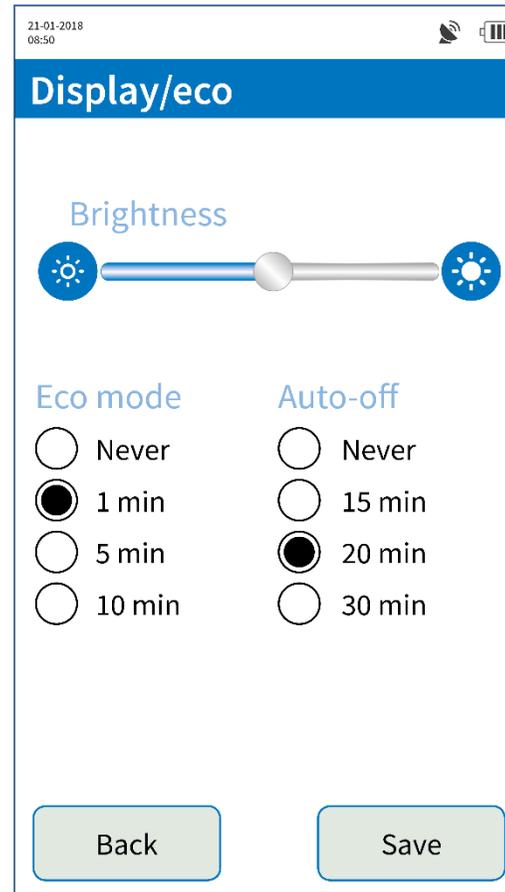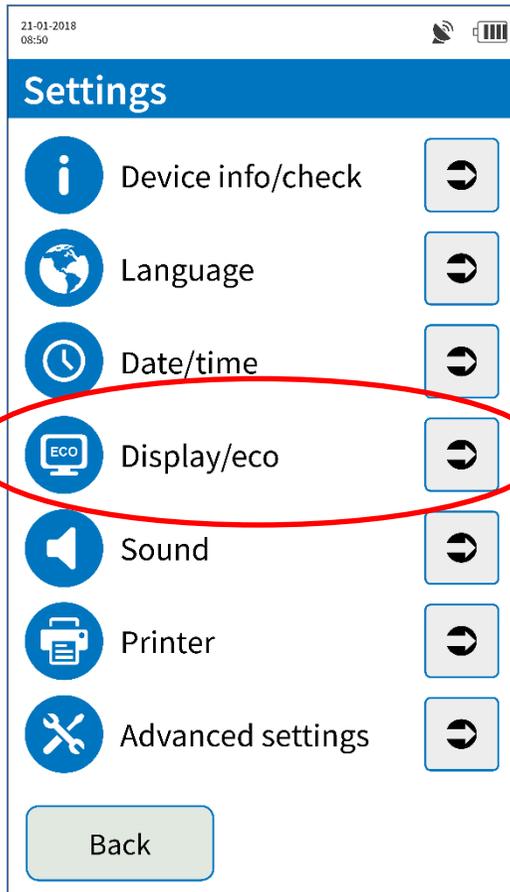
- **Decreasing** the display **brightness** will **save power**.
- In **Eco mode**, the display will be **dimmed** while the device remains **powered on** (blue LED).
- WipeAlyser will automatically **power off** after the time defined under **Auto-off** has elapsed.

we detect to protect

Sound
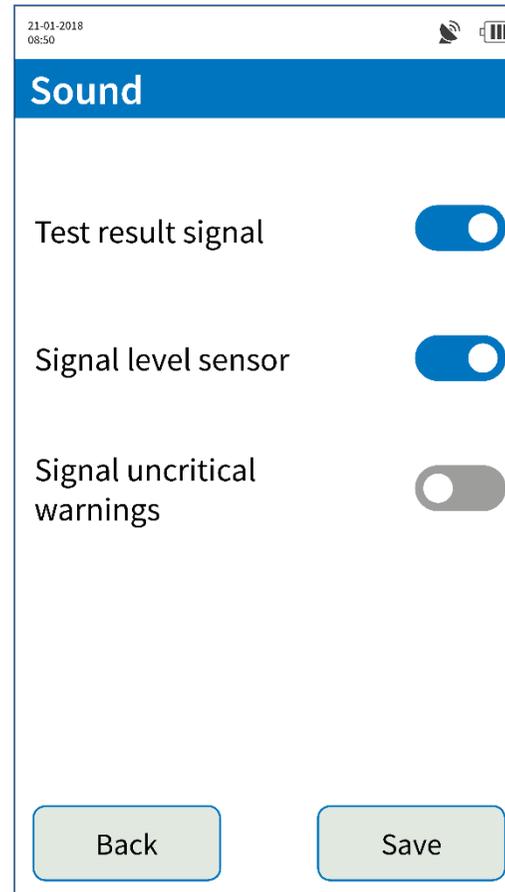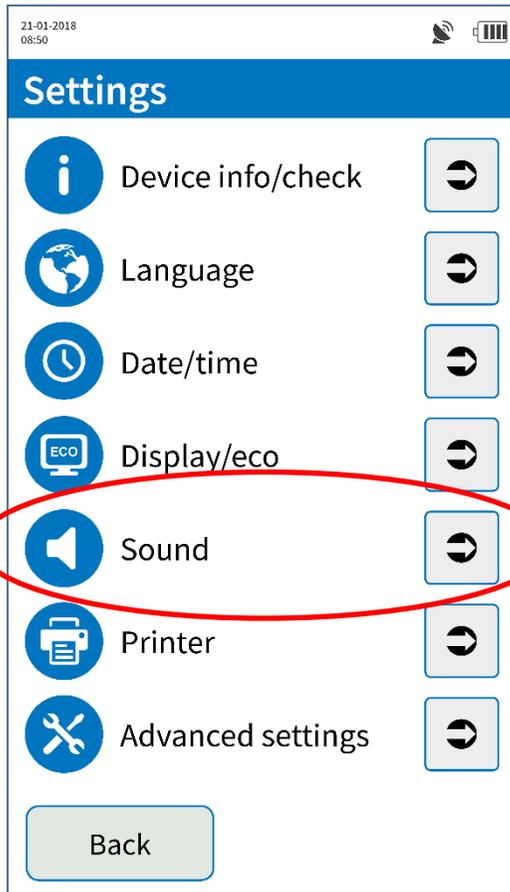
- **Test result signal** will indicate **completion** of the measurement by an **acoustic signal**.

- **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.

we detect to protect
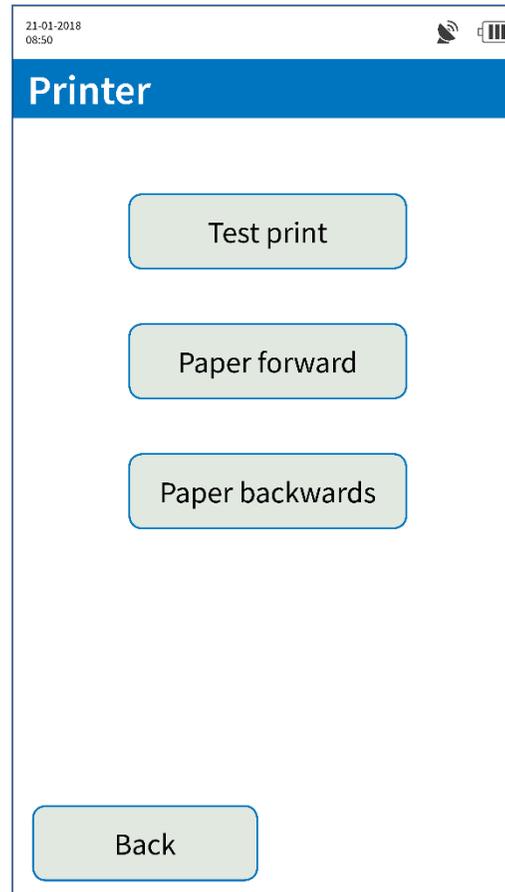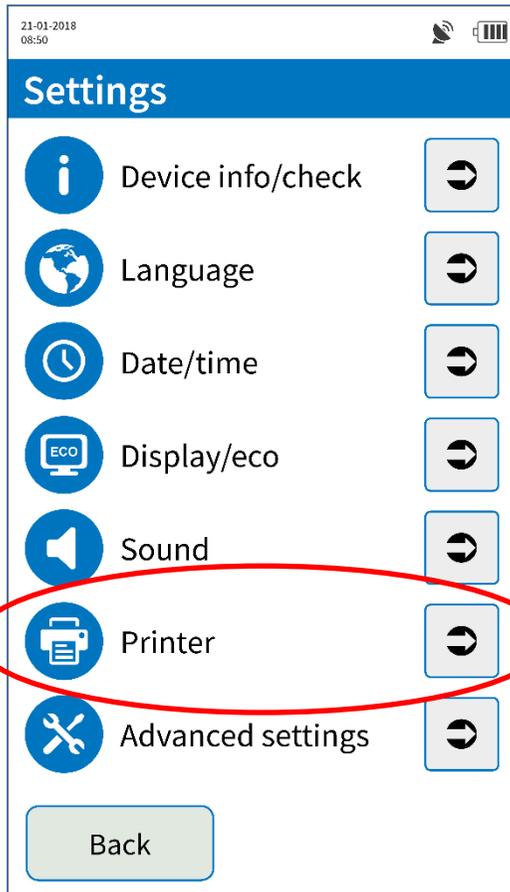
Printer

- 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.

we detect to protect

Advanced settings

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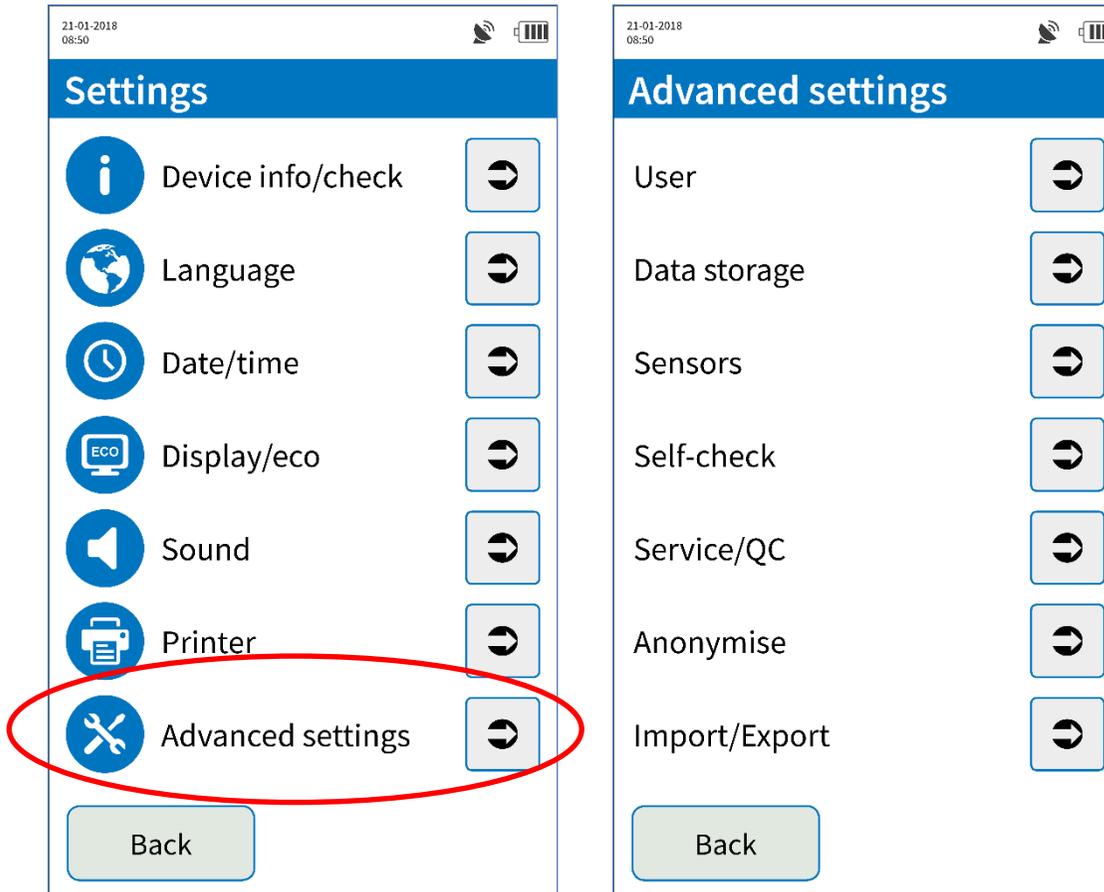
- By default, **advanced settings** are restricted to **administrators** and **super users**.

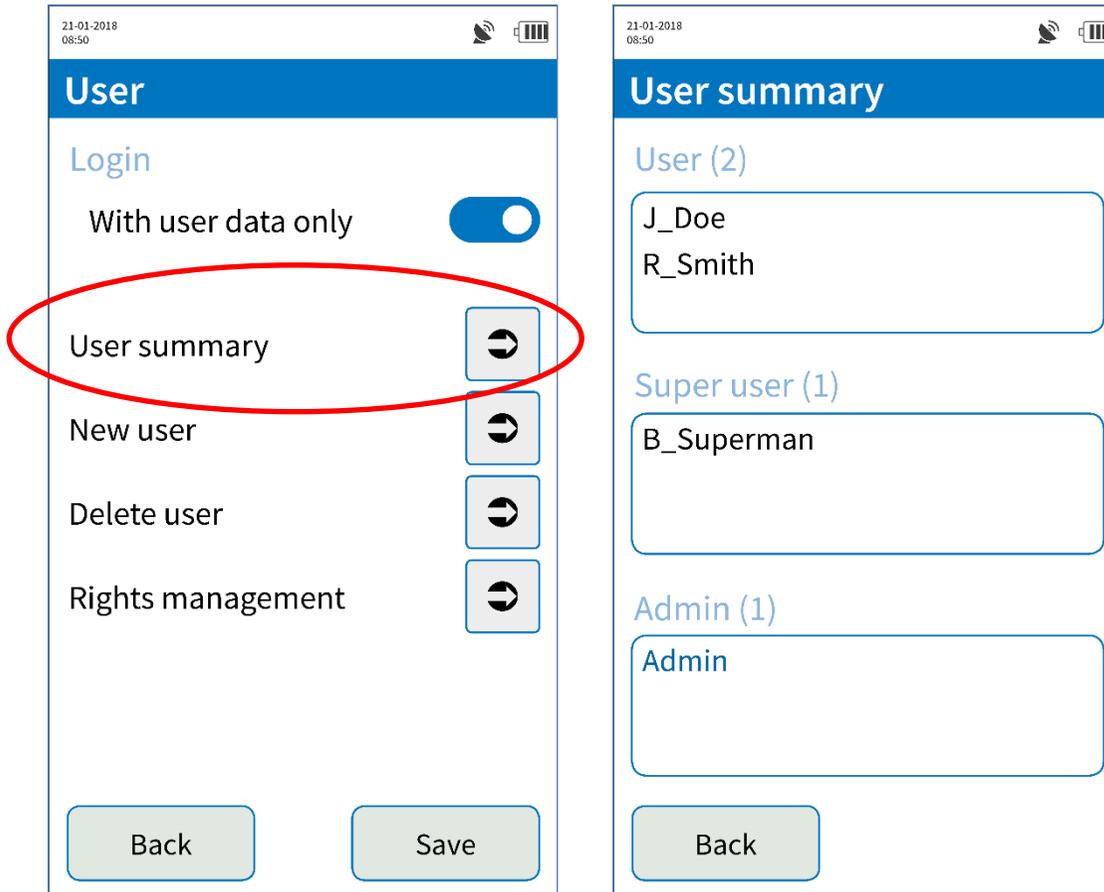- Administrators can grant **other users individual rights** and create new users.

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User management

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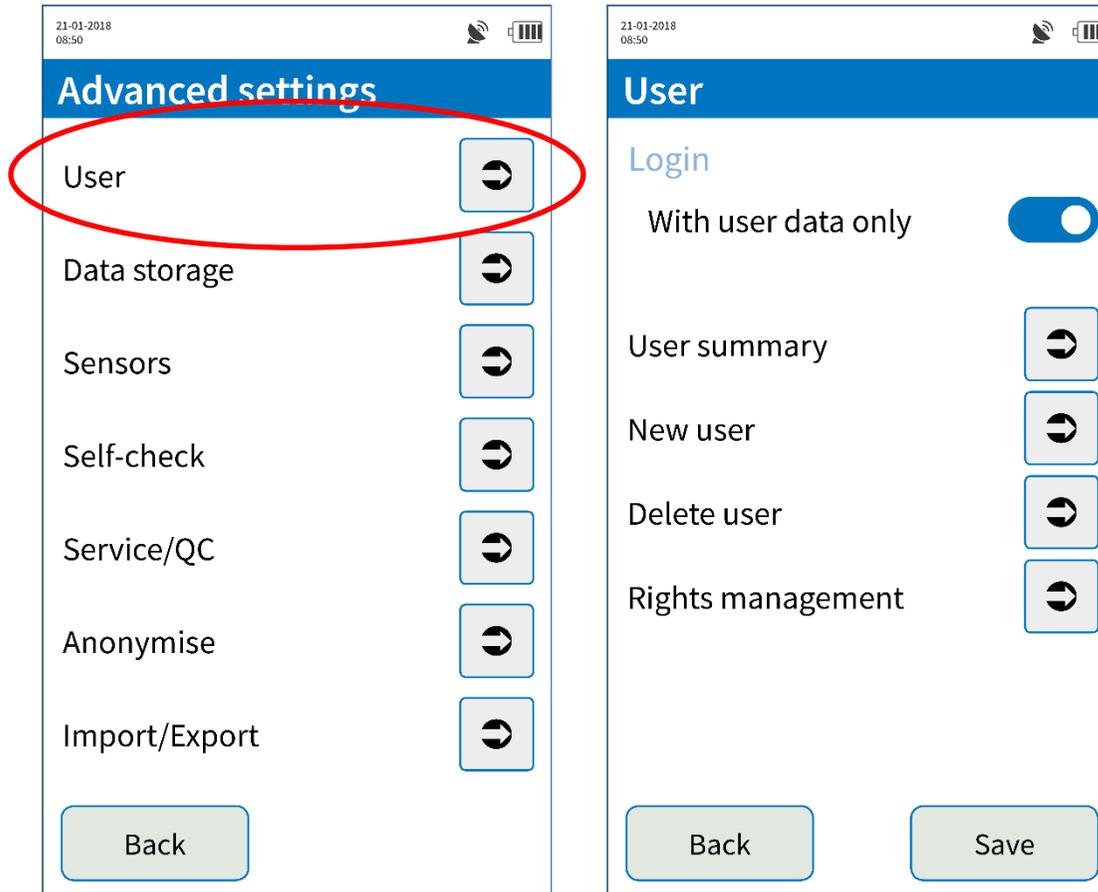
- Login – **With user data only** lets you **disable the default user**.

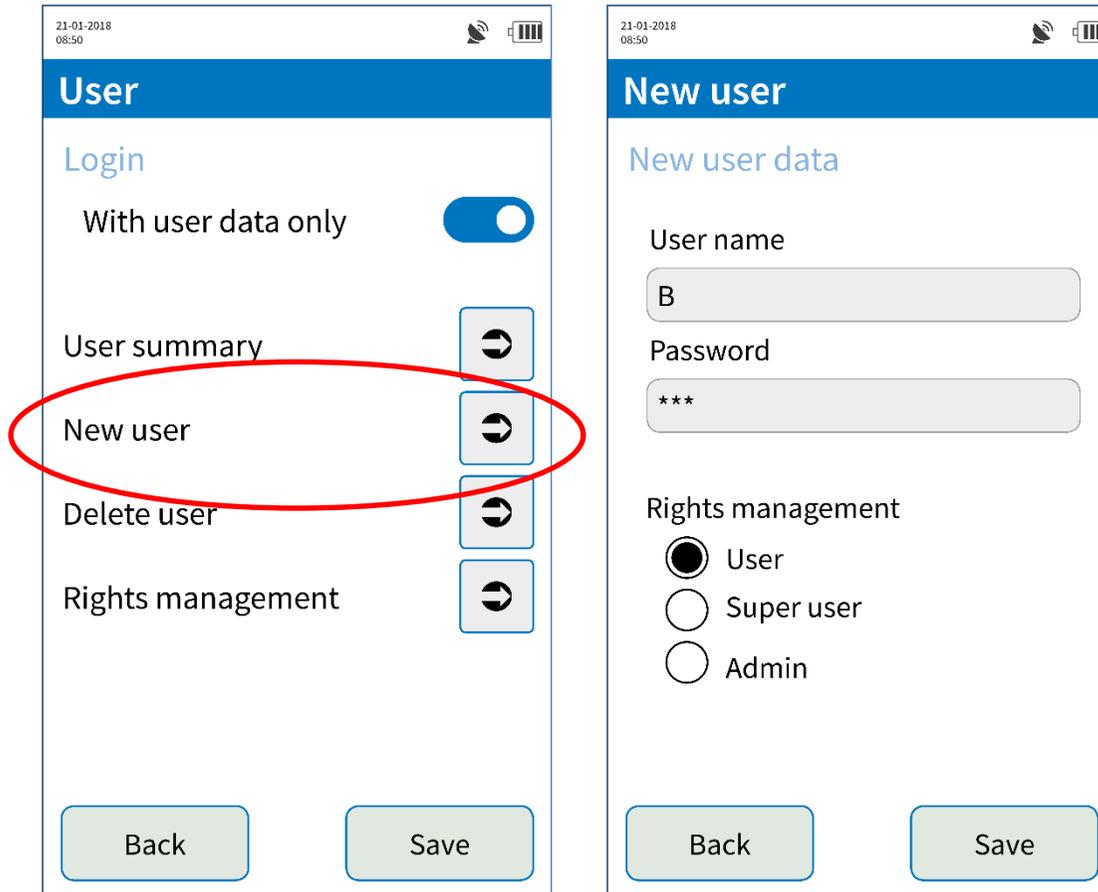- In this case, access to the device requires the **unique user ID**.

we detect to protect

User management

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- **User summary** lets you view the currently **stored users**.

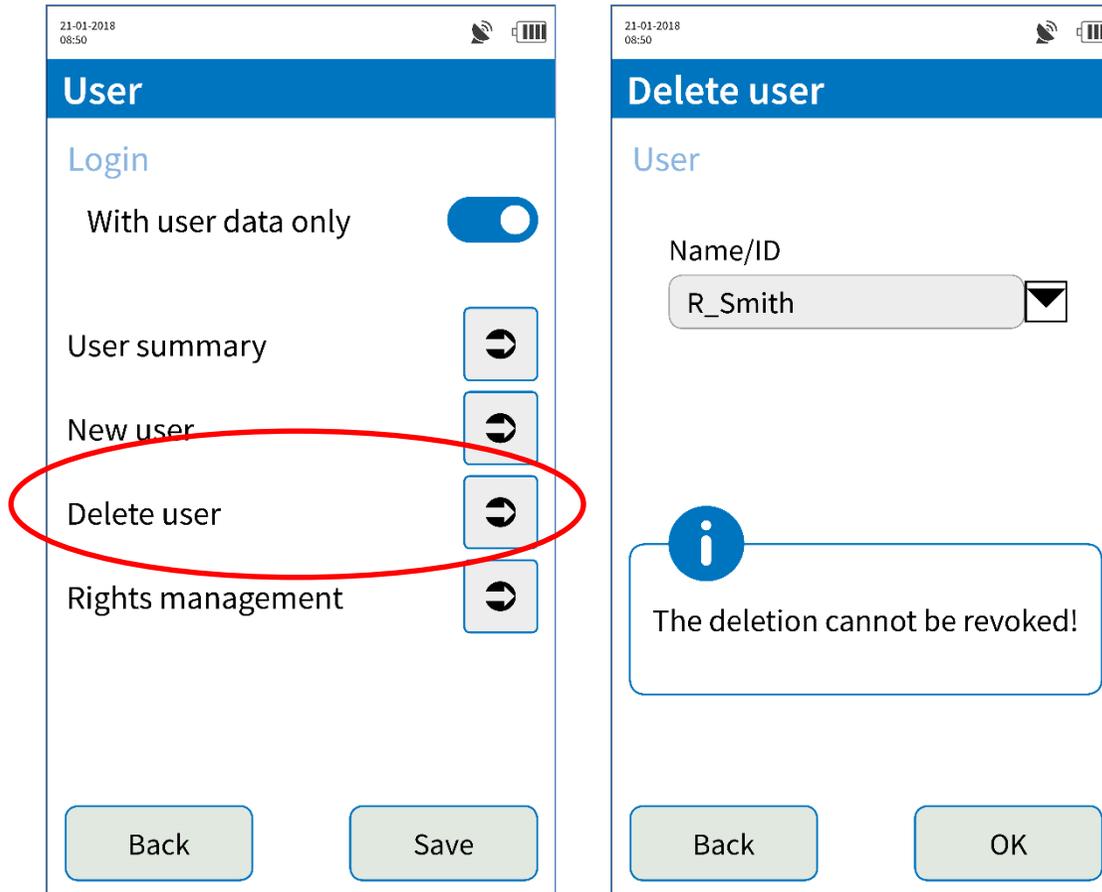- The **administrator** can define two user levels: **User** and **Super user**.

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User management

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- **New user** lets you create a **new user profile**.

- **Rights management** lets you define the **user group**.
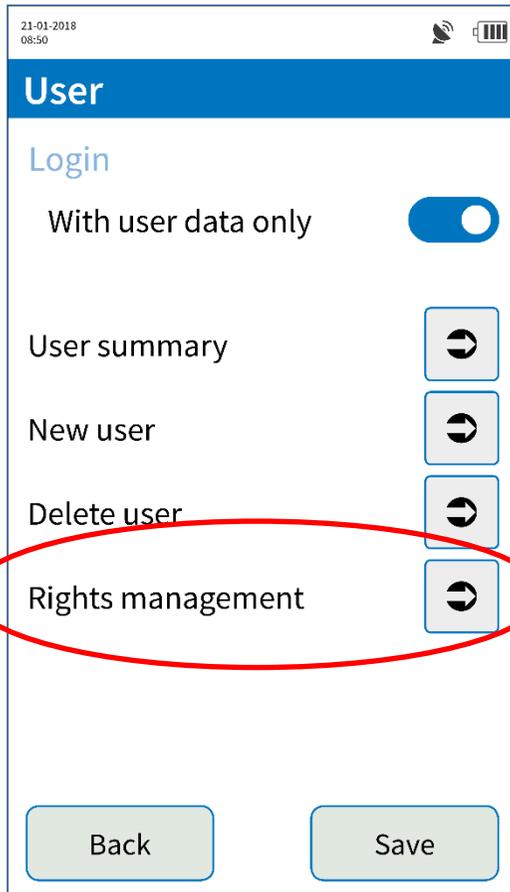
we detect to protect

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- **Deletion** of a user **cannot be undone**.

- The **data** entered for the deleted user are **retained**.

we detect to protect

# User management

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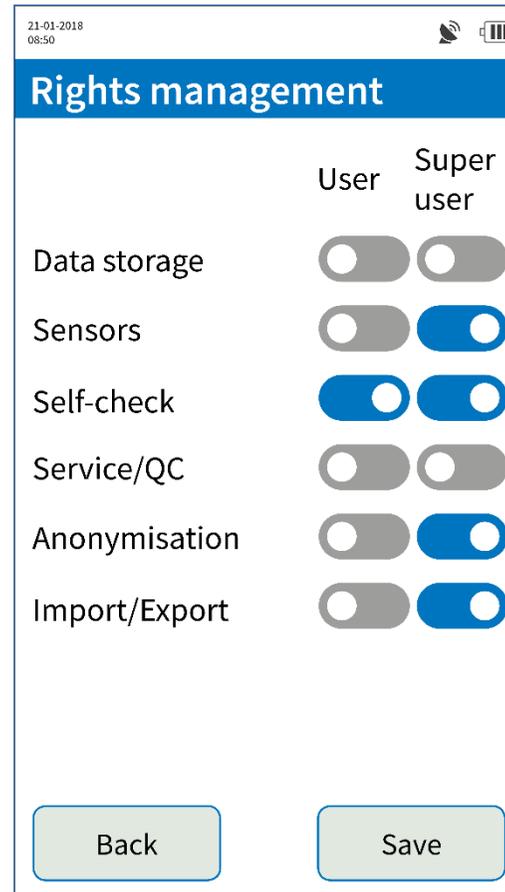
- **Rights management** lets you define the **changes** that can be made to **users** and **super users**.

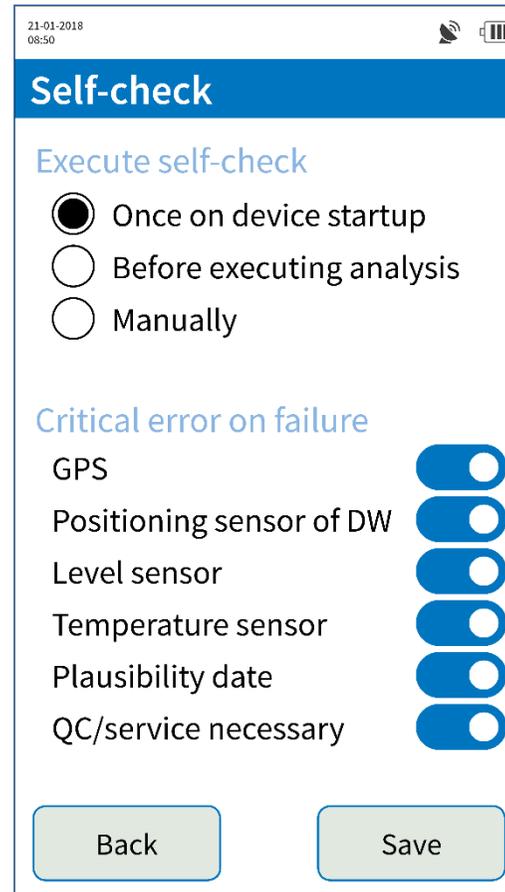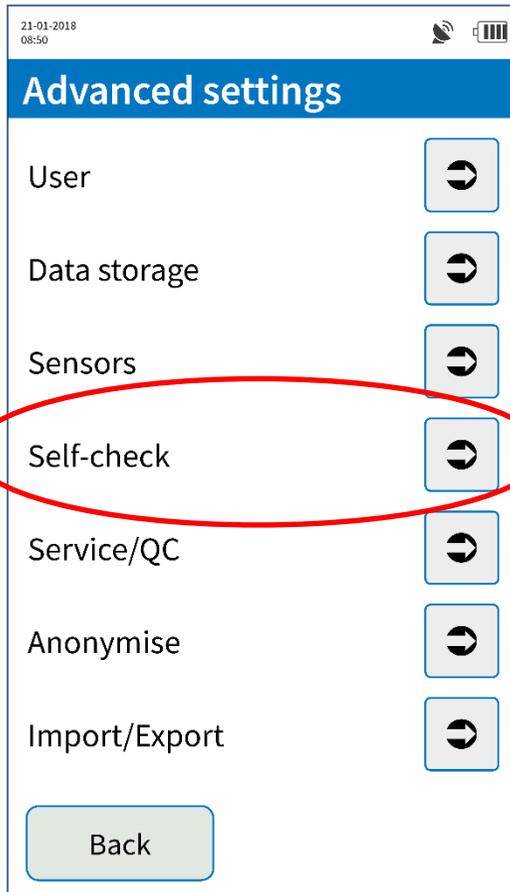- Generally, **administrator rights** are **never restricted**.

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Record

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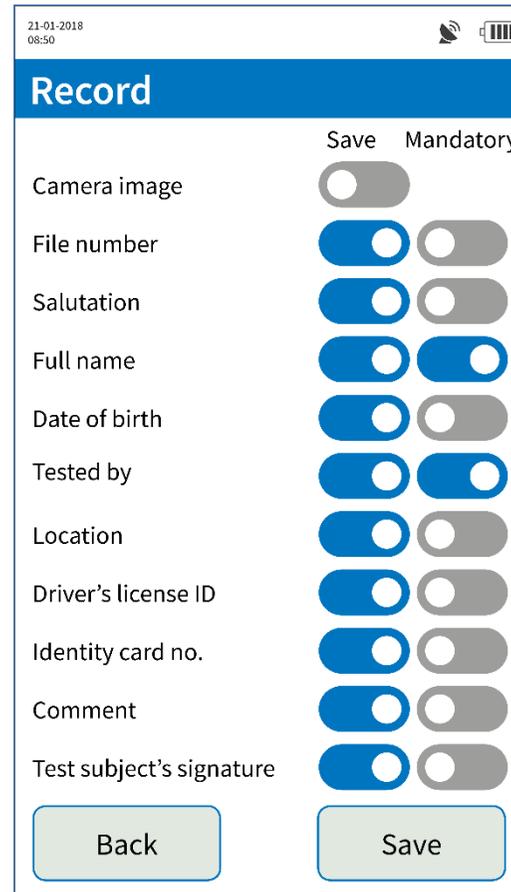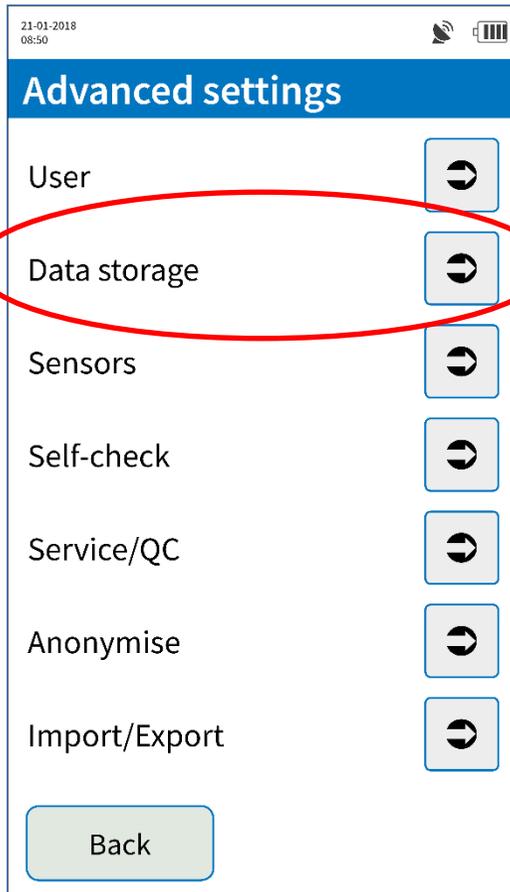
- **Record** lets you define the **data** entries that are **mandatory** or **optional**.

- **Disabled** fields are **greyed out** during input.

- Either **Name** or **Drivers license ID** or **Identity card no.** must be a **mandatory field**.

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Sensors

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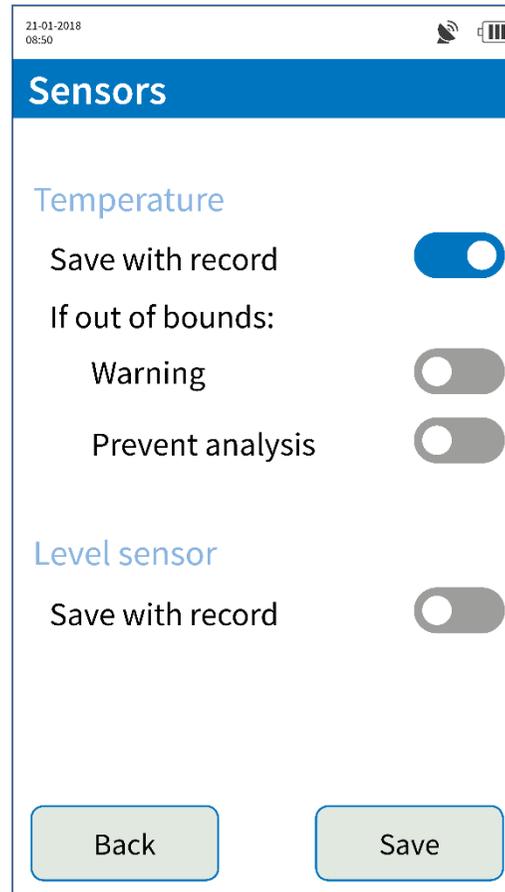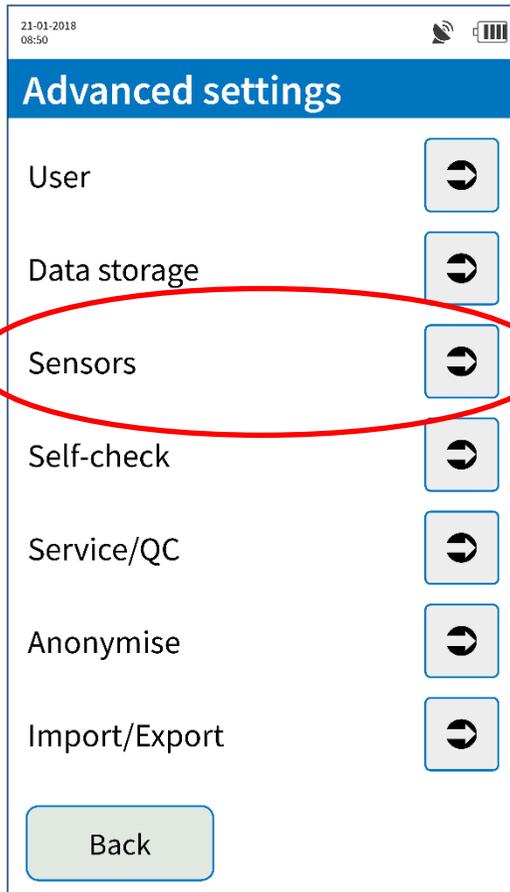
- The current **temperature** and **details** about the correct **level** can be **stored** with every **record**.

- If the temperature is **outside** the permitted range, the system can issue a **warning** or the test can be **disallowed**.

we detect to protect

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Advanced settings

21-01-2018
08:50

- User
- Data storage
- Sensors
- Self-check
- Service/QC
- Anonymise
- Import/Export

Back

Self-check

21-01-2018
08:50

Execute self-check

- ● Once on device startup
- ○ Before executing analysis
- ○ Manually

Critical error on failure

- GPS
- Positioning sensor of DW
- Level sensor
- Temperature sensor
- Plausibility date
- QC/service necessary

Back   Save

- 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.

- Errors that **prevent** measurement are always **critical**.

we detect to protect

Service/QC tests
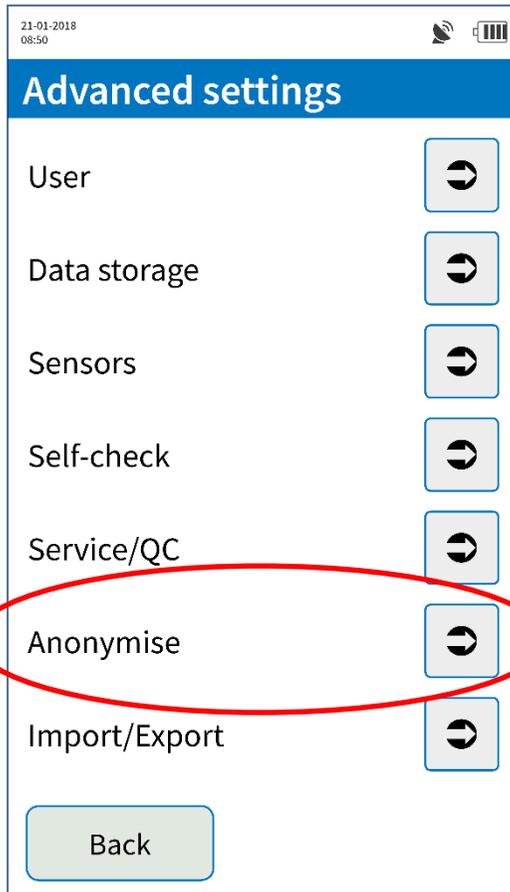
SECURETEC
DETEKTIONS-SYSTEME AG
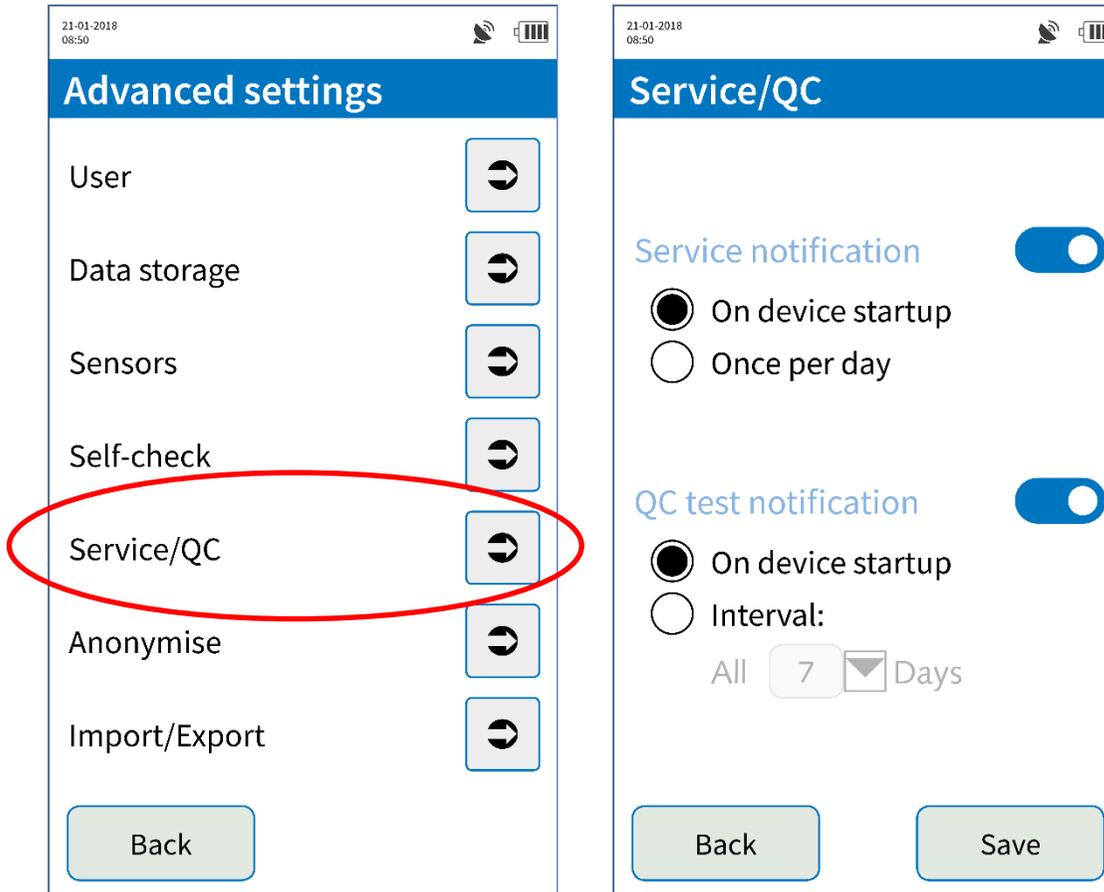
- **Notifications** that **service** or **QC test** is due can be **disabled**.

- **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**).
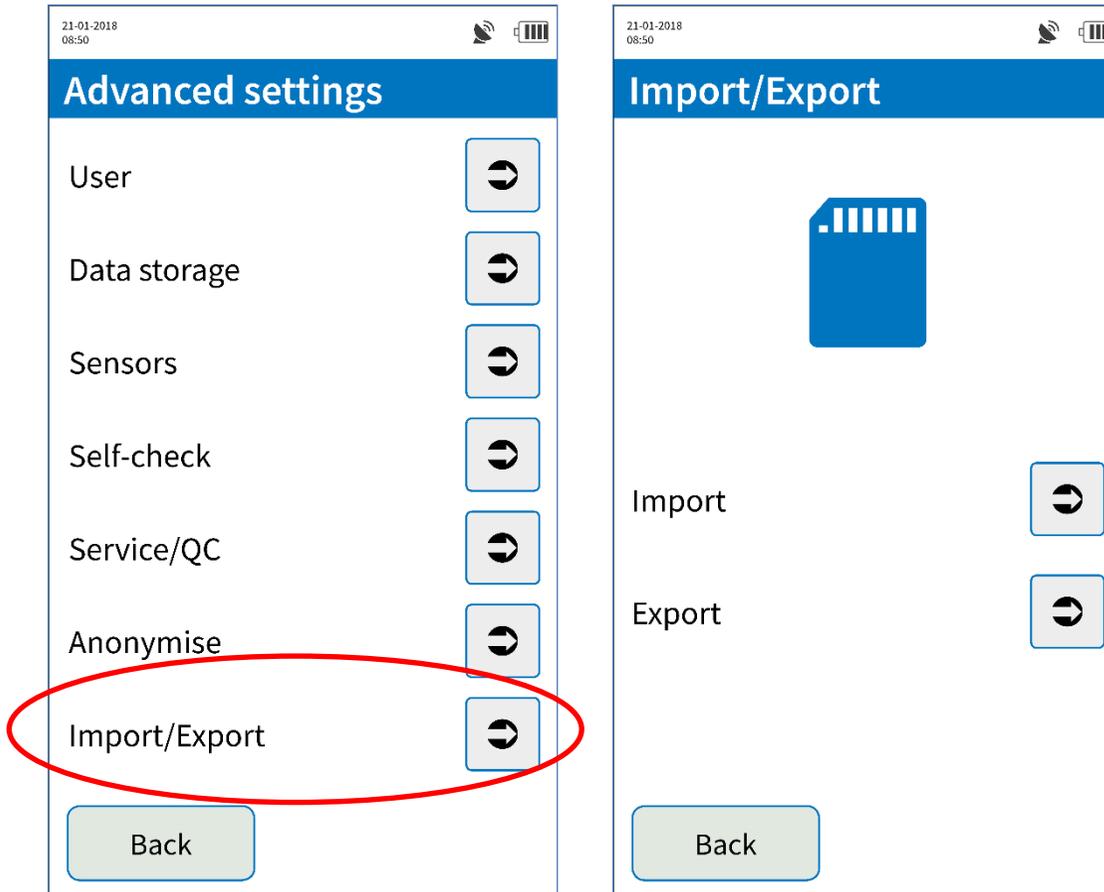
we detect to protect

Anonymise
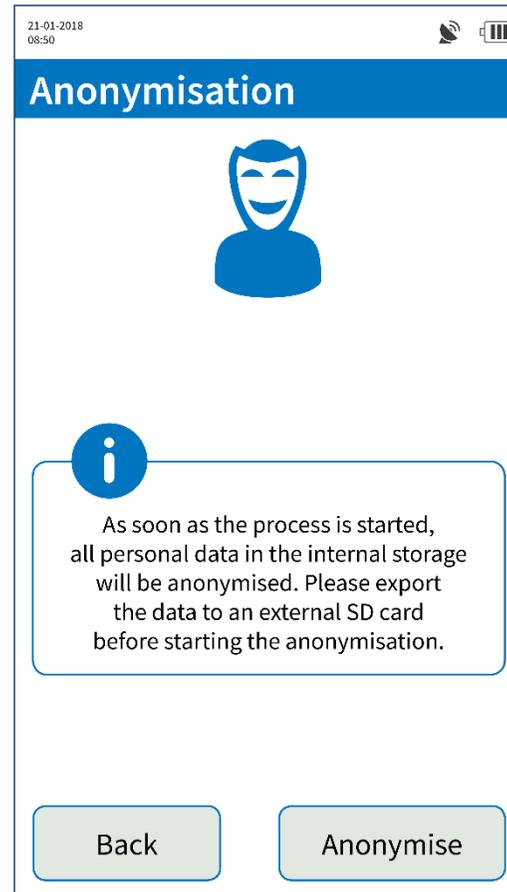
- **Anonymise** will **irreversibly delete** all **personal data** from the device's **internal** memory.

- The (anonymised) **measurement data** are **retained**.

- **Always anonymise** stored data before the device is transferred to **third parties** (privacy).

we detect to protect

Import/Export

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- 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).

we detect to protect

Data structure on the SD card

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

Device serial no.

Measurement 250

reader

...

...

...

1454958 3118 002
export.dbs
info 2018-11-20 17-35.txt
reader_1454958_3118002.log

Log file

Device info file

Can be read
with text editor

Data export
(proprietary database format,
can be read via WipeAlyser –> Import)

measGroup_250
measGroup_251
measGroup_252
measGroup_253
measGroup_254
measGroup_255
measGroup_256

...

...

...

Fullimage1_0.bmp

we detect to protect

WipeAlyser Training

Part 4: DATA MANAGER software

How to install the software
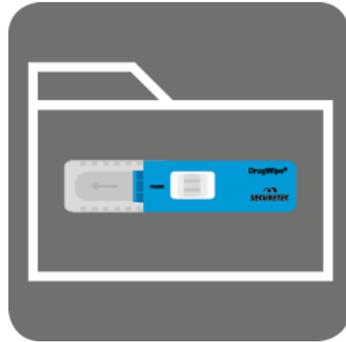
Desktop icon

- 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**.

we detect to protect
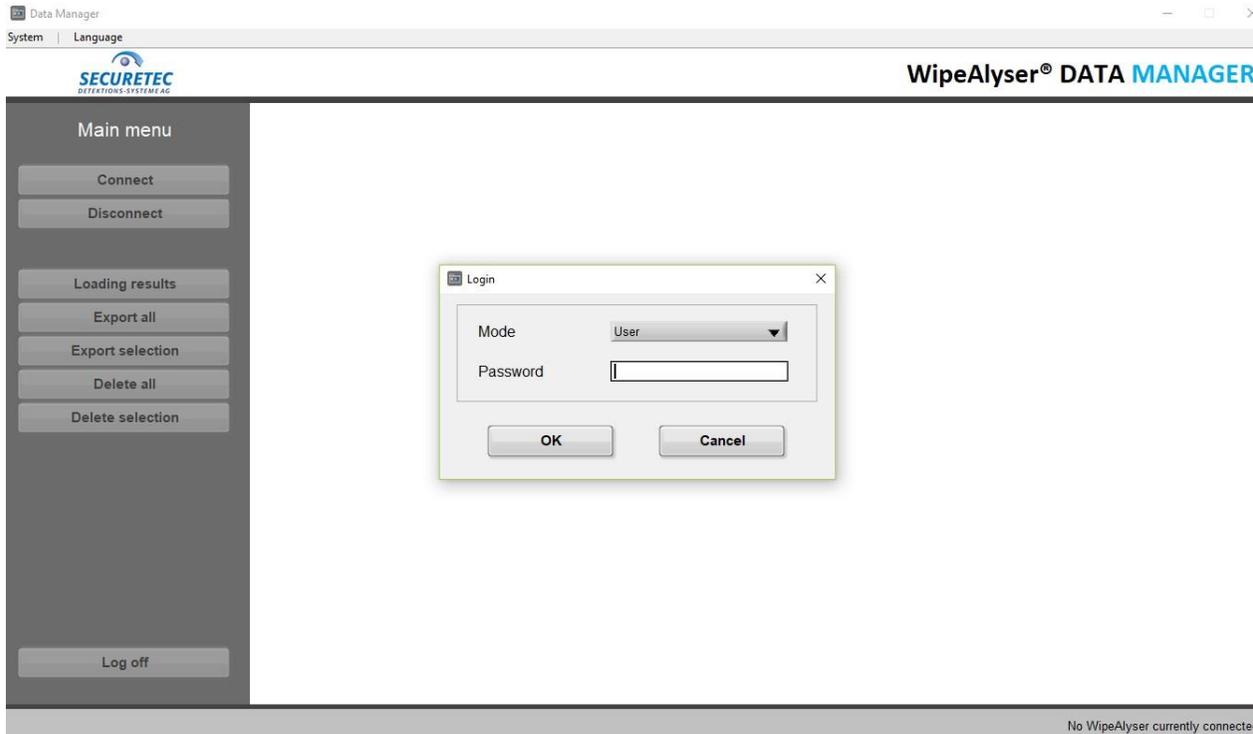
Login

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

we detect to protect

Change password

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

we detect to protect

Change password

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

we detect to protect
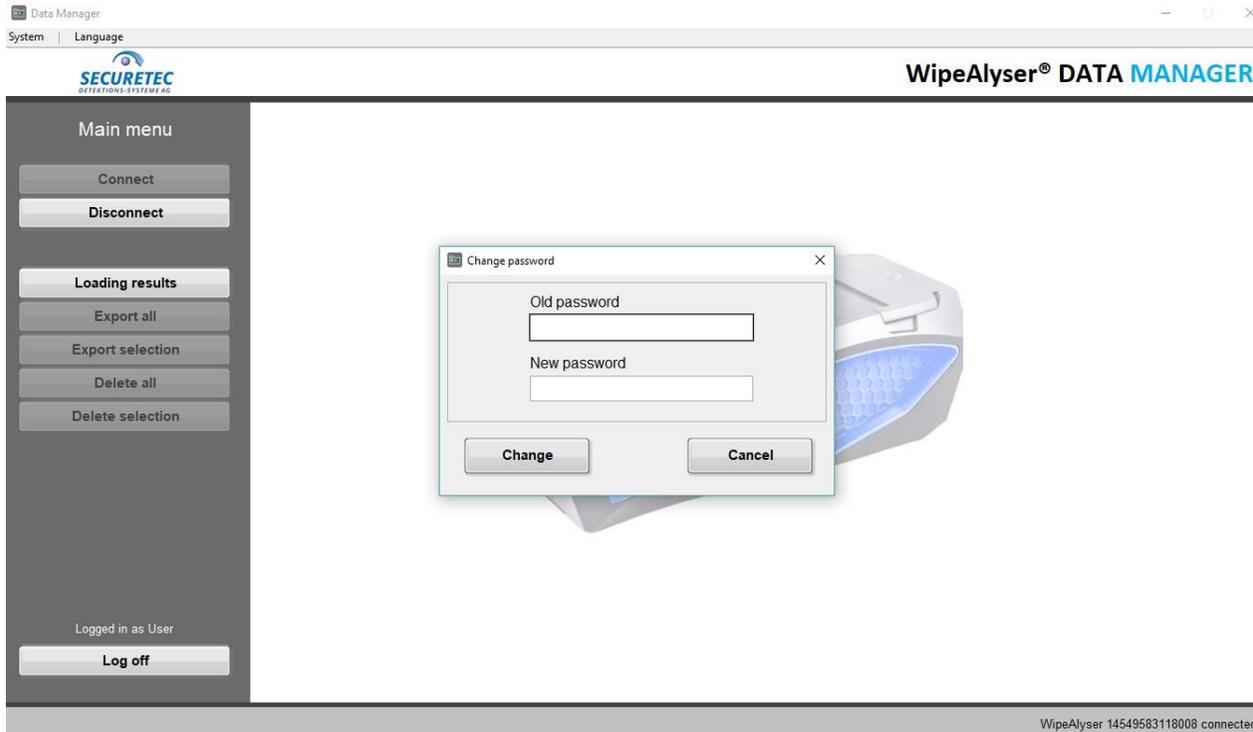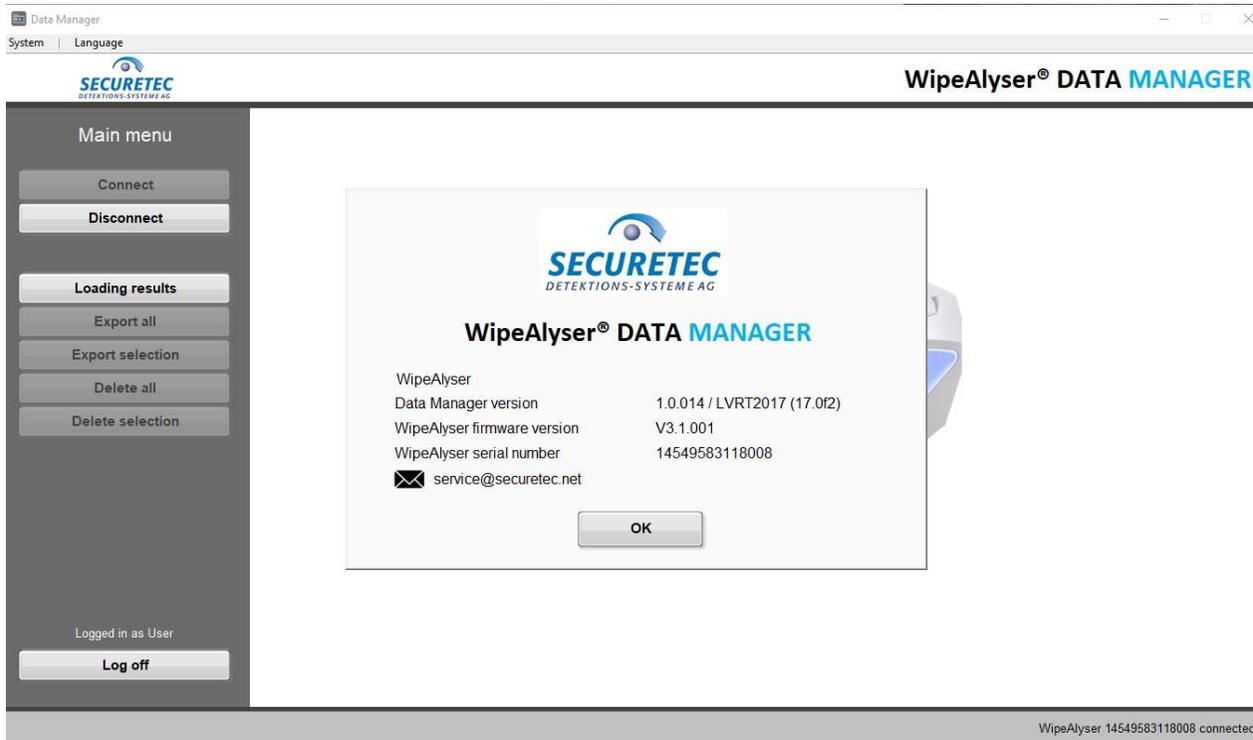
- **System** – **Info** shows information about the system.

we detect to protect

How to set the language

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

we detect to protect

How to connect WipeAlyser

WipeAlyser detected
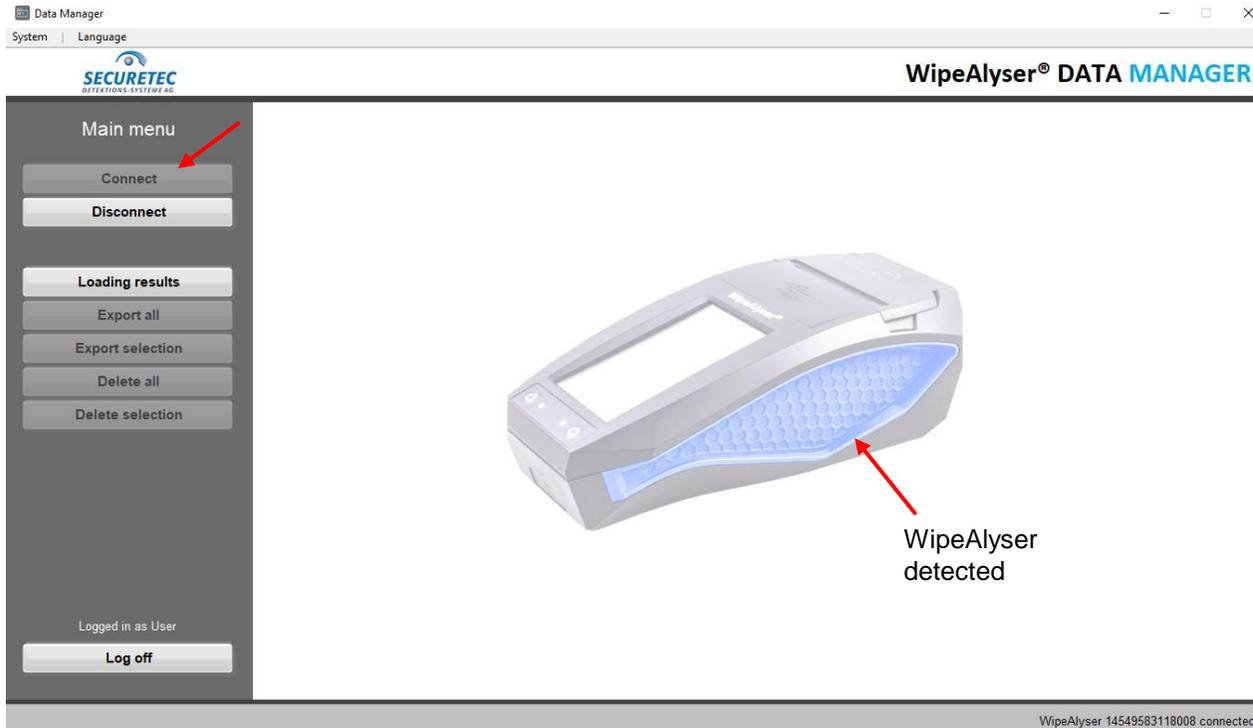
- Click **Connect** to connect the WipeAlyser to the software.

- After **successful** connection, the **device appears** in the window.

we detect to protect

Loading results

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

we detect to protect

How to select data

- 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.

we detect to protect

How to transfer data

- **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**.

we detect to protect

How to select data

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

we detect to protect

How to select data

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

we detect to protect

WipeAlyser Training

Part 5:

Information for partner distributors

Device shipments
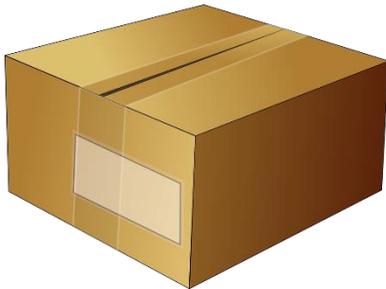
- Make sure the packaging is **shock-proof**.

- 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.

we detect to protect

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Partner:
- Visual inspection
- Cleaning
- Perform QC tests

Inspection not passed:
Contact Securetec

No concerns:
Return to customer

Remote maintenance session via Teamviewer as needed

Problem solved

Problem persists:
Send to Securetec

we detect to protect
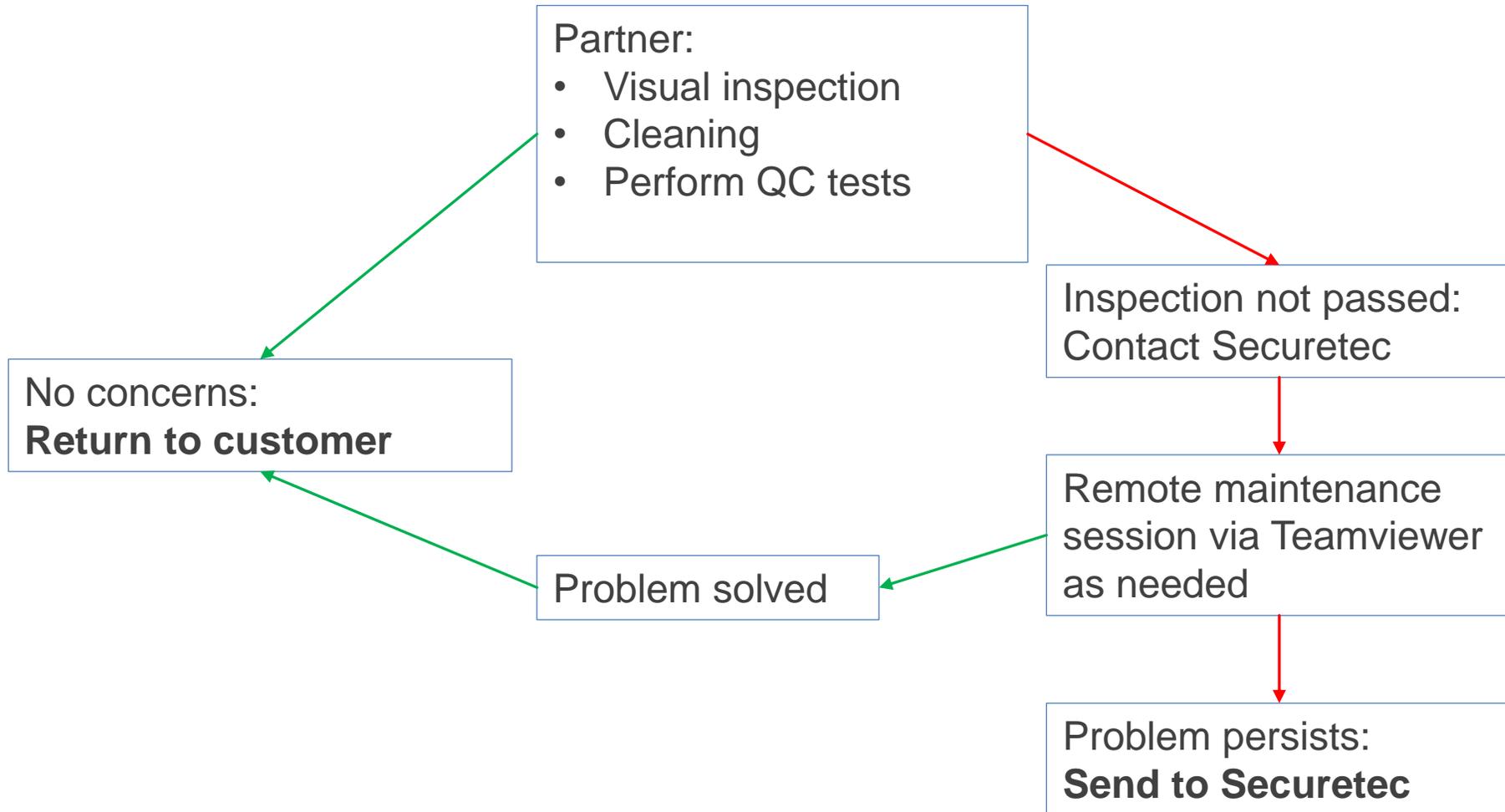
Firmware updates

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*

  Phone: +49 89 203080 1667

  E-mail: hoffmann@securetec.net

we detect to protect

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
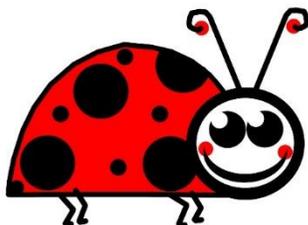
we detect to protect

Thank you for your time.

Contact

Max Mustermann
position

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