



KERN & Sohn GmbH

Ziegelei 1
D-72336 Balingen
E-Mail: info@kern-sohn.com

Tel: +49-[0]7433-9933-0
Fax: +49-[0]7433-9933-149
Internet: www.kern-sohn.com

Operating Instructions KERN EasyTouch

EasyTouch Difference User manual

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GB



Contents

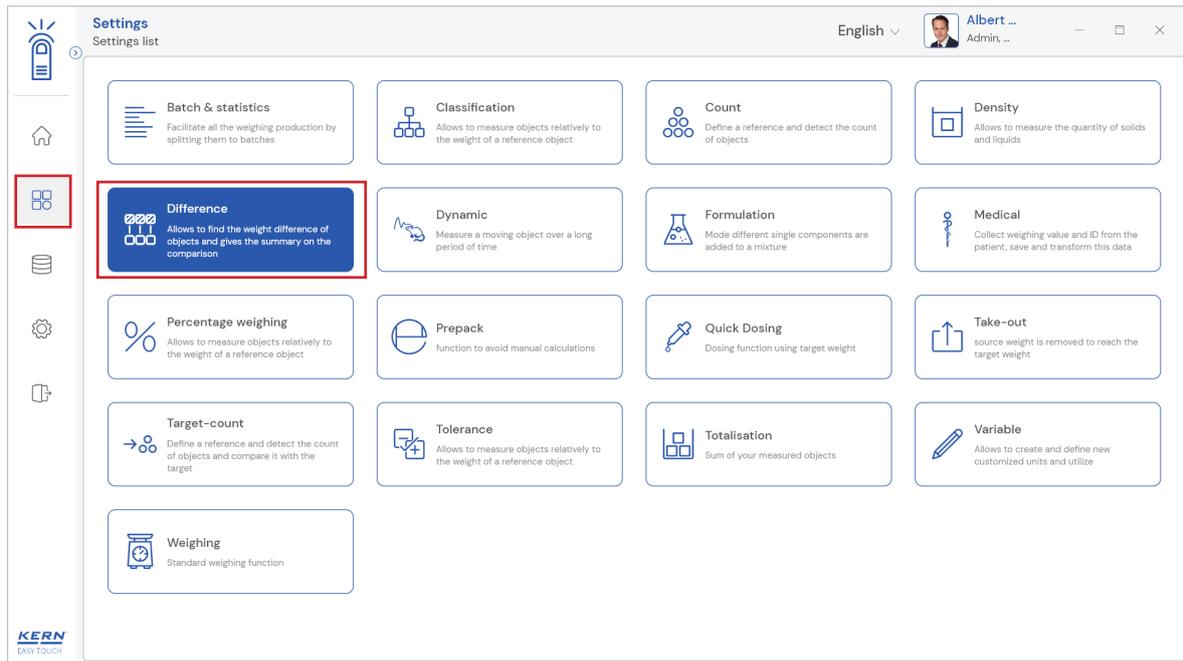
1.0 Introduction to difference function	3
2.0 Start new difference procedure	4
2.1 Define new procedure	4
2.1.1 Defining the tare	5
2.1.2 Measuring the tare weight	7
2.2 Memory	10
2.2.1 Create a master object with difference procedure properties	10
3.0 Connecting a weighing scale	14
4.0 Difference measurement properties	14
4.1 Functional features	14
4.2 Weighing and storing of samples (1st sequence measurement)	18
4.2.1 Continue measurement of filled containers	19
4.2.2 Resume to weigh filled containers later	20
4.3 Weighing and storing of samples (2nd sequence measurement)	21
4.3.1 Continue measurement of filled containers	21
4.3.2 Pause now and resume to weigh filled containers later	23
4.3.3 View analytics and finish	23
4.3.4 Enter additional data and print	28
5.0 Resume a procedure	29
6.0 Browse saved data	33
7.0 Dynamic data	35
7.1 Chart	36
7.2 Additional data	37

1.0 Introduction to difference function

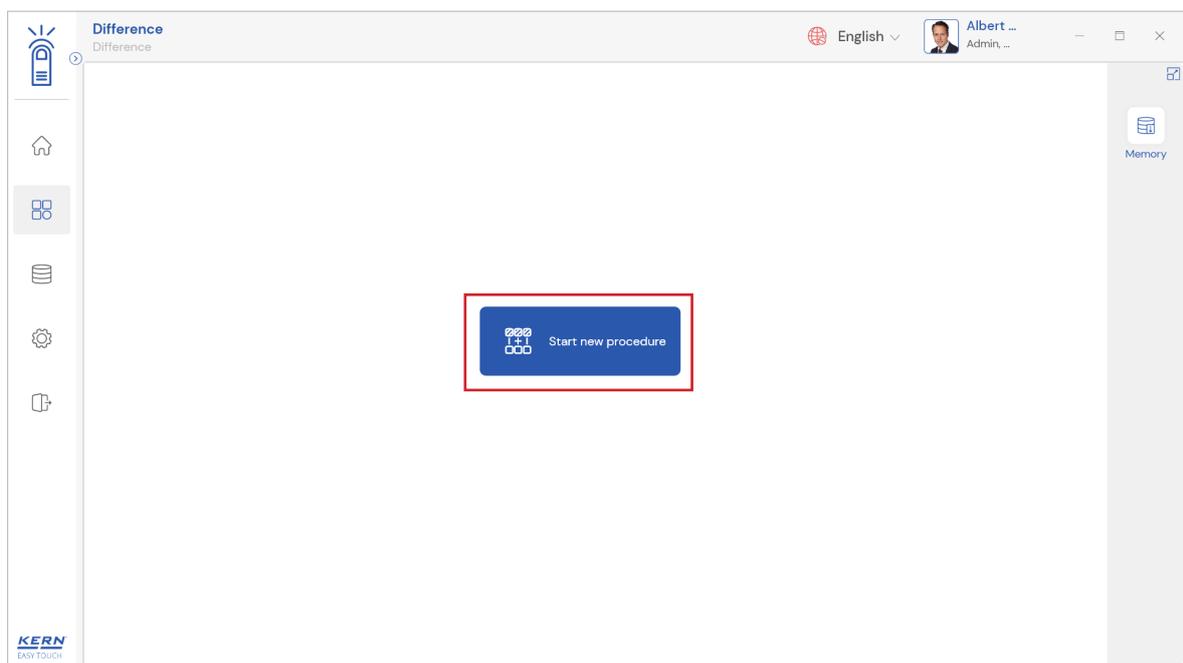
The difference weigh function shall allow the user to weigh and store the weighing data of the substance or objects. Later, the samples are measured again, and differences of weighing results are calculated and analyzed statistically.

The growth of a meat, physical formations of chemical components, or growth of cell cultures from a period of time to time can be found and stored in the software for industrial usage.

- Click on the function menu from the main wizard.
- The function list screen will appear. From the list of functions, click on the “difference” function.



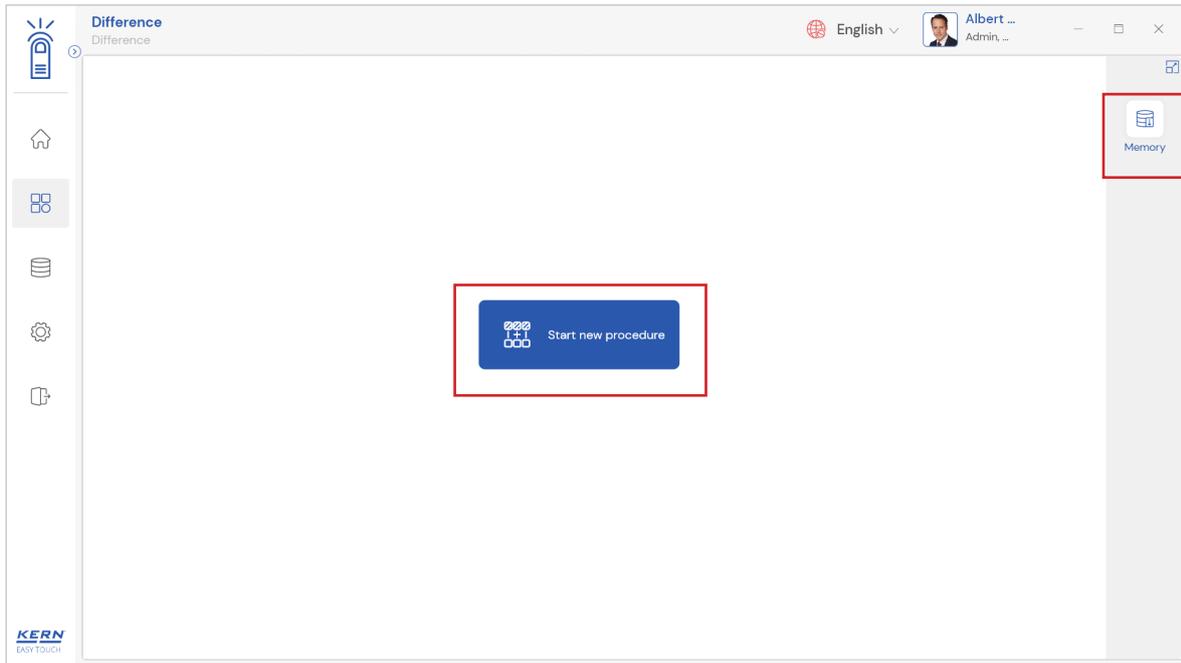
- The start screen for difference weighing screen appears, where you can start the new difference procedure.



English

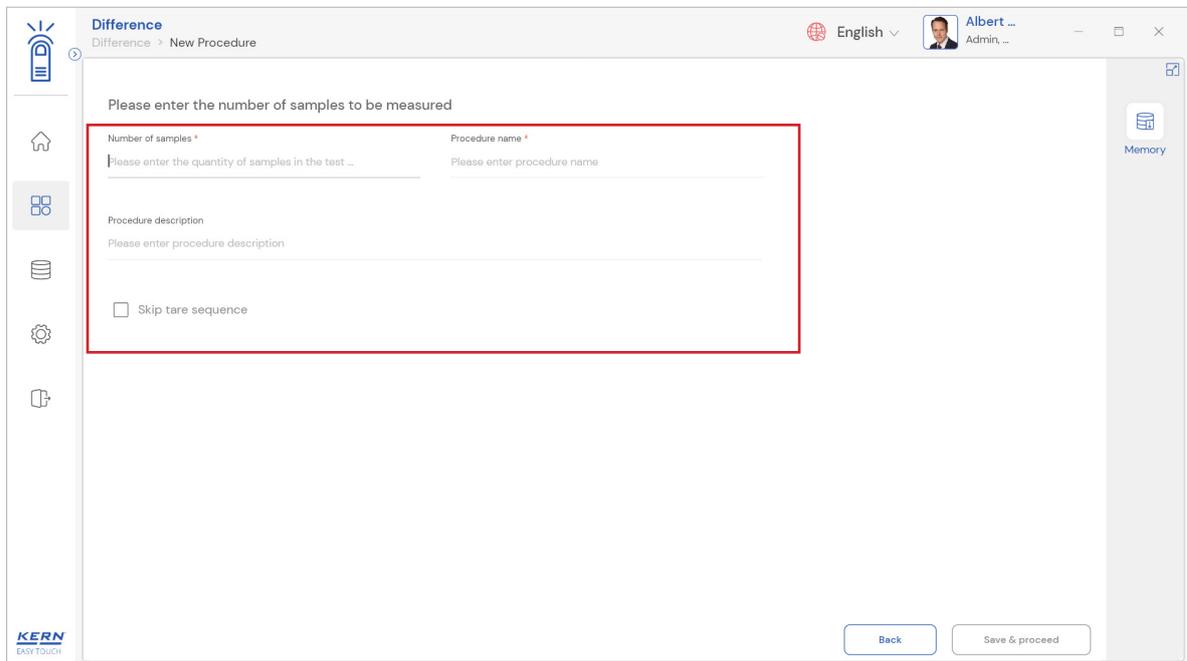
2.0 Start new difference procedure

Upon clicking on the difference weighing the screen appears which allows us to define the new difference procedure or allows the user to choose the weighing procedure from memory.



2.1 Define new procedure:

- Clicking on the “start new procedure” takes to the screen where you can define the following information.



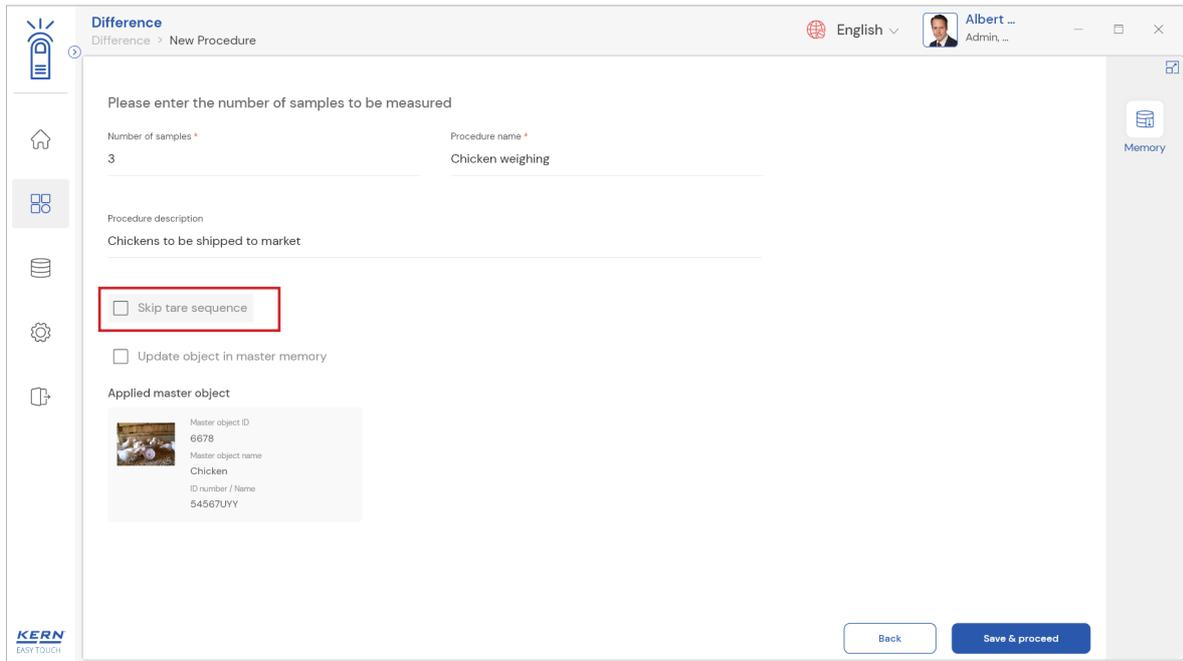
- **Number of samples:** The user can define the number of samples which has to be measured.
- **Procedure name:** The user can define the name of the procedure can be given. For example, the name of the object which you are measuring can be mentioned here.
- **Procedure description:** The user can enter the short description of the procedure which you are going to perform

English

2.1.1 Defining the tare

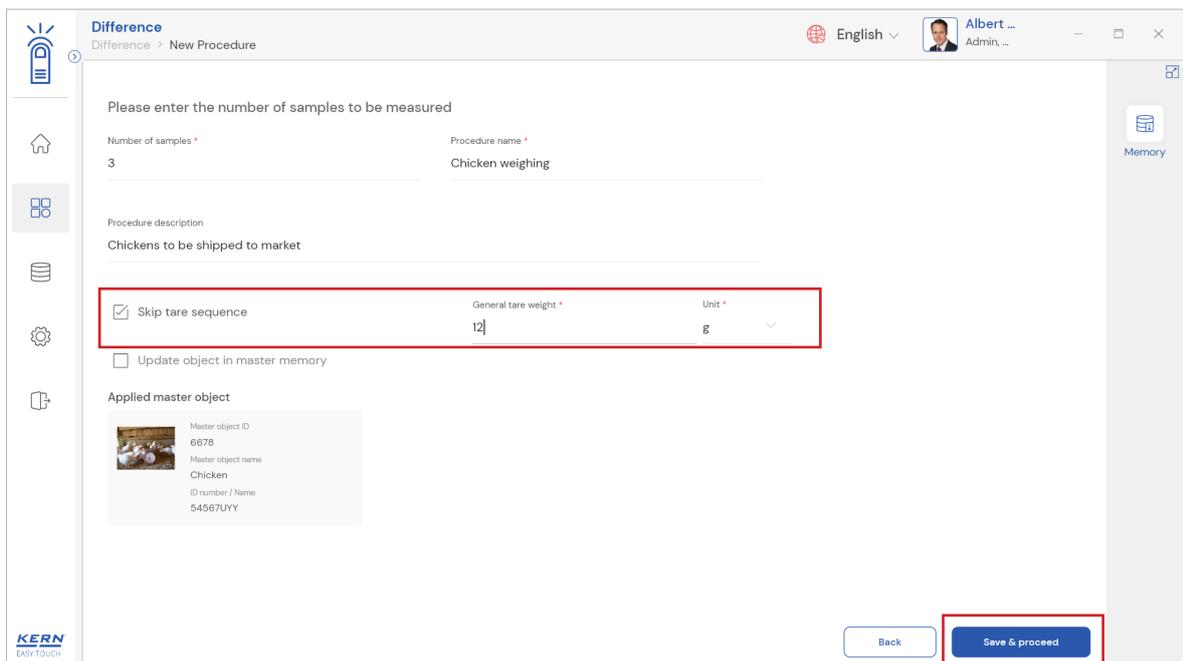
The user can define the tare the in two ways,

- **Enabling the option “skip tare sequence”**: The tare weight can be entered into the system in case if the tare weight is already known to the user and is similar
- **Disabling the option “skip tare sequence”**: The tare can be measured in case if the containers or the tare weight to be used for measuring the substance are not similar and unknown to the user prior.

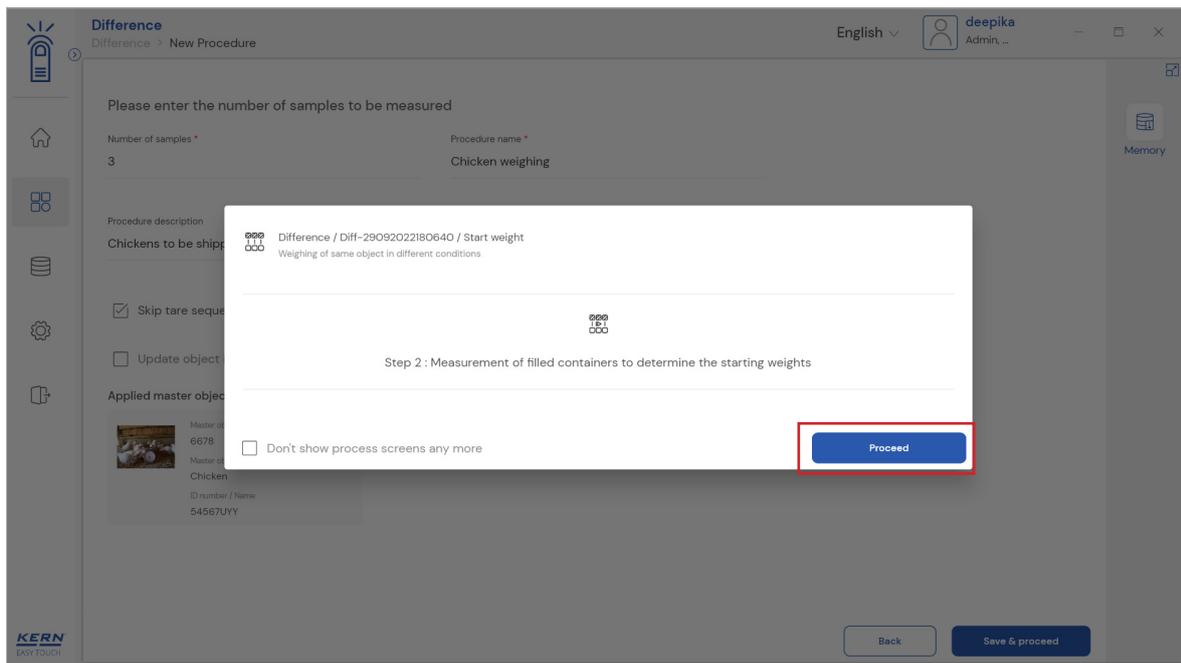


Skip tare sequence:

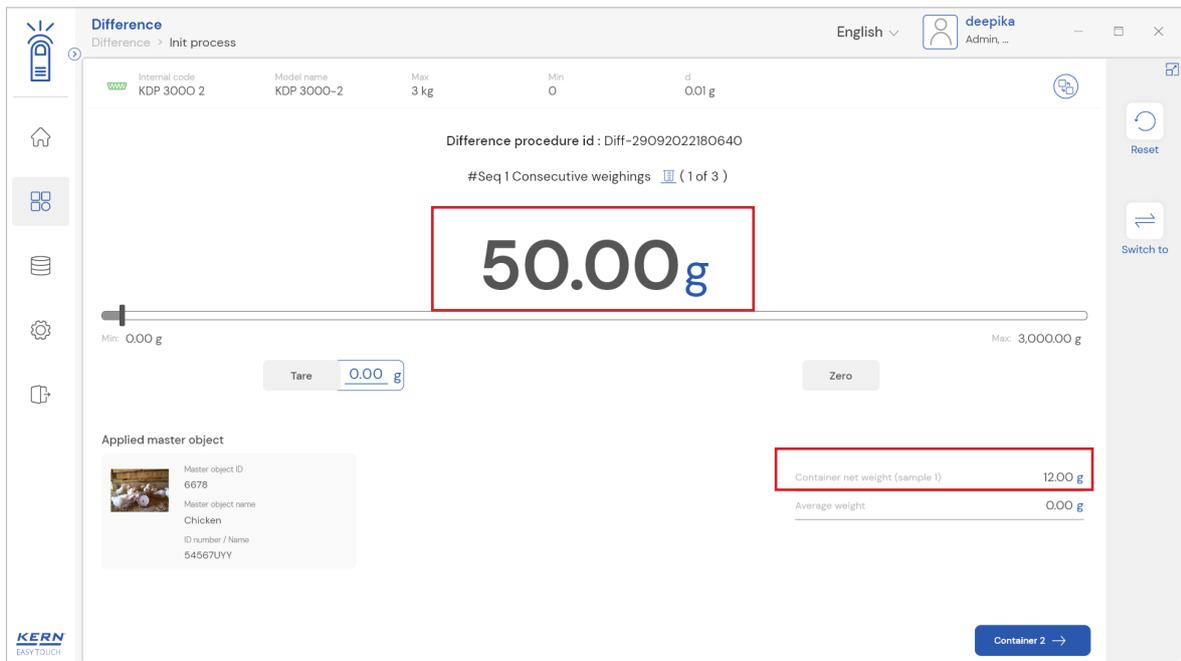
- If the tare weight is already known, then the user can enable the option “skip tare sequence” and enter the tare weight manually where in the case the container sed to measure the different substance or samples should be similar.



- Click on “save and proceed” and the below screen appears where the user is directed to weigh the filled containers
- Click on “proceed” to start the measurement of filled containers



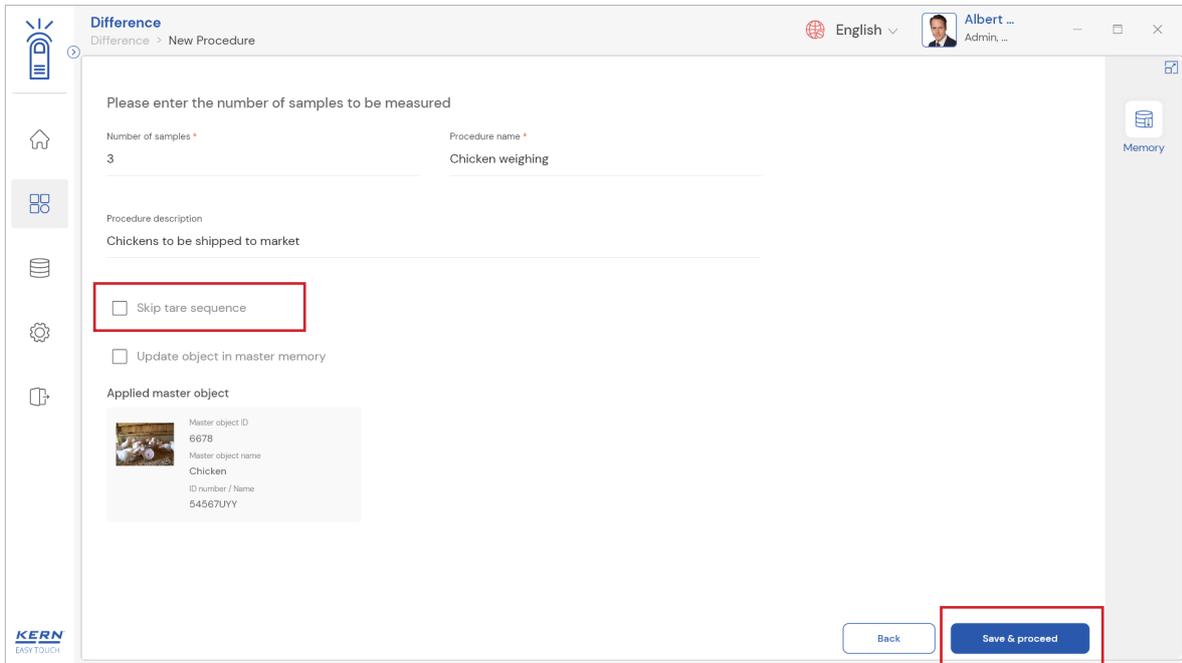
- Place the weight of the filled container with the substance what you’re going to measure and you could notice that the static tare weight which is been defined while creating the procedure is been reduced from the substance or sample placed on the weighing scale and only the weight of the substance is been displayed here
- Click on “container 2” and place the second substance and repeat the same steps to measure all the different substance.



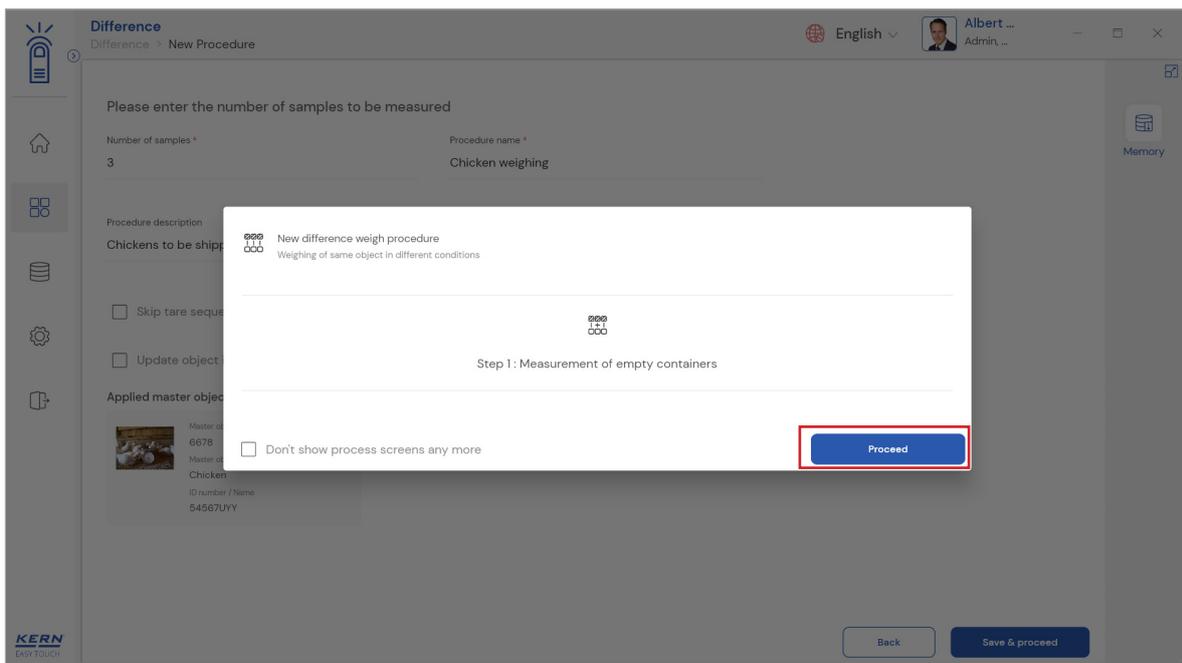
2.1.2 Measuring the tare weight

If the tare weight is unknown, the user can measure the tare weight, which is then used to place the weighing substance.

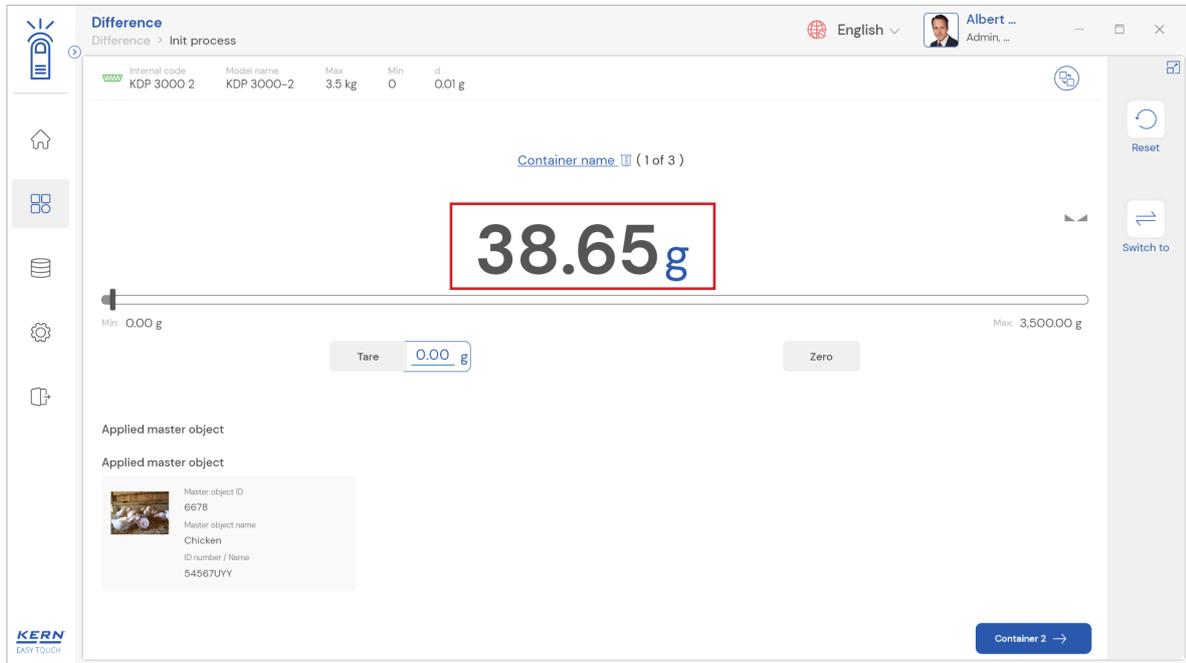
English



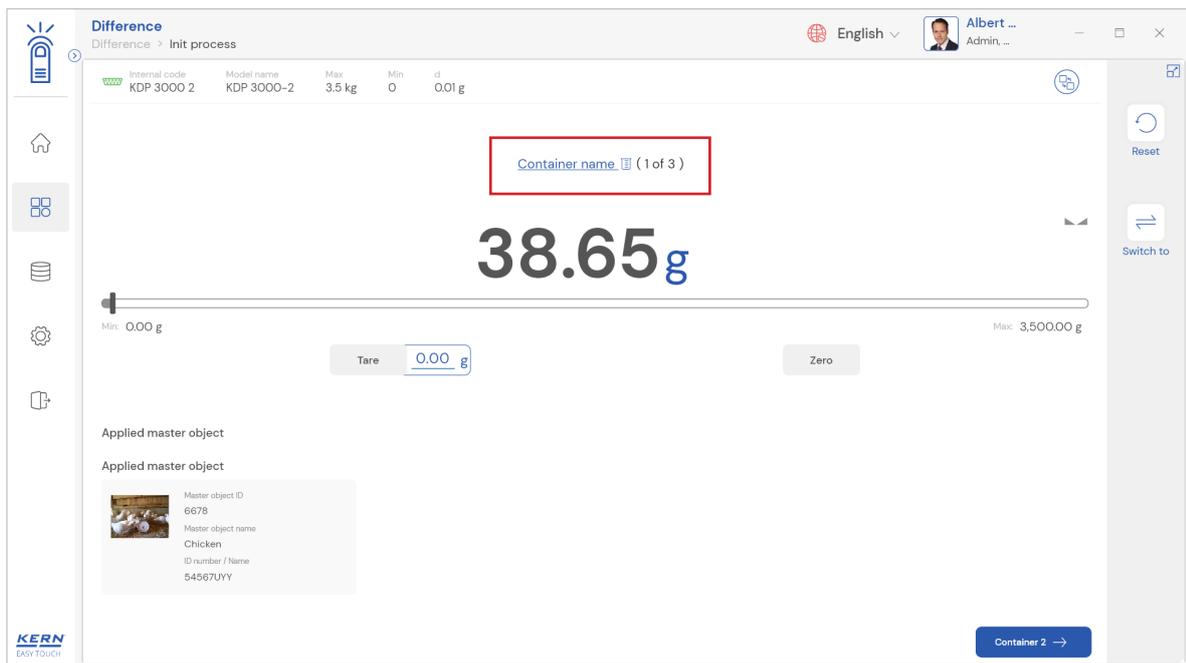
- Upon clicking on save and continuing without selecting the “skip tare sequence”, you will be taken to the screen where you can measure the empty containers.



- You will now be prompted to measure the empty containers. Clicking on “proceed” will redirect you to the dosing screen where you can measure your empty containers.



- Here the user can measure the weight of the empty container 1 and assign the name for the containers.
- Click on the container 2 and measure the weight of next empty container and repeat the same process to finish the measurement of containers.



2.2 Memory

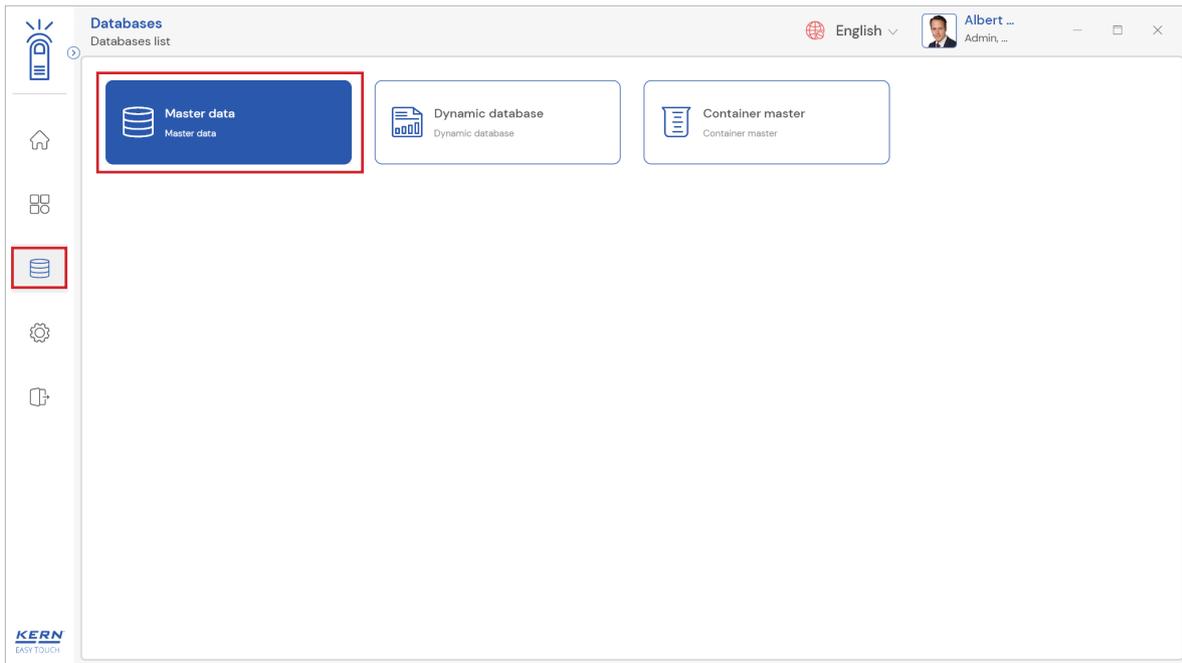
The user might be able to pick an object from the memory what the user is going to weigh. The user can predefine list of objects what might be used frequently. The purpose of master memory is to reuse the weighing object details in functions whenever is required.

2.2.1 Create a master object with difference procedure properties

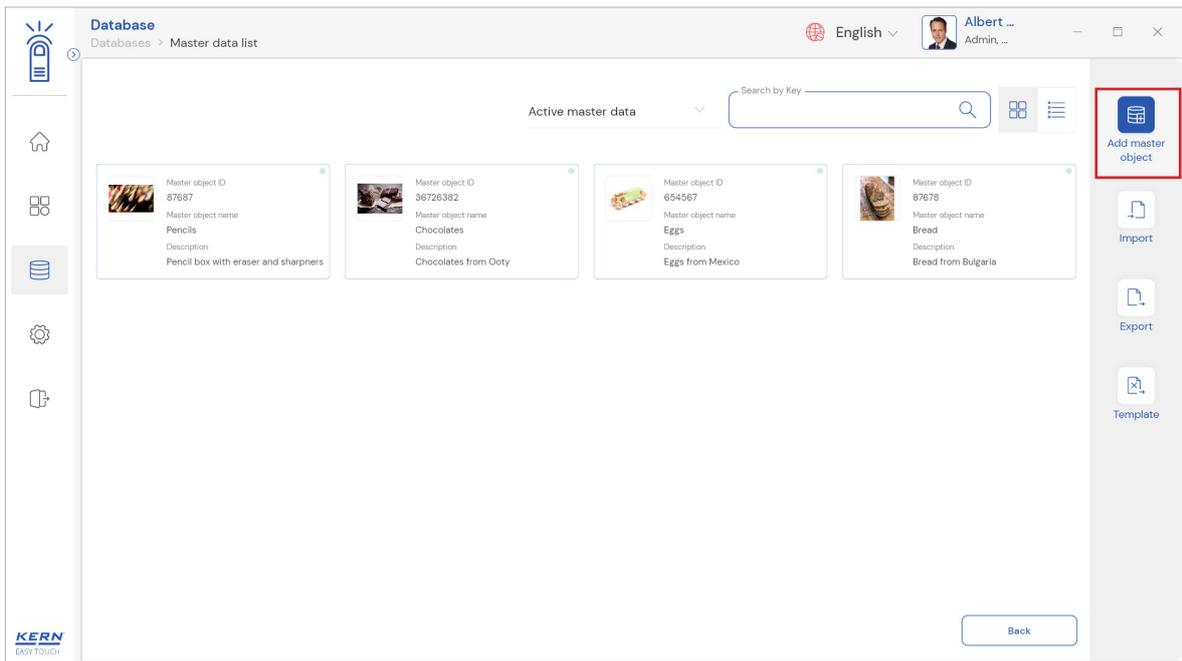
Steps to be followed to create a master data with functional properties

- Click the database icon from the main menu

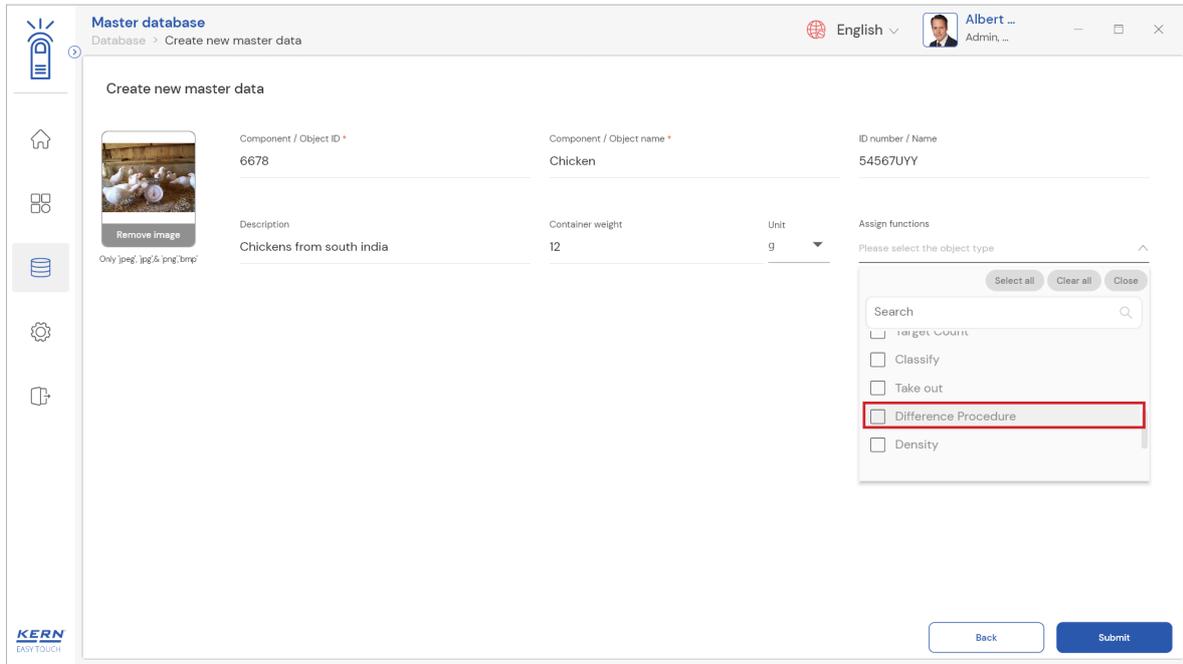
- The database list will be displayed and click on the “master database” from the list.



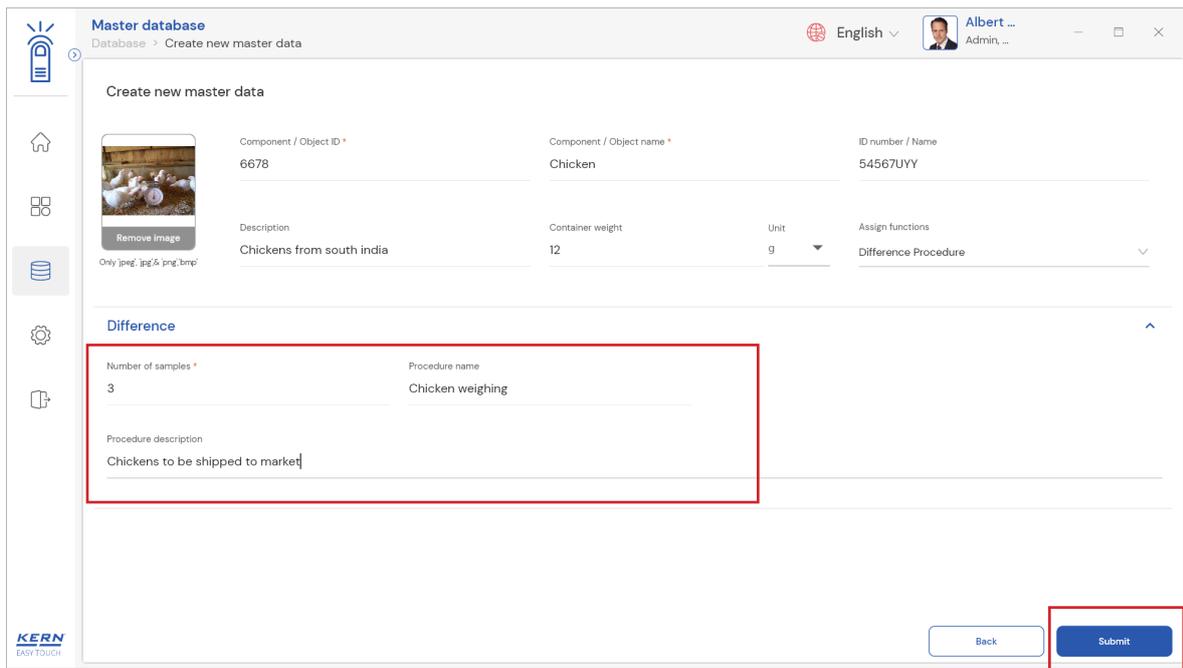
- The overview of the currently filed master data’s appears, by clicking on "add master object", the user can add a new master object with difference weighing and reuse it later in function if needed.



- The user can fill in the information as such component / object ID, component / object name, ID number / name, description, container weight and the image for the reference.
- When “difference weighing ” is selected from the drop down, the user can now enter the number of samples, procedure name and description.

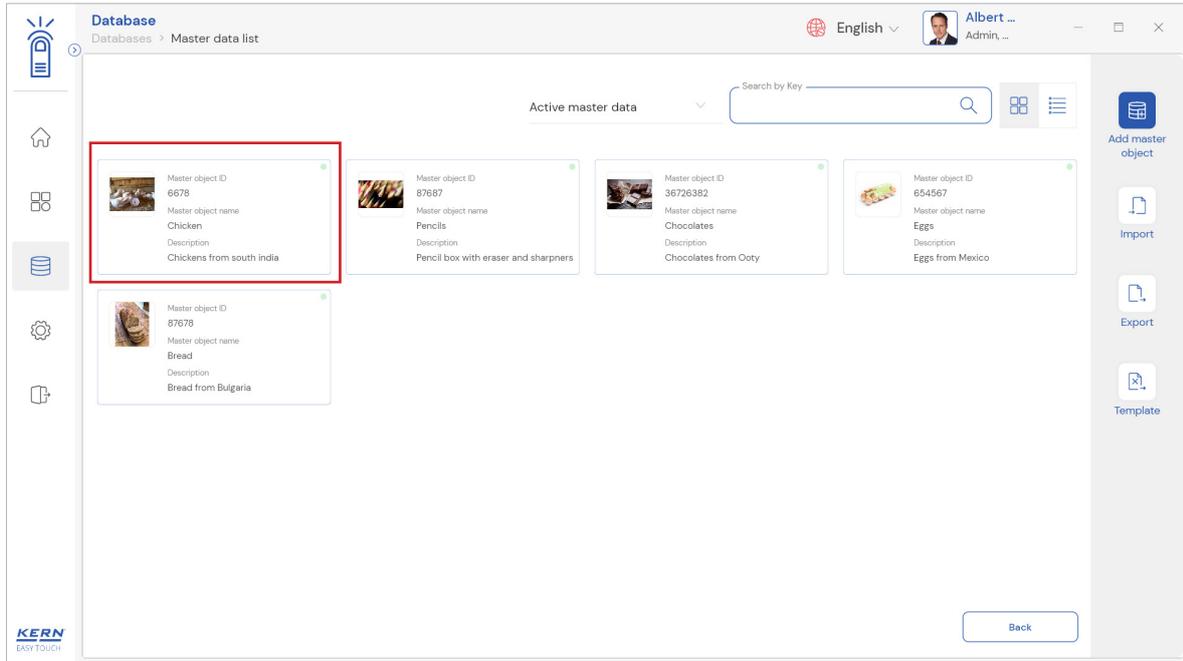


- Once the properties are assigned user can click on submit and save the newly created master objects along with properties of difference function and reuse it.



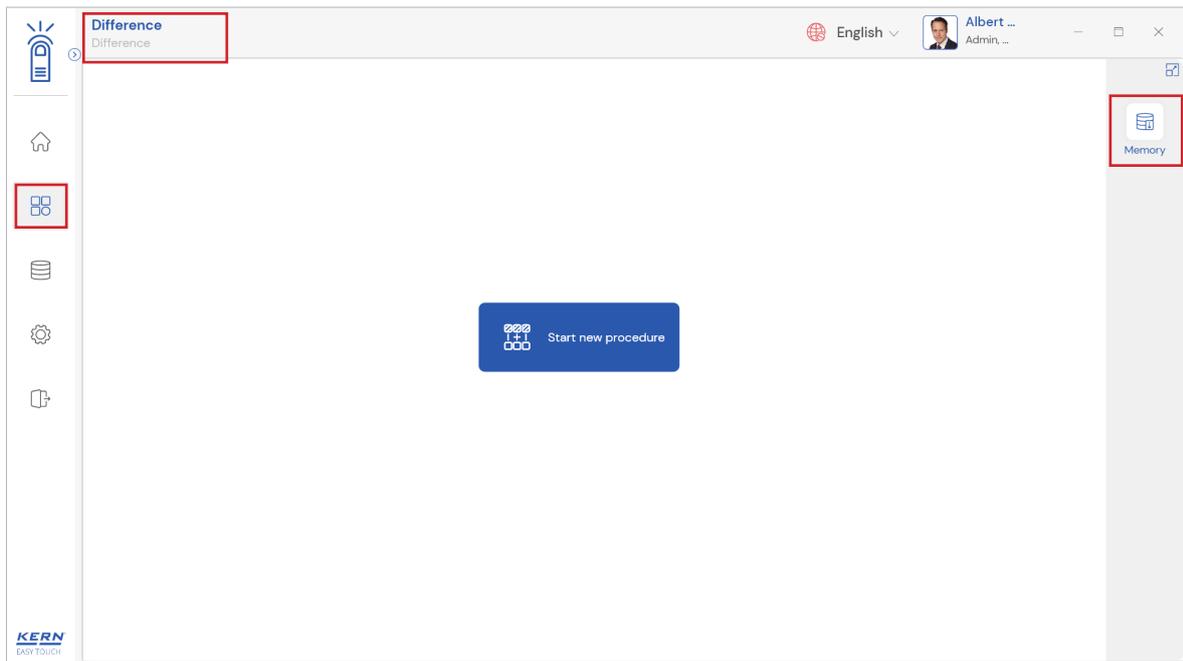
- Once the master object is saved you can view the master object in the master object list.

English

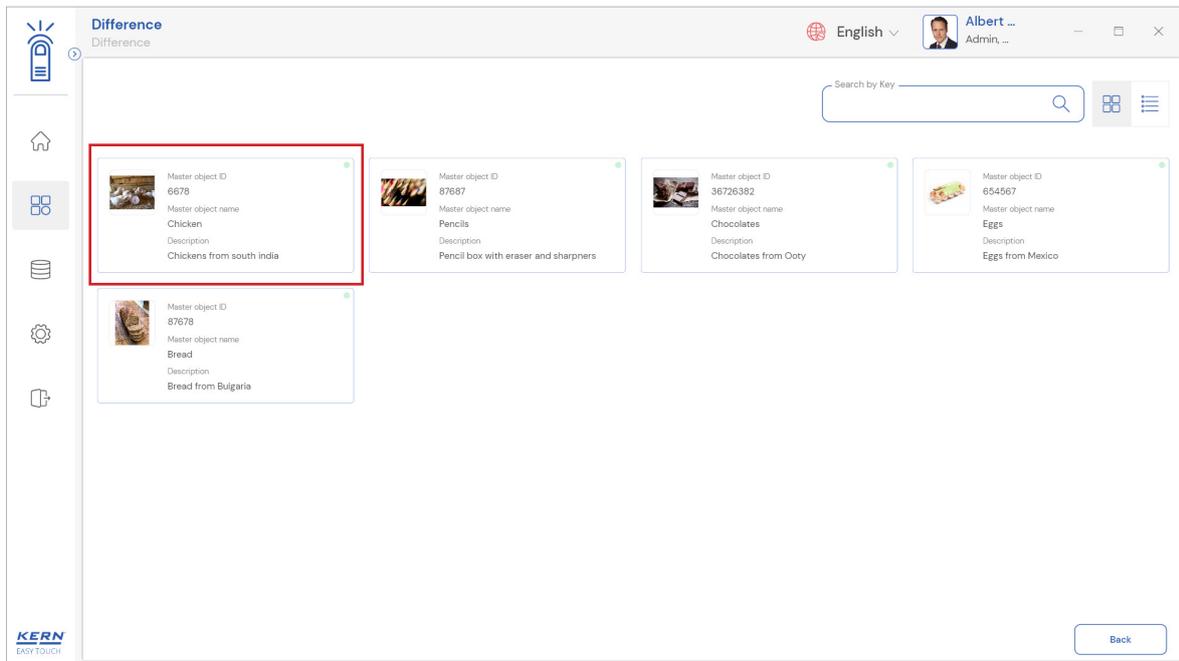


Utilize the master object in function

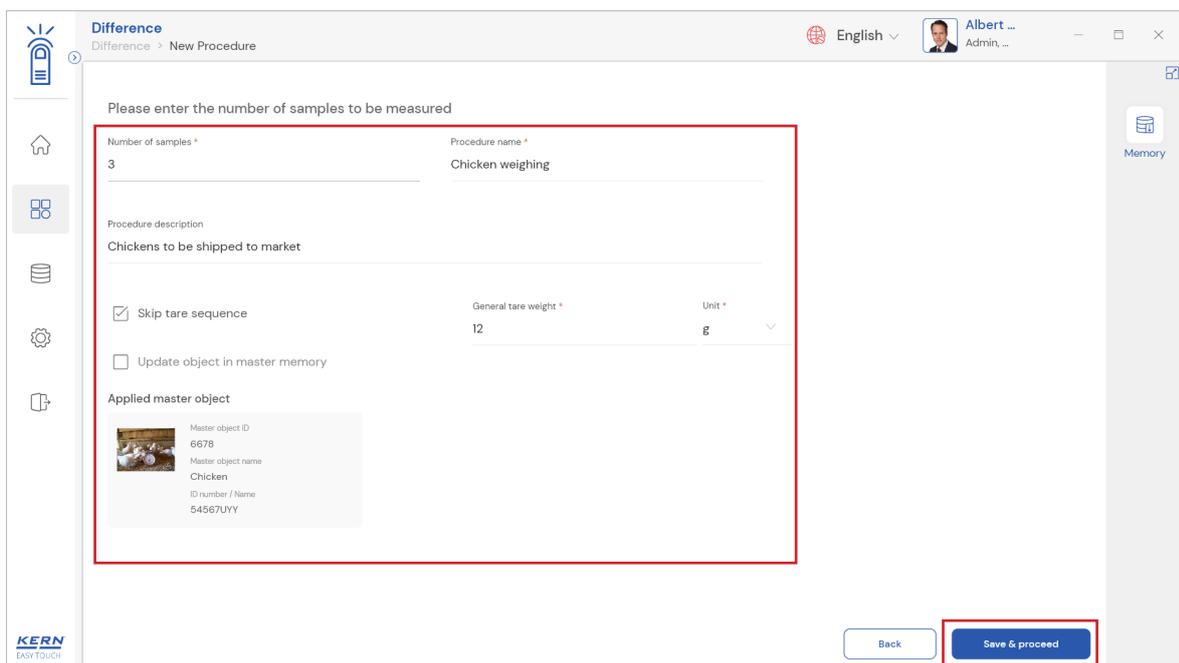
- Navigate to the difference function
- Click on the memory and the user will be taken to the master memory to pick from the list of objects predefined. User can click on the required object to be weighed.



- User will be provided with the search option to search the required weighing object.

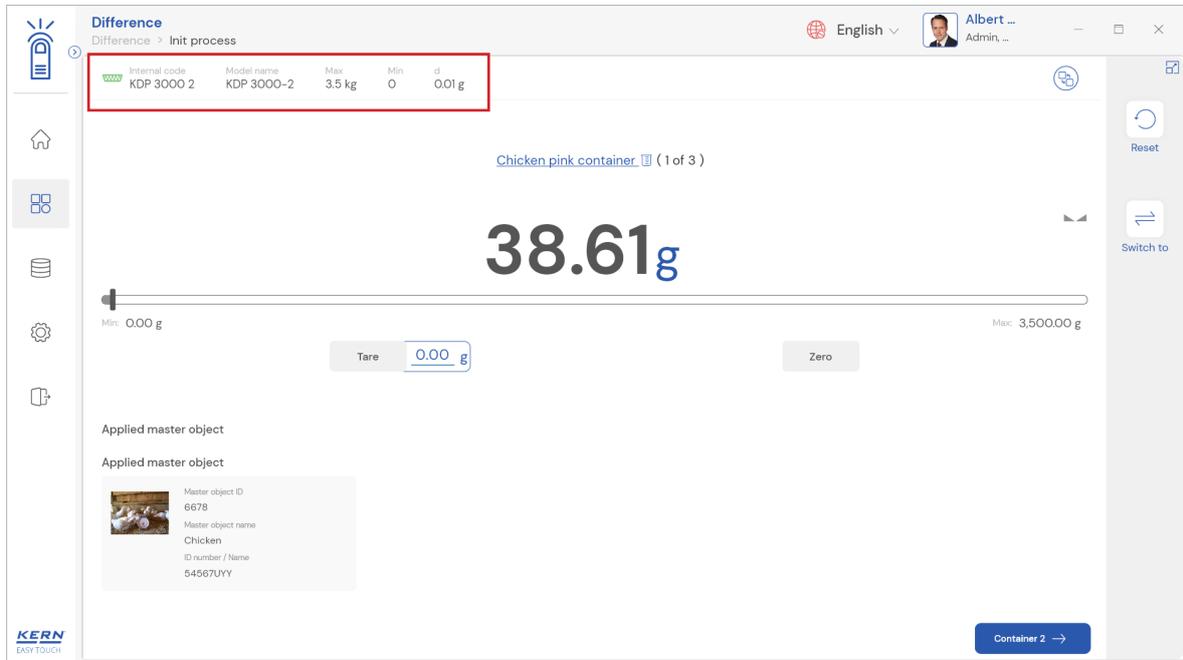


- User will be redirected to the below screen upon clicking the required object and the details will be auto populated.
- Here, the user will be provided with an option to “update the object in master memory”. The purpose of this option is to save the modified procedure in master memory.
- The user can click on “save & proceed” to start the measurement



3.0 Connecting a weighing scale

Please connect the active weighing scale to the system to start measuring the substance. Please refer the “device management” user manual to help with the device connection instructions.



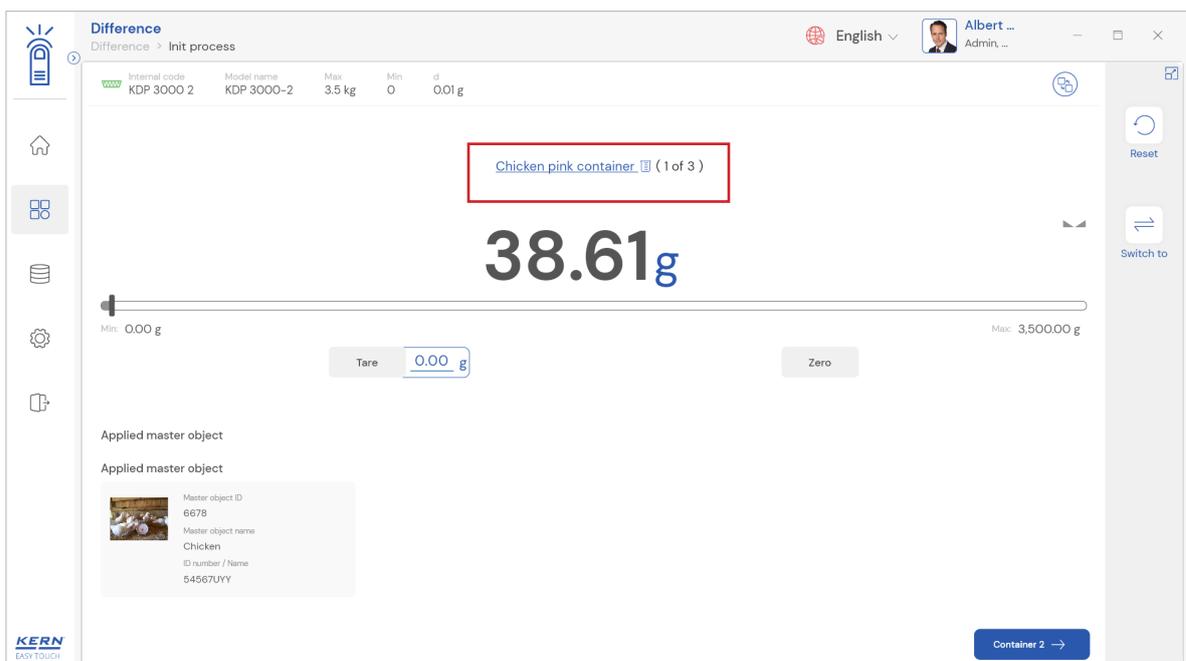
4.0 Difference measurement properties

4.1 Functional features

The user might be able to utilize the below features during the measurement.

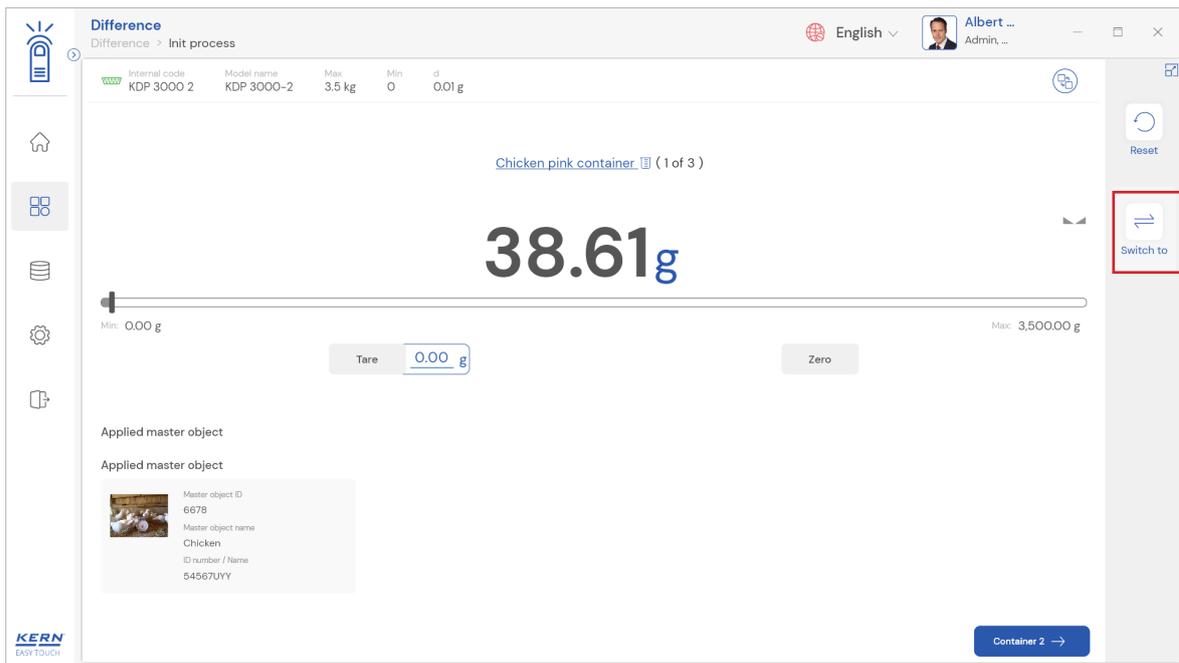
Container name: By clicking on the container name you can enter the container name manually or by scanning the barcode or by using the RFID – reader. The purpose of giving the name to the containers is for reference.

- Upon clicking on the apply button the provided container name will be applied to the container.

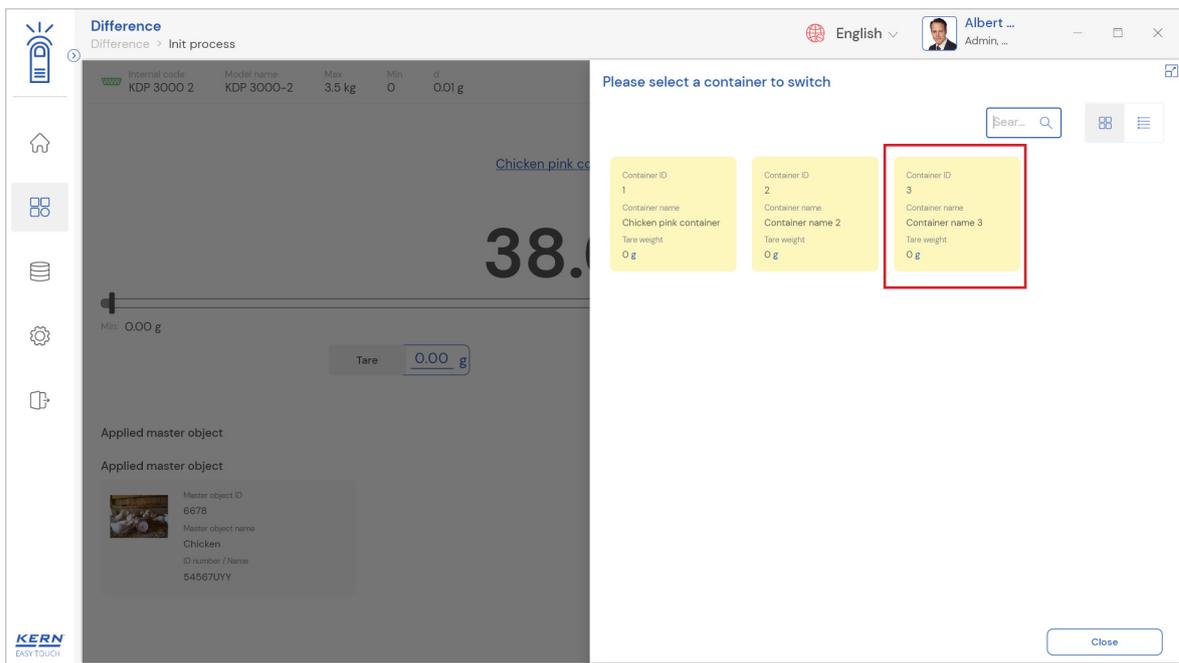


Switch to: It is possible to switch between the containers in case of multiple containers using “switch to” button. As an example, the user can switch from container 1 to container 3 by clicking the “switch to” button.

- Click on “switch to” button in the right side menu

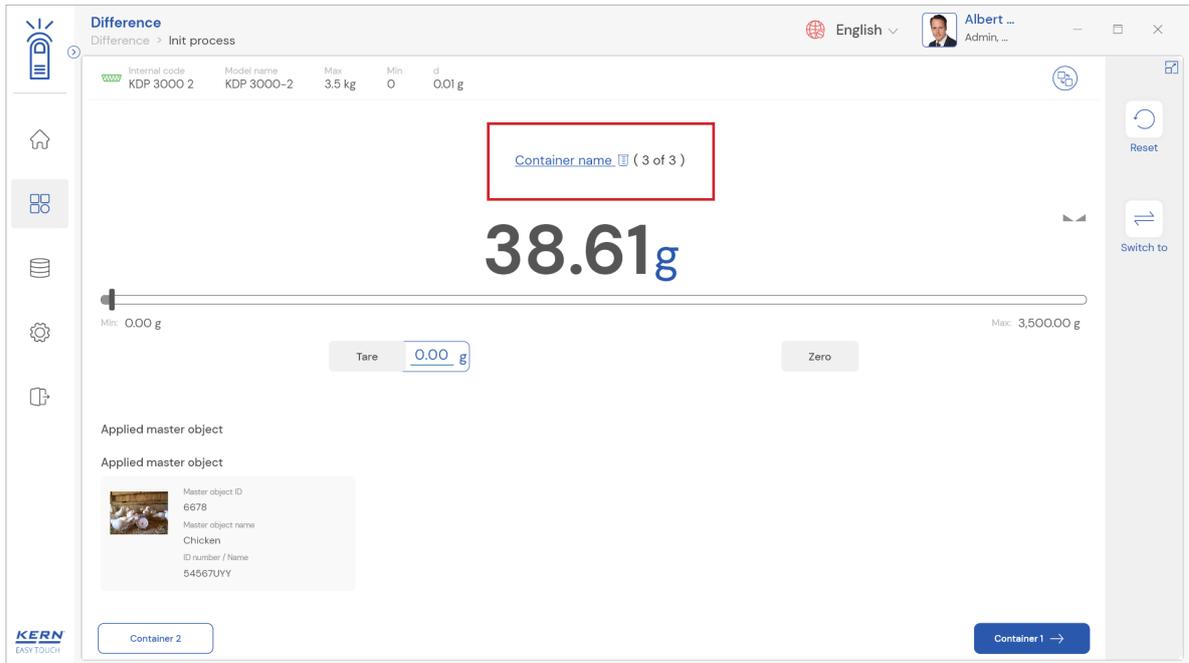


- Now the available containers will be listed in the screen. Where the measured empty containers are displayed in green and the non-measured containers are displayed in yellow.

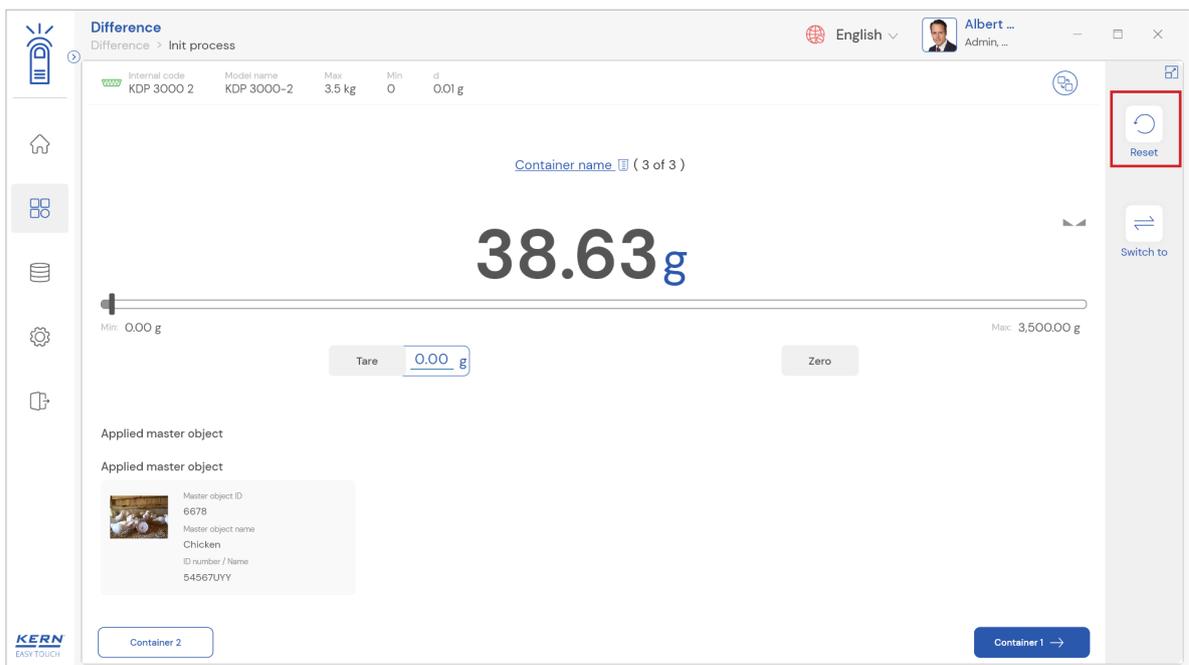


- Select any container you wish to switch by clicking on it . If you click on it, you will get to the screen where you can measure the selected container.
- Now the container selected can be measured here

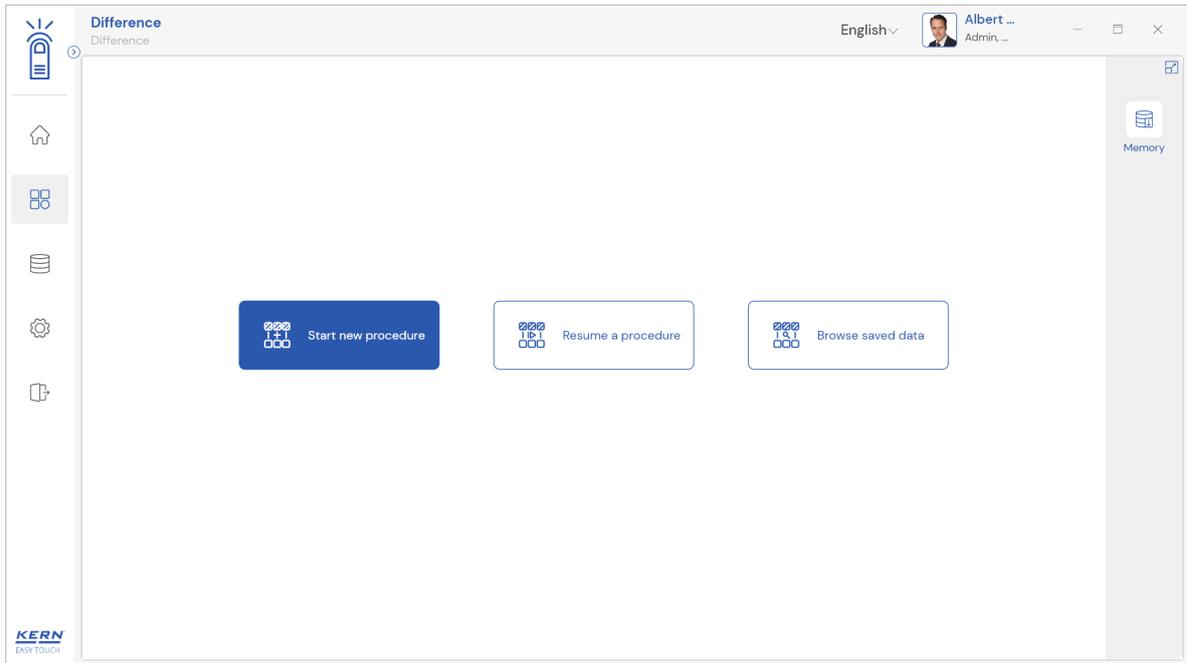
English



Reset: The purpose of the reset is to clear all the entered values and readings.

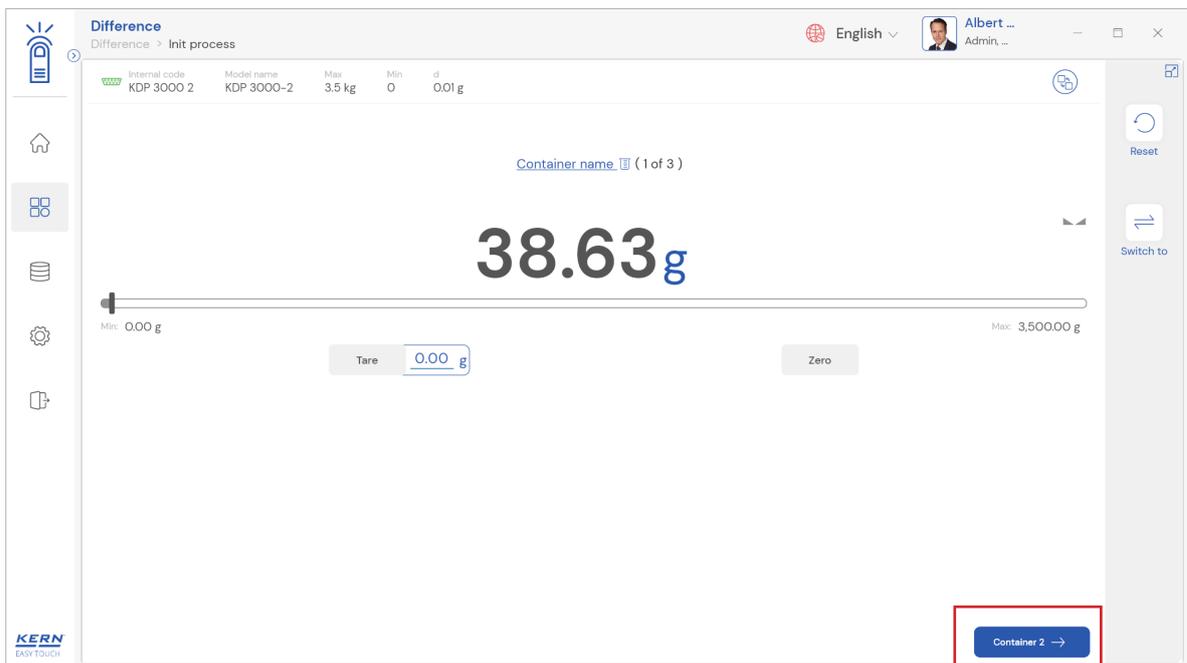


Upon clicking the reset, system will reset all measurement details and will be ready to perform the new operation.



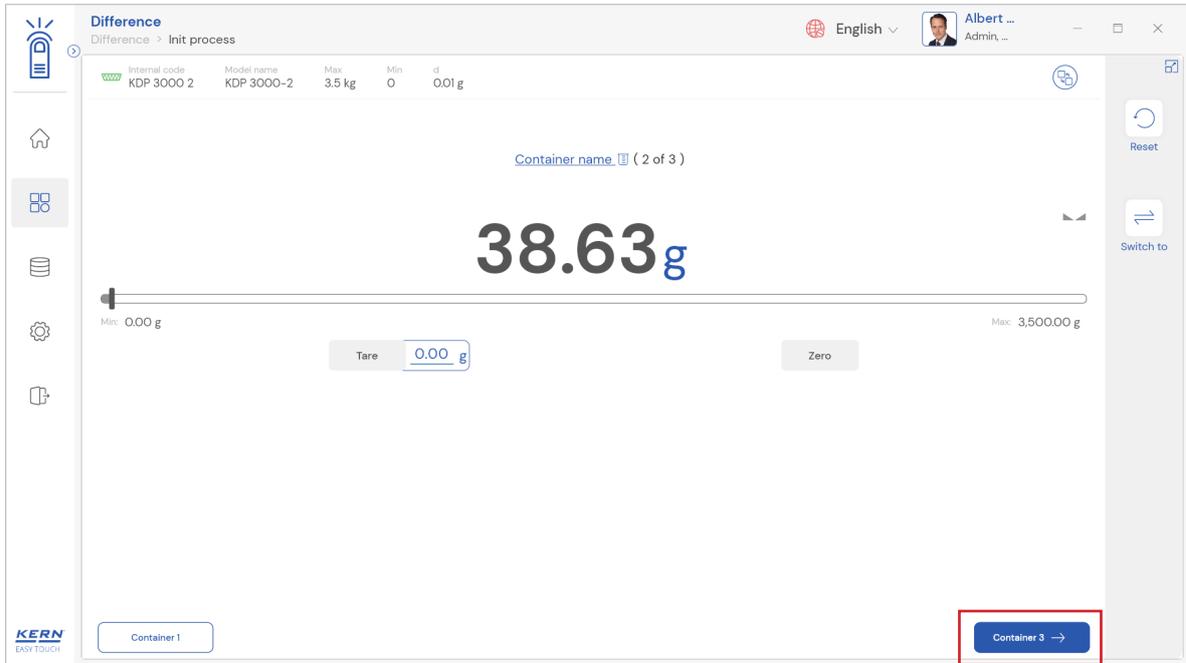
Continue functionality:

- Upon clicking on the container button the weight of the current container is stored in the cache memory and will be redirected to the next container to measure the weight of empty container

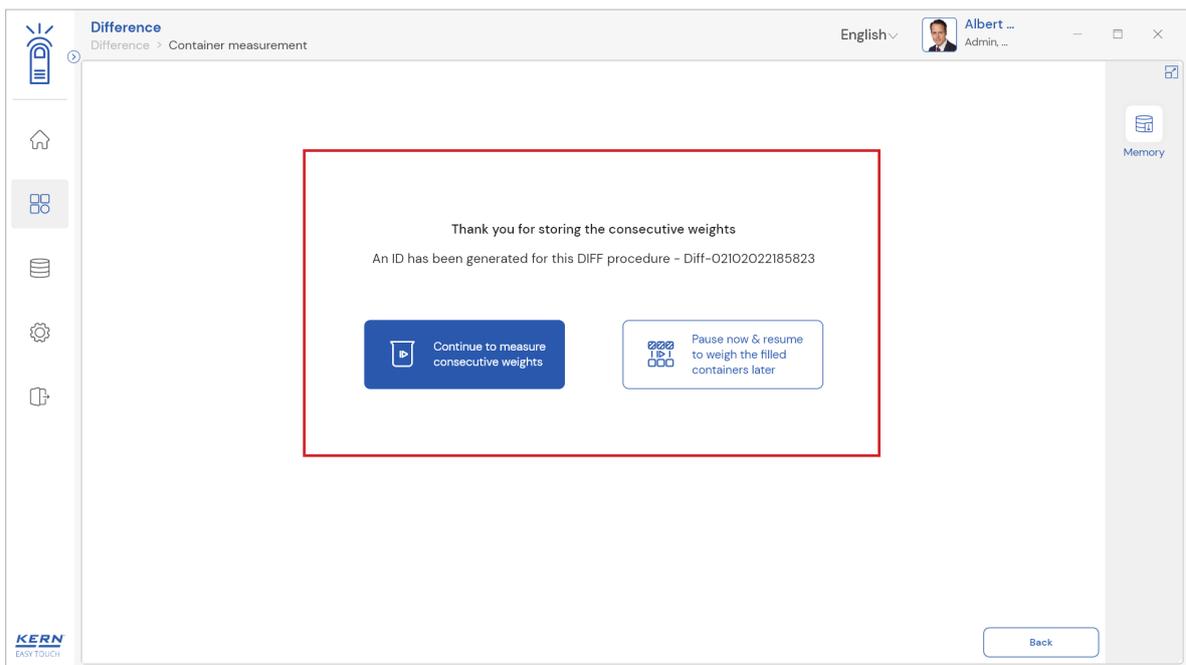


- The user places container on the scale and by pressing the continue button, a container's weight is stored in the cache memory, and will be ready to measure the next container.

English



- User can repeat the steps until all the empty containers are being measured.
- Once all the containers are measured, the filled container measurement can commence.

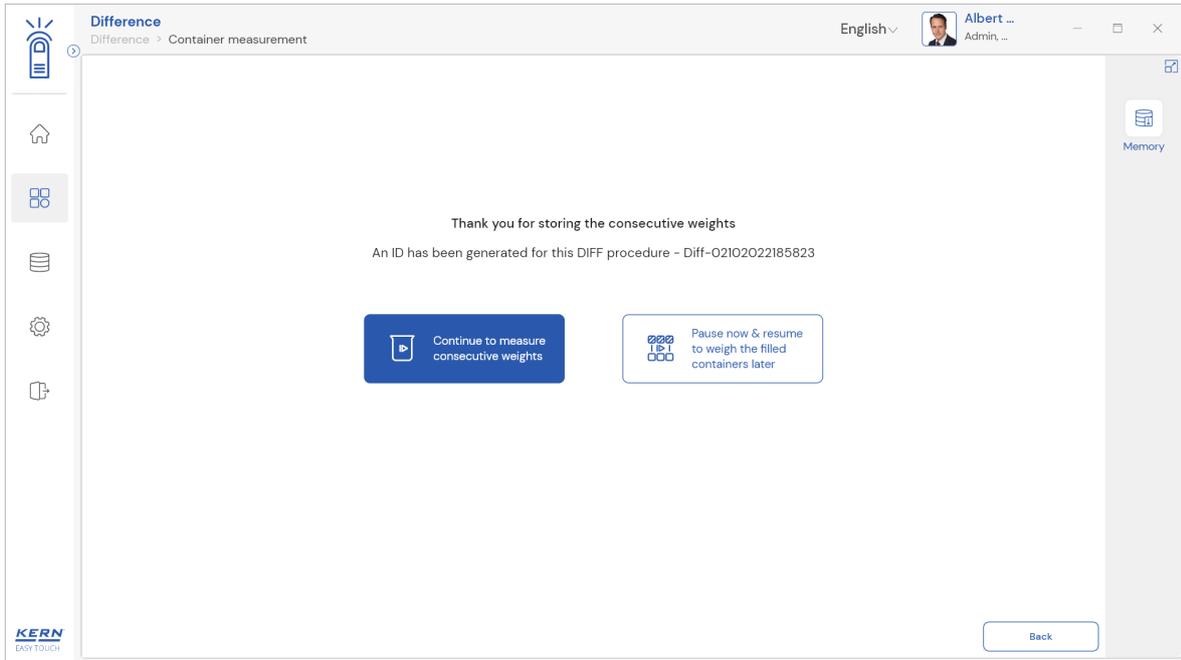


English

4.2 Weighing and storing of samples (1st sequence measurement)

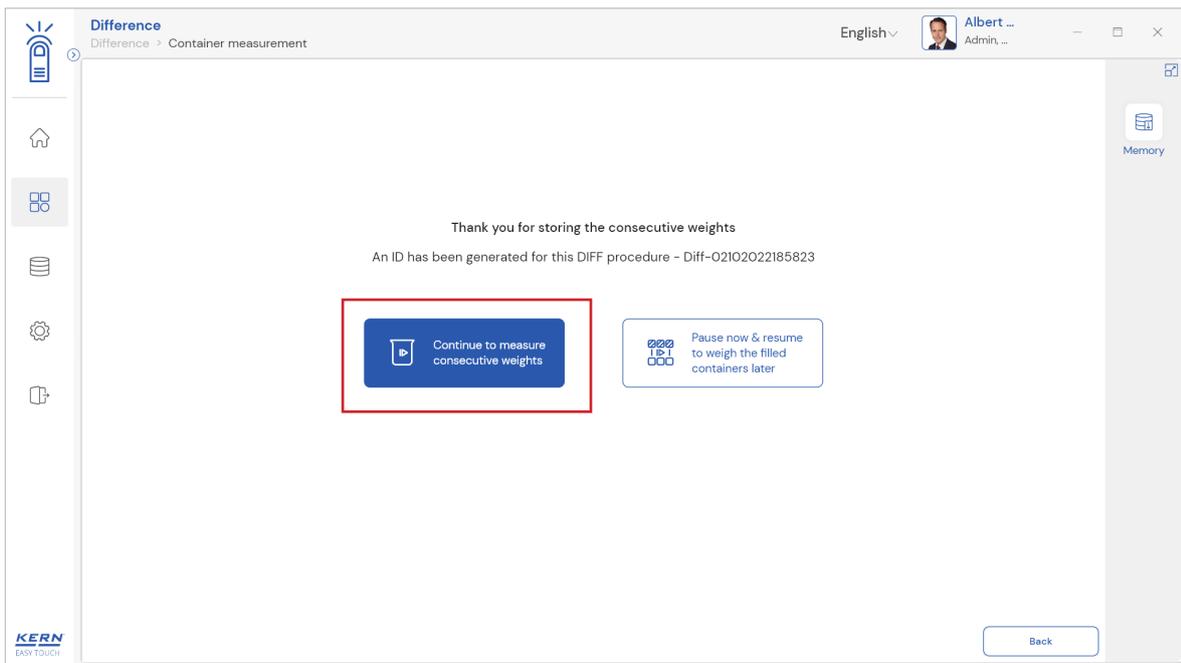
The user can start measuring the substance after completing the below process.

- Defining the tare (in case of skipping the tare sequence)
- Measuring the tare (in case of not skipping the tare sequence)
- The user will be given the option to “continue the measurement of consecutive weight” and “resume the weigh filled containers later” upon successful measurement of tare or else the user can proceed



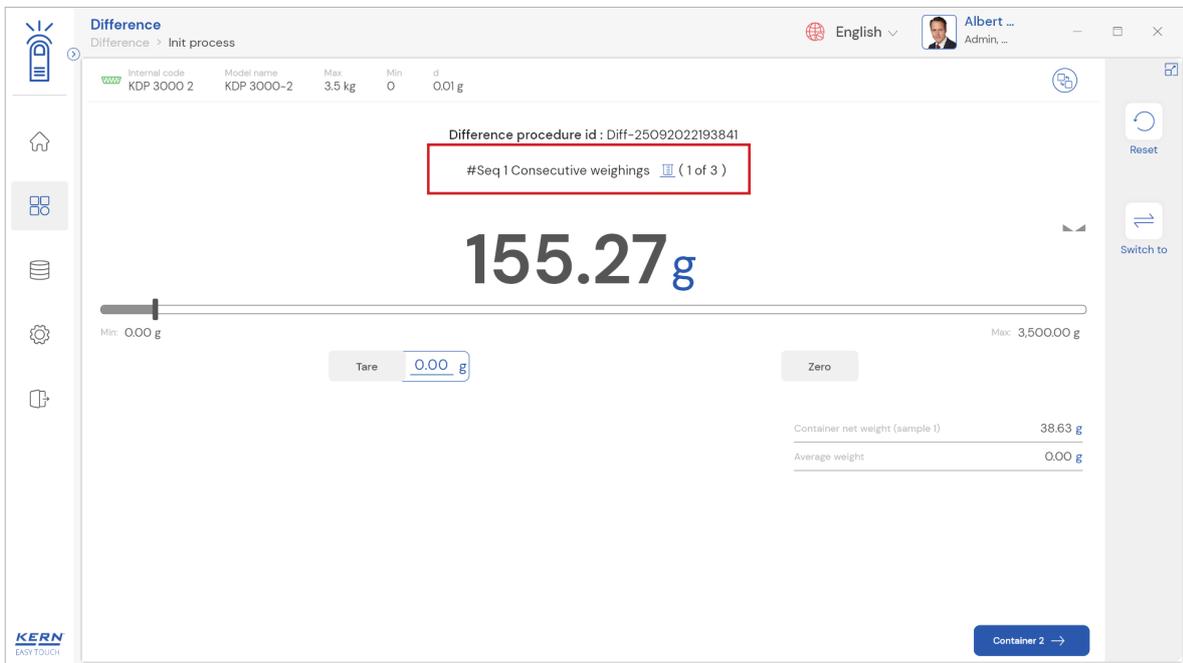
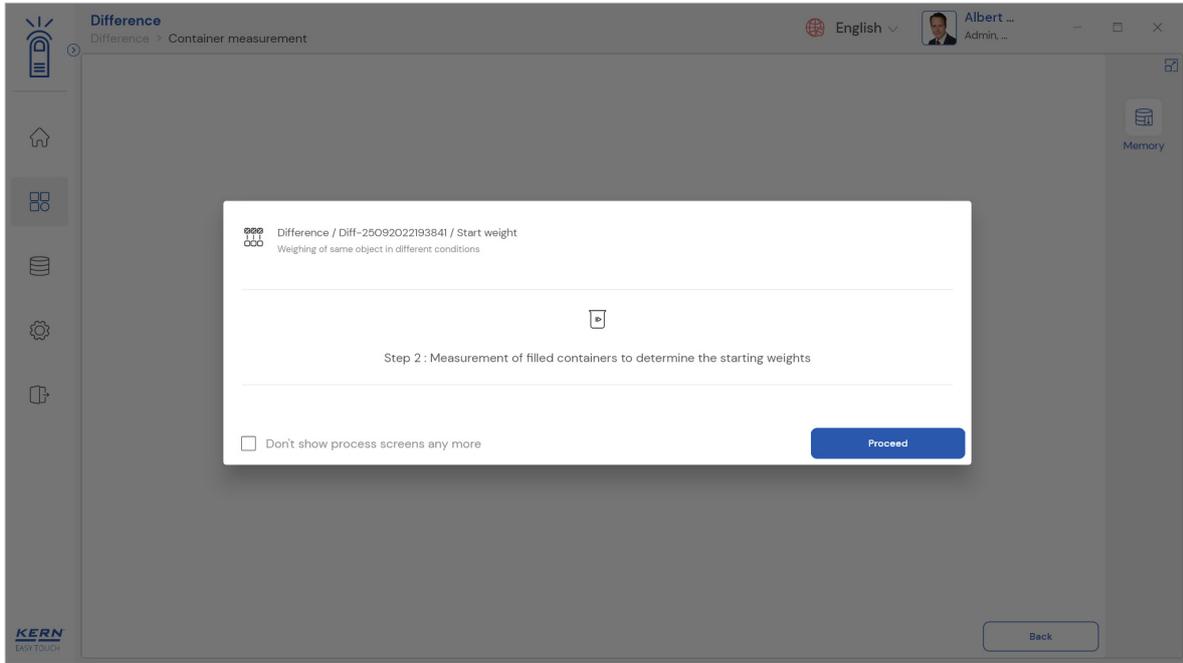
4.2.1 Continue measurement of filled containers

The purpose of this functionality is to measure the filled container right away.



- Upon clicking on the “continue the measurement of consecutive weight” the user is taken to the page where the measurement of substance that is required to be weighed along with the container of sequence 1 can commence

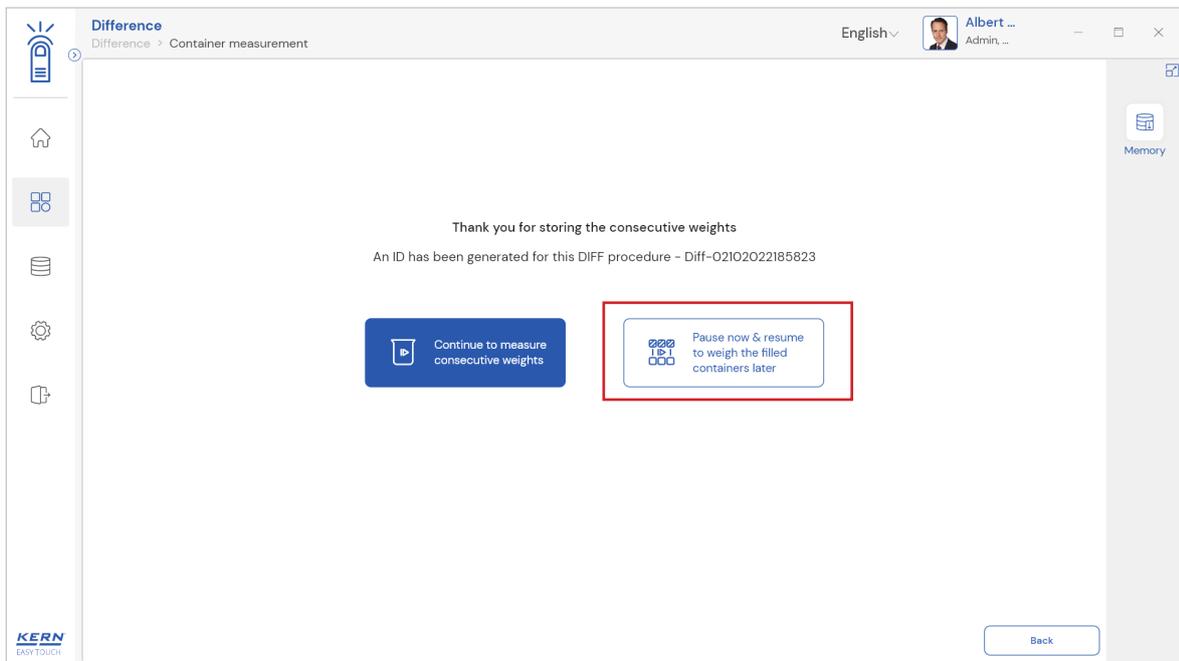
English



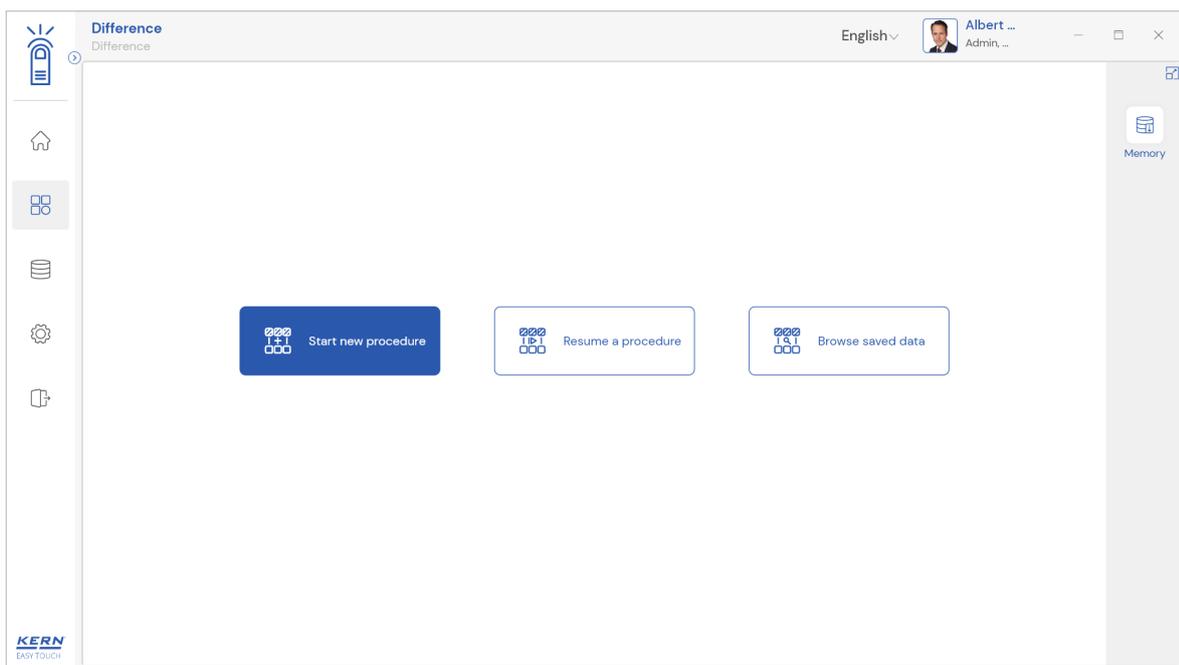
English

4.2.2 Pause now and resume to weigh filled containers later

- This option would be available to the user once the particular sequence is completed.
- With this option, you can pause a difference procedure and resume it whenever you want to measure the next sequence of samples.
- This might be useful in case where there should be some time given for substance to grow or expand or reduce.



- Upon selecting the “pause now and resume the weigh filled containers later”, the current difference procedure will be paused and you will be taken to the home screen of the difference function.



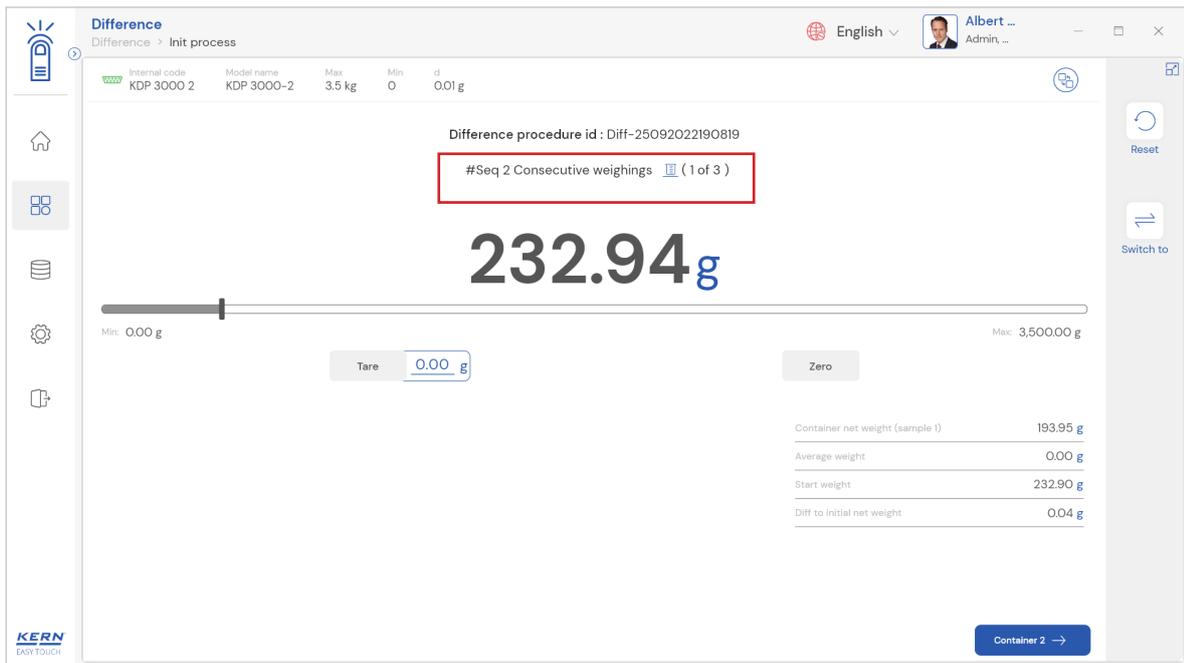
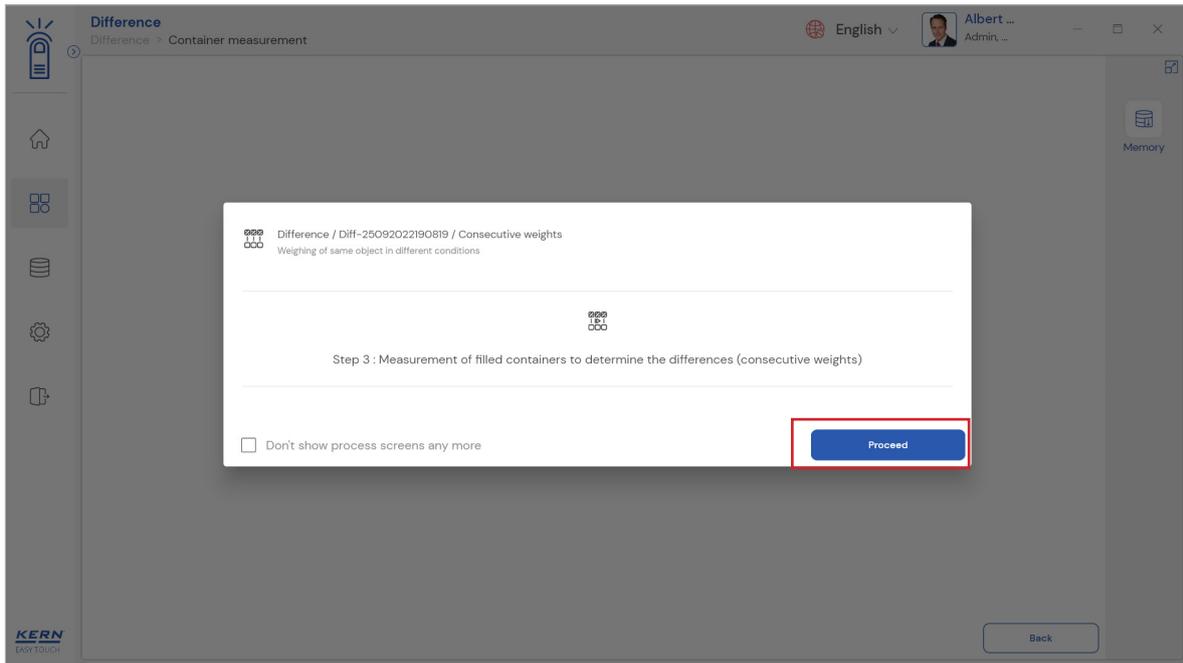
4.3 Weighing and storing of samples (2nd sequence measurement)

Once the sequence 1 weights are measured the difference procedure ID will be generated and also the user will be given the option to “continue the measurement of consecutive weight” and “resume the weigh filled containers later”

4.3.1 Continue measurement of filled containers

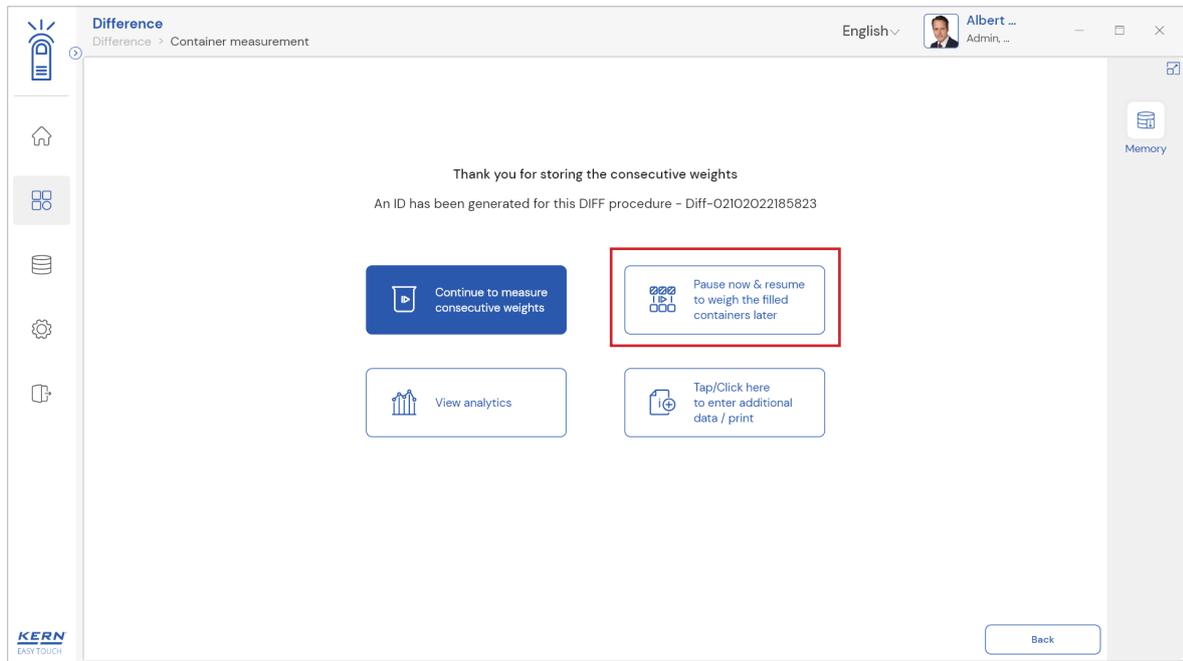
- The purpose of this functionality is to measure the sample weights right away after the sequence 1 weights are being measured.
- For instance, the chemical substance with moisture as your first sequence and without moisture as your second sequence.

- Upon clicking on the “continue the measurement of consecutive weight” the user is taken to the page where the user can measure the sequence 2 of the first substance.



4.3.2 Pause now and resume to weigh filled containers later

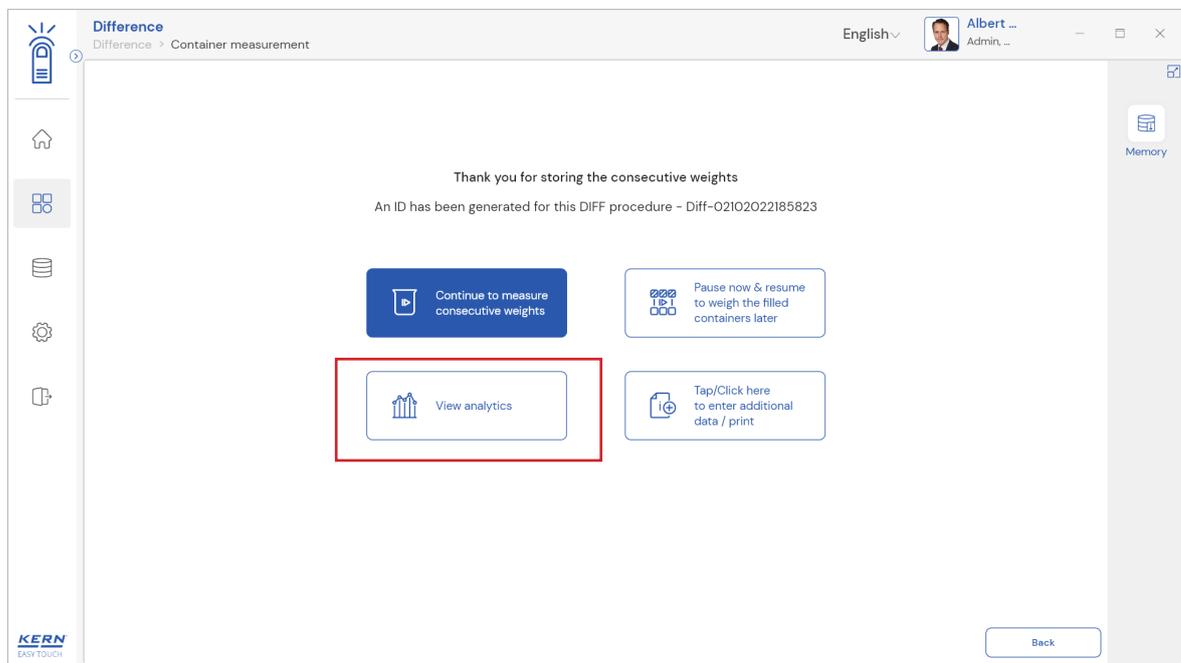
- With this option, you can pause a different procedure and resume it whenever you want to measure the next sequence.



- Upon selection the “pause now and resume to weigh filled containers later” the current difference procedure will be paused and you will be taken to the home screen of difference function.

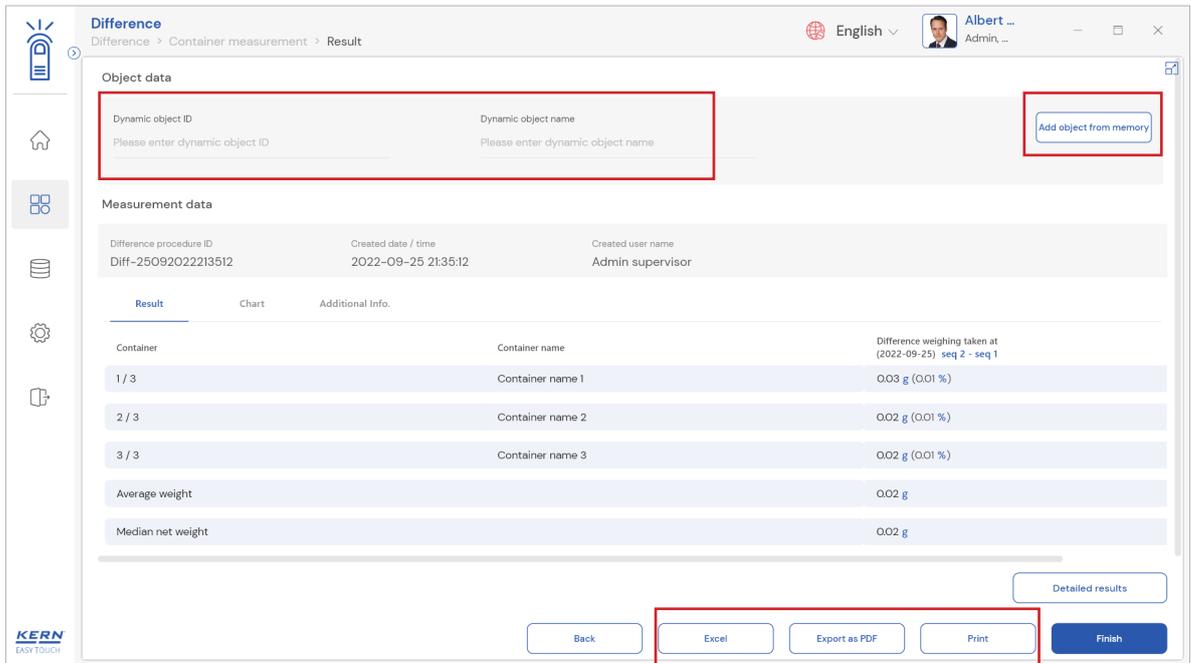
4.3.3 View analytics and finish

This option would be available for the user once the sequence 2 is being completed where the system can calculate the difference of sequence 1 and 2 and display it to the user. An overview of the determined data appears upon clicking on the button “view analytics and finish”.



- The below screen appears upon clicking the view analytics and finish button. The user might be able to view the complete result data.

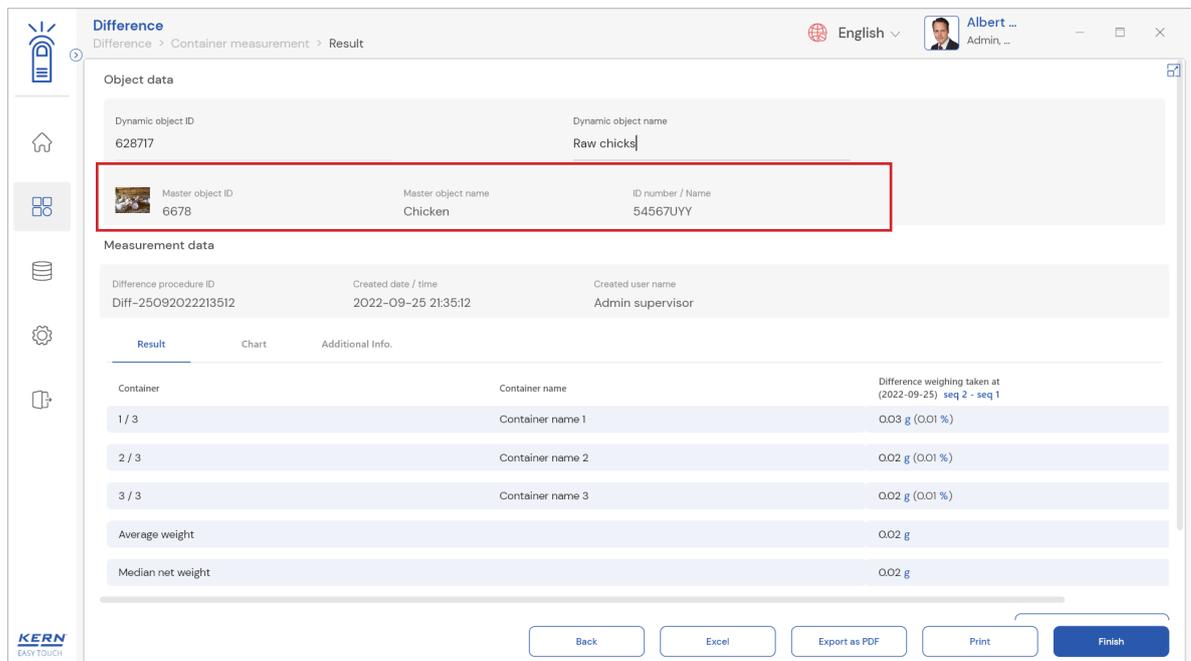
English



Add object from memory: The user might be able to pick an object from the memory where you can predefine list of objects what you use frequently. The object in the memory can be re-utilized.

PDF, print and save: The user can save the data, generate the result data as a PDF or excel or print the results. All the saved results would be found in the dynamic database.

Dynamic object ID and name: The user can enter a reference id and name to the weighing objects to stay unique and search based on the dynamic id and name in the dynamic database (after the result data is being saved) regarding the weighing results of an object.



Detailed view:

- The user can able to view the detailed view of the result data where the procedure data view, container details and the difference between sequence 1 and sequence 2 for each measurement are clearly displayed. Here the user can generate the result data as a PDF or excel or print the

results

- Upon clicking on the detailed view the following screen appears,

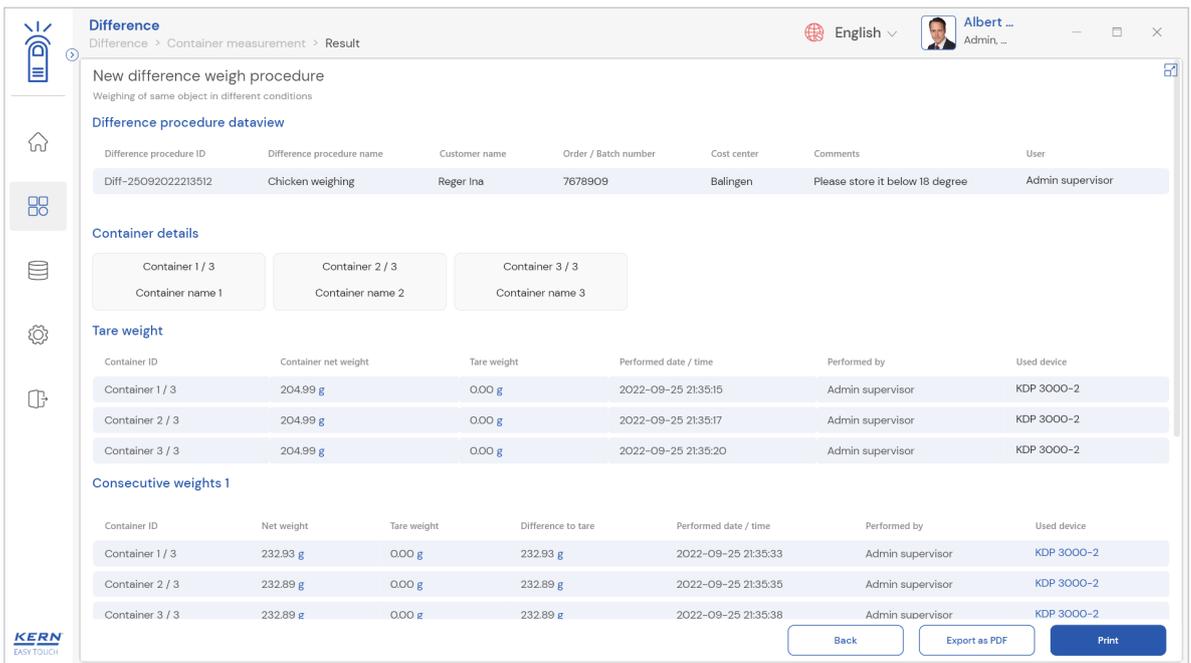
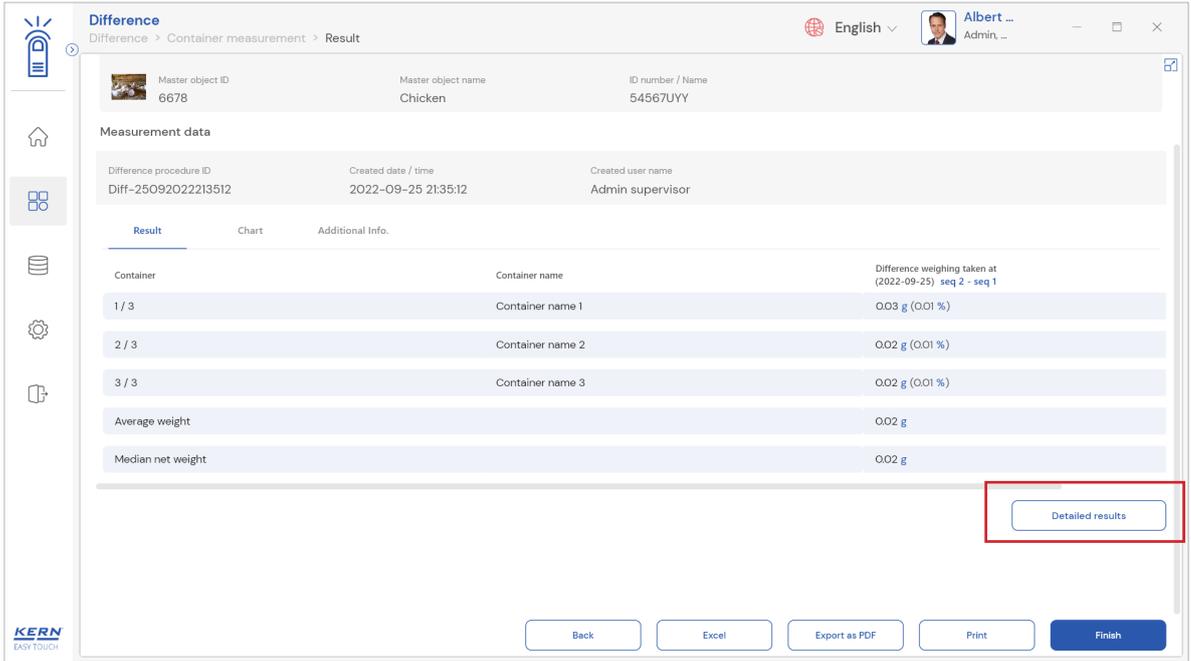
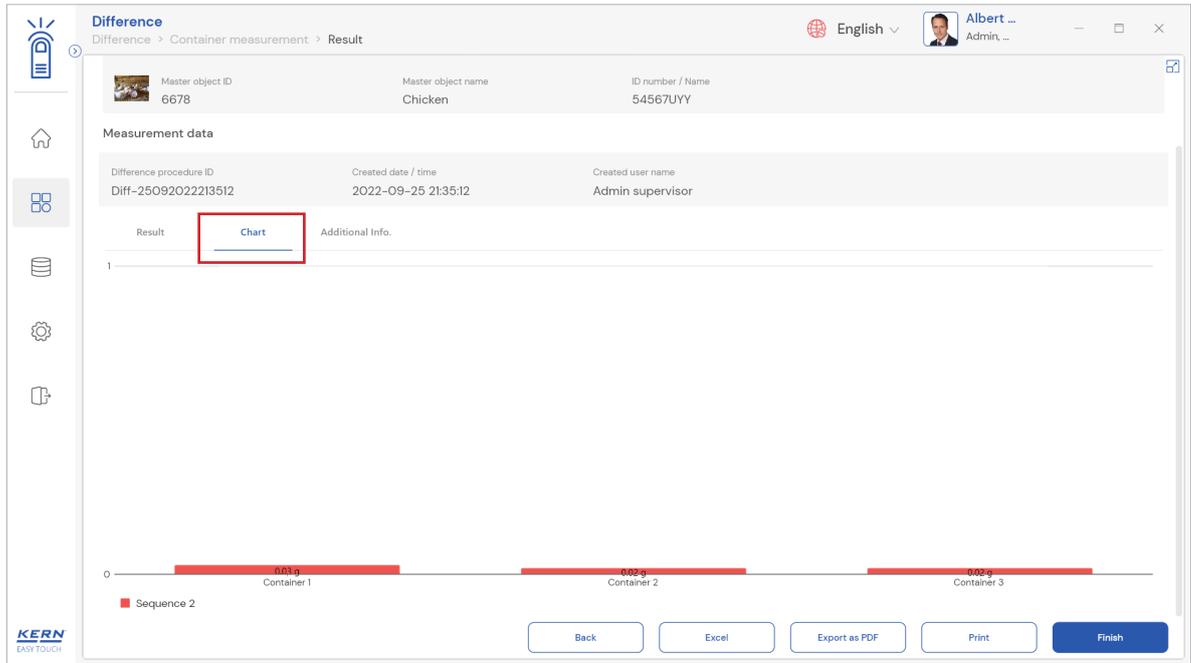
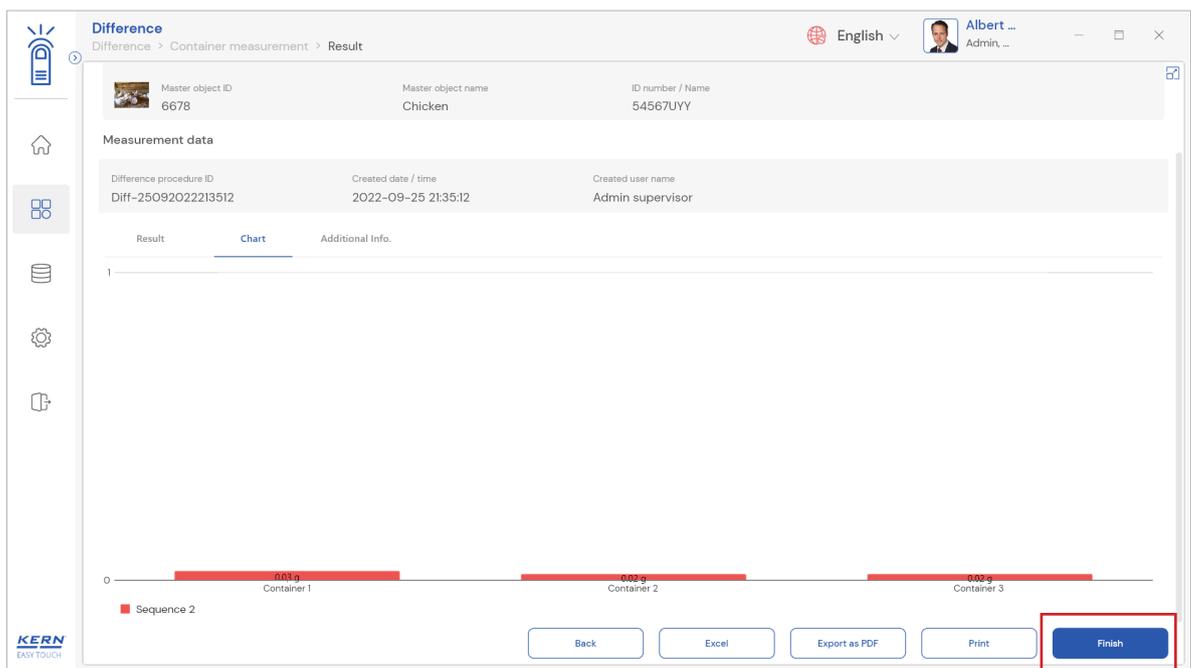


Chart: The difference between the sequences is displayed in the graphical format for easy understanding of data to the user. Here the difference between sequence 1 and sequence 2 is displayed.

English

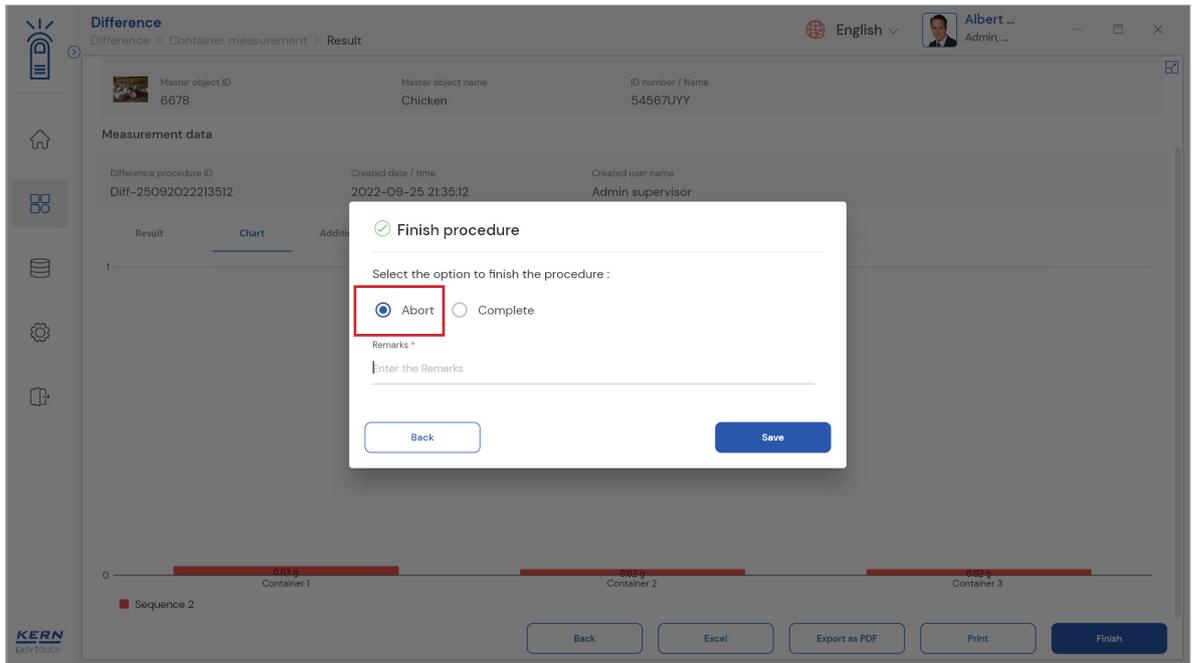


Finish: The functionality of the finish button is to either abort the current procedure or to complete the current procedure with the remarks and save it in the dynamic database.



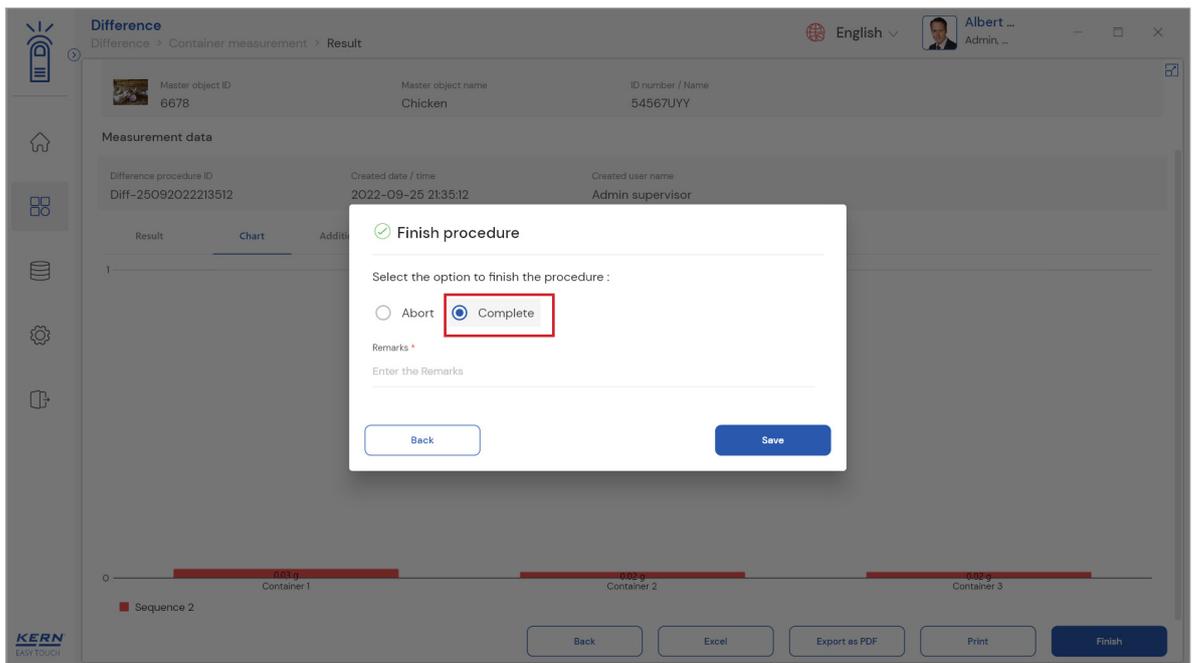
- Upon clicking on the finish button user can either abort or complete the procedure.

Abort: If the user selects “abort” and clicks on saving by writing the remarks the complete procedure will be saved in the dynamic database with aborted tag.



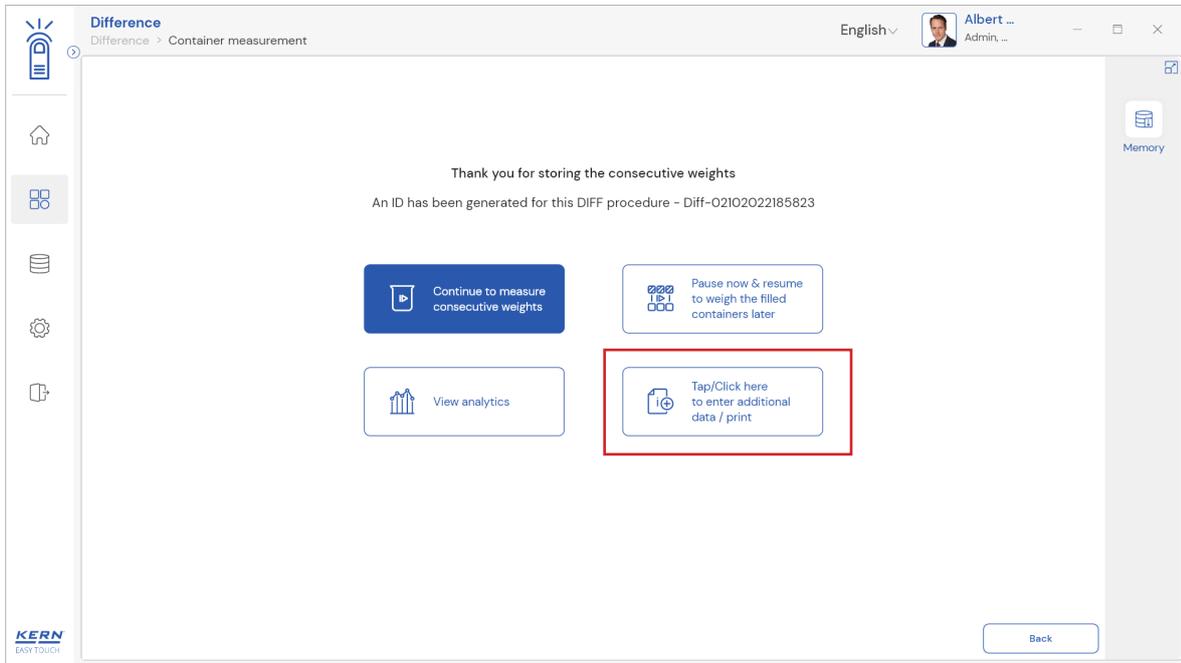
Complete: If the user selects “complete” and clicks on save by writing the remarks the complete procedure will be saved in the dynamic database with the completed tag.

English

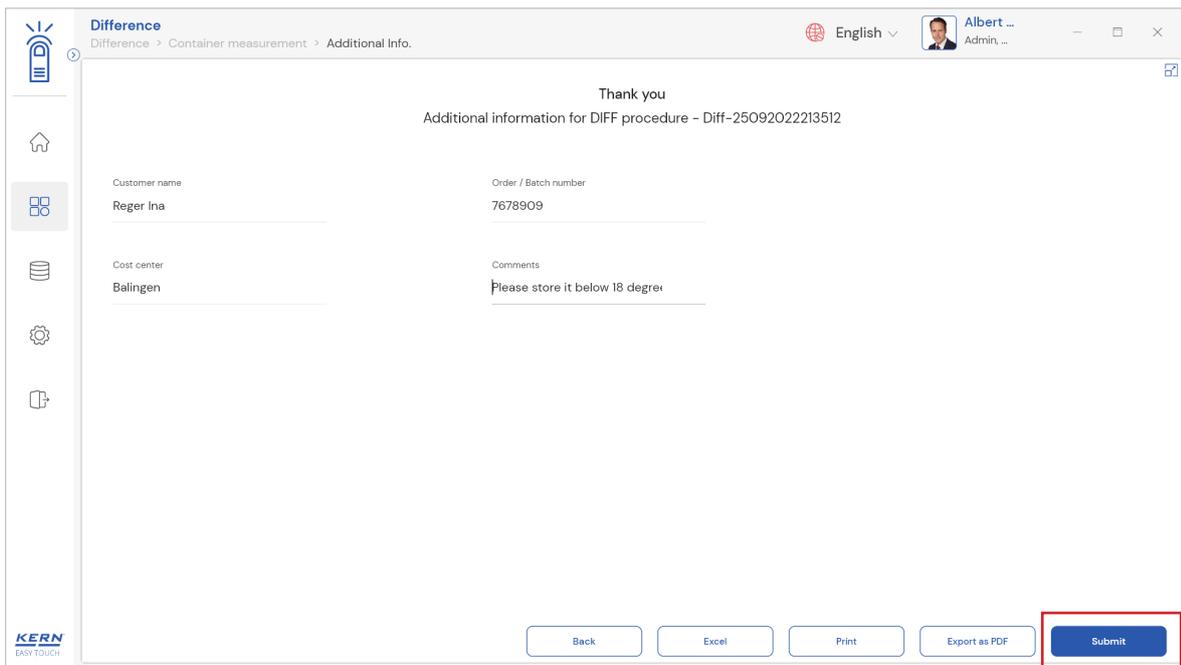


4.3.4 Enter additional data and print

- Users will have an option to enter additional information as such the customer’s name, order or batch number, cost center, and comments.



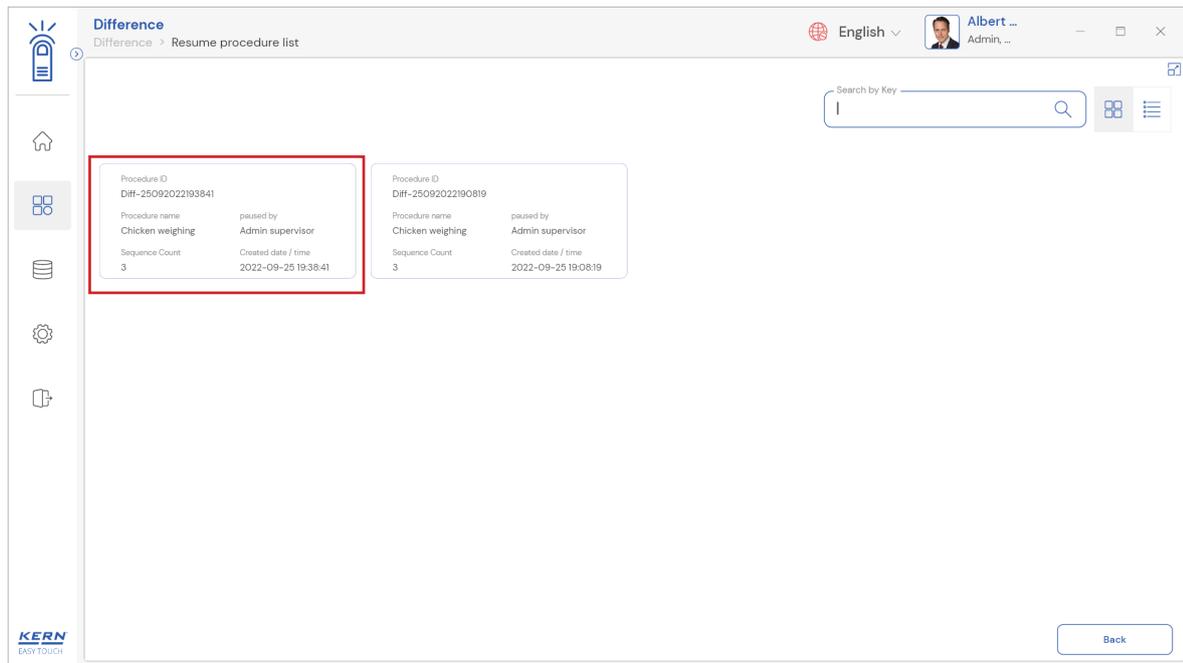
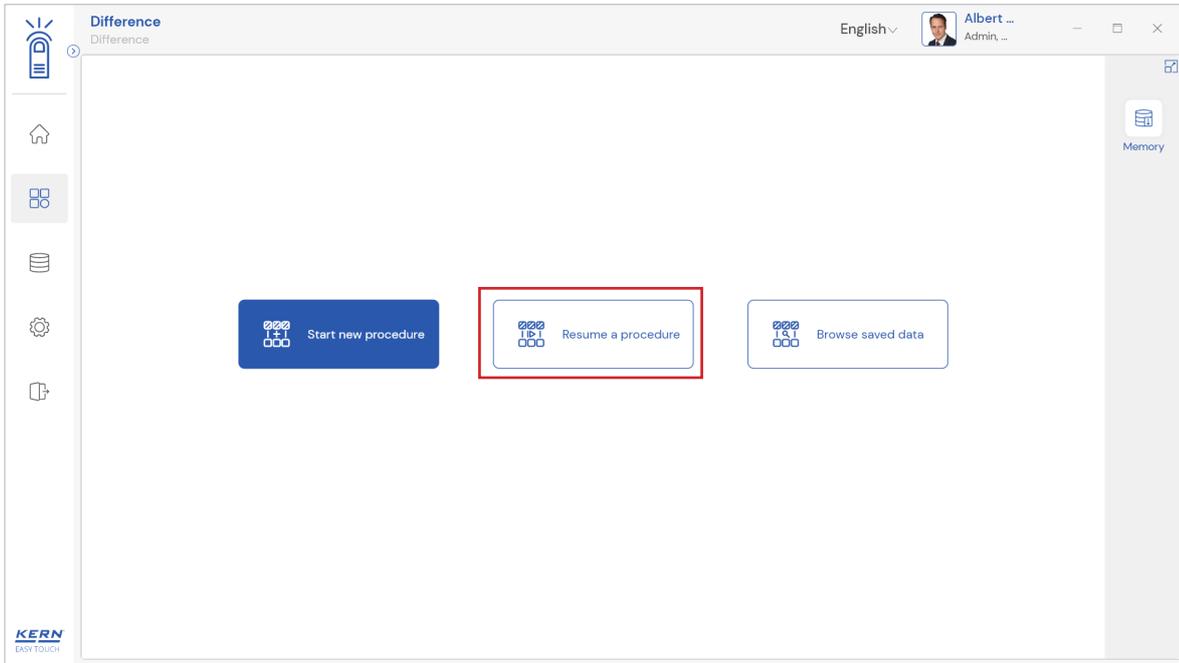
- The user can save the data, generate the result data as a PDF or excel or print the results. All the saved results would be found in the dynamic database.



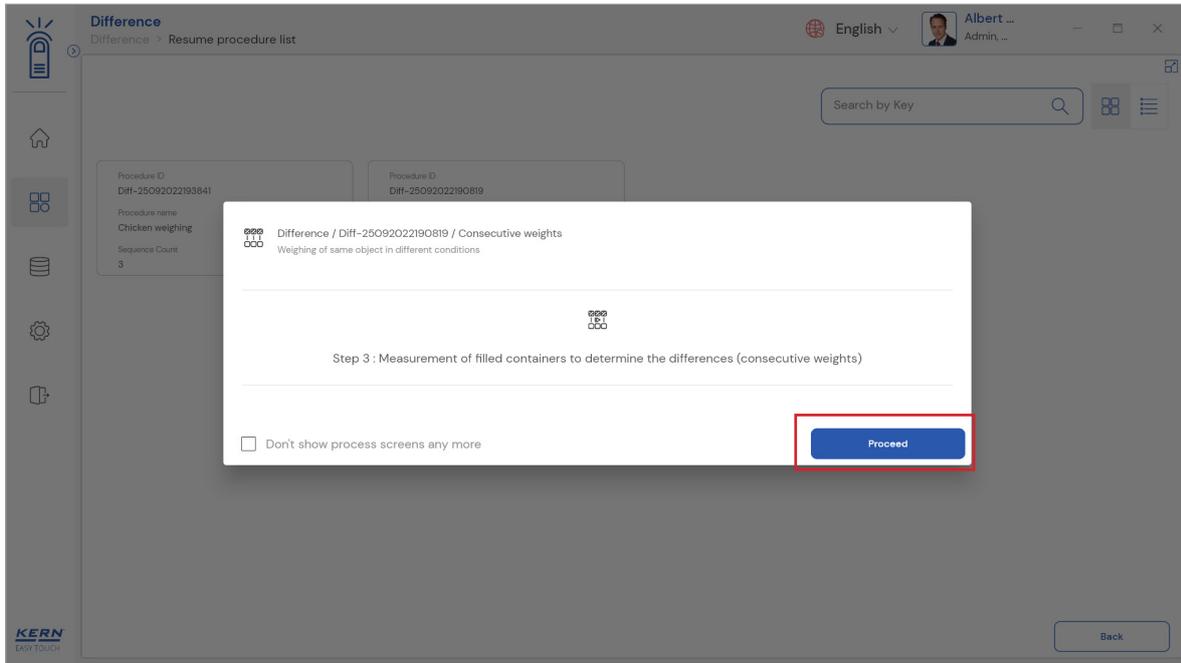
English

5.0 Resume a procedure

- Here you will be getting the option to resume the difference procedure.
- Upon clicking on the “resume a difference procedure will take you to the screen where you can find the list of paused difference procedures.

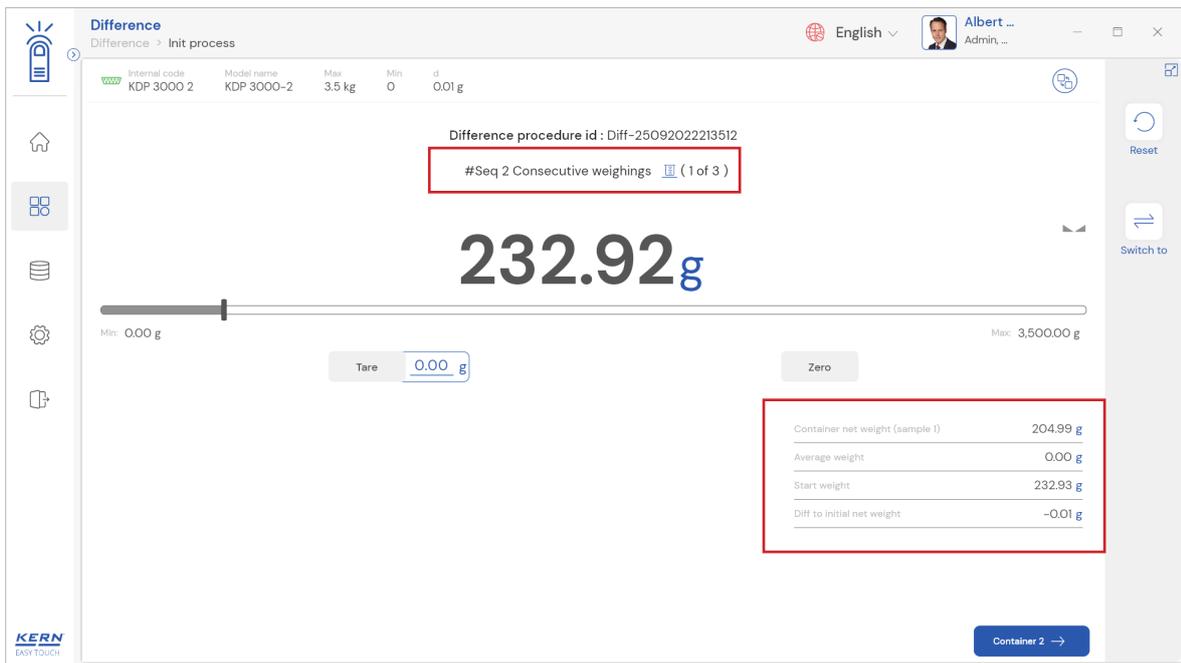


- Here you can use the search function to pick up the exact procedure you wish to resume.
- After searching click on the procedure ID which you want to resume
- After clicking on the procedure ID you will be taken to the screen where you can measure the substance for next sequence from where the user has left.



After resuming the procedure, the user will be redirected to the dosing screen from where the user has paused the sequence.

- Here the net weight is displayed by reducing the container weight



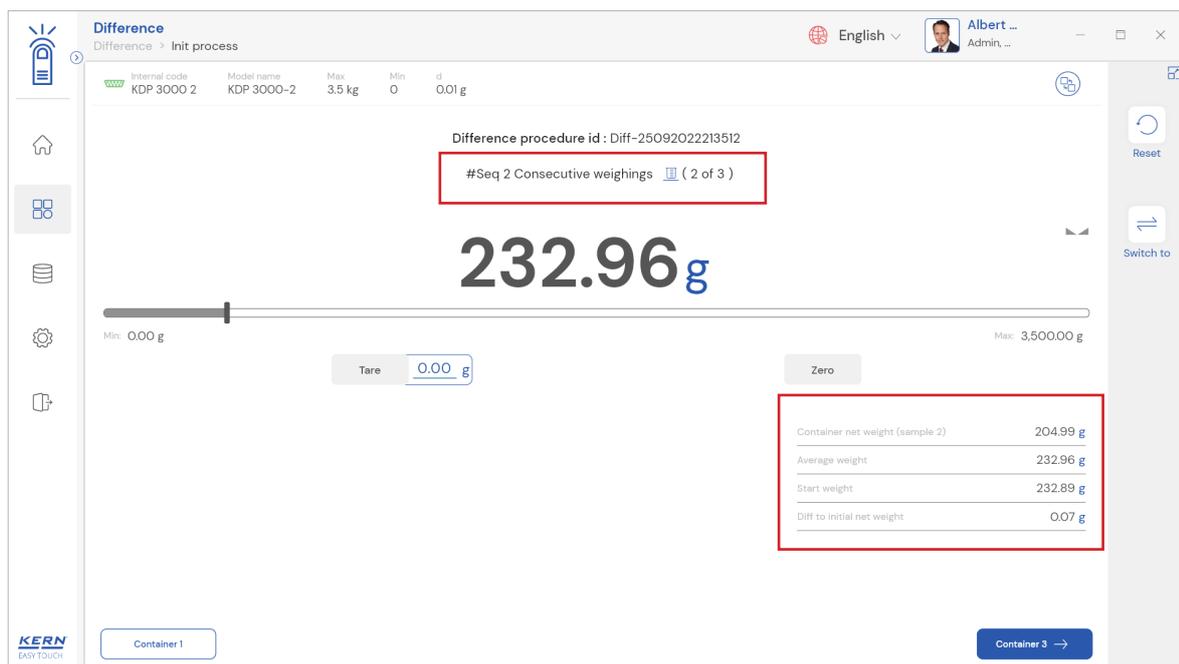
Container net weight: By default, the first container is displayed with the tare weight.

Average weight: The average weight shows the calculated average values of the measured samples. Since it is the measurement of the first sample it is being displayed as 0 g.

Start weight: Here the weight of substance 1 from sequence 1 is displayed.

Difference to initial net weight: Here we can see the difference between first substance net weight of sequence 1 and sequence 2.

- Now will be able to measure the substance weight of sequence 2
- Now place the weight on the scale and click on continue 2.
- Upon clicking on continue 2 the weight of the first substance is captured and saved in the cache memory and you will be taken to the screen where you can measure the second substance.



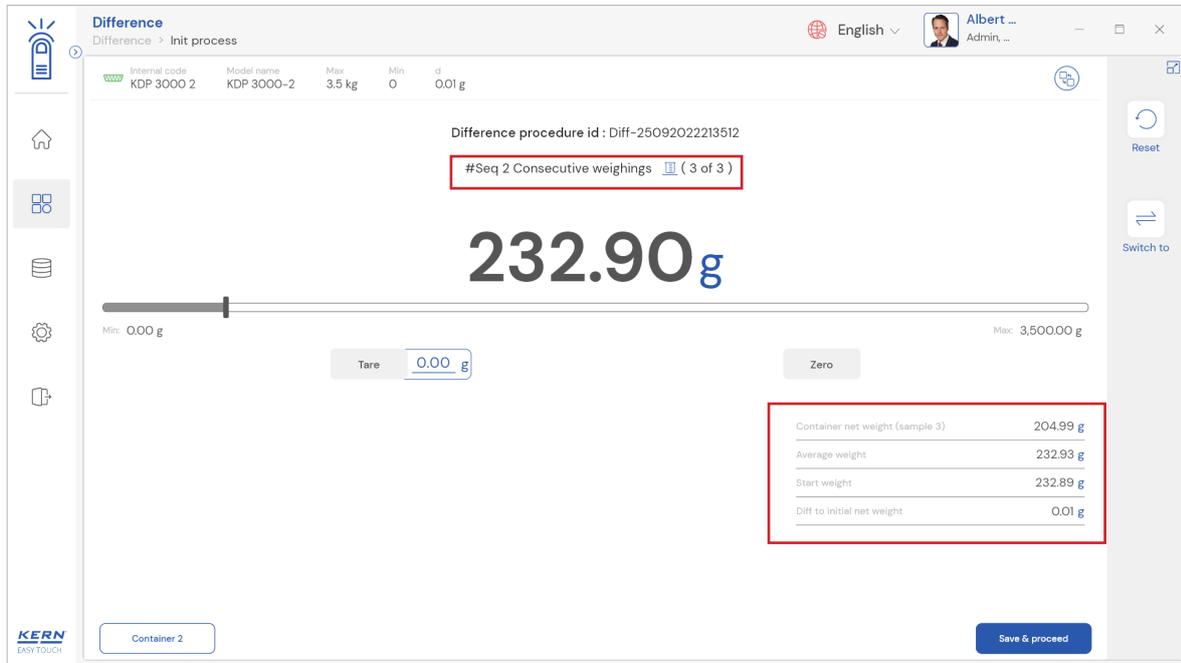
Container net weight: The container net weight will be updated to the tare of the container 2.

Average weight: The average weight is calculated based on the measurement of substances in the particular sequence and is displayed.

Start weight: Here the weight of substance 2 from sequence 1 is displayed.

Difference to initial net weight: Here we can see the difference between the second net weight of sequence 1 and sequence 2.

- Now place the weight on the scale and click on continue 3
- Upon clicking on continue 3 the weight of the second sample is captured in the cache memory and you will be taken to the screen where you can measure the third substance.



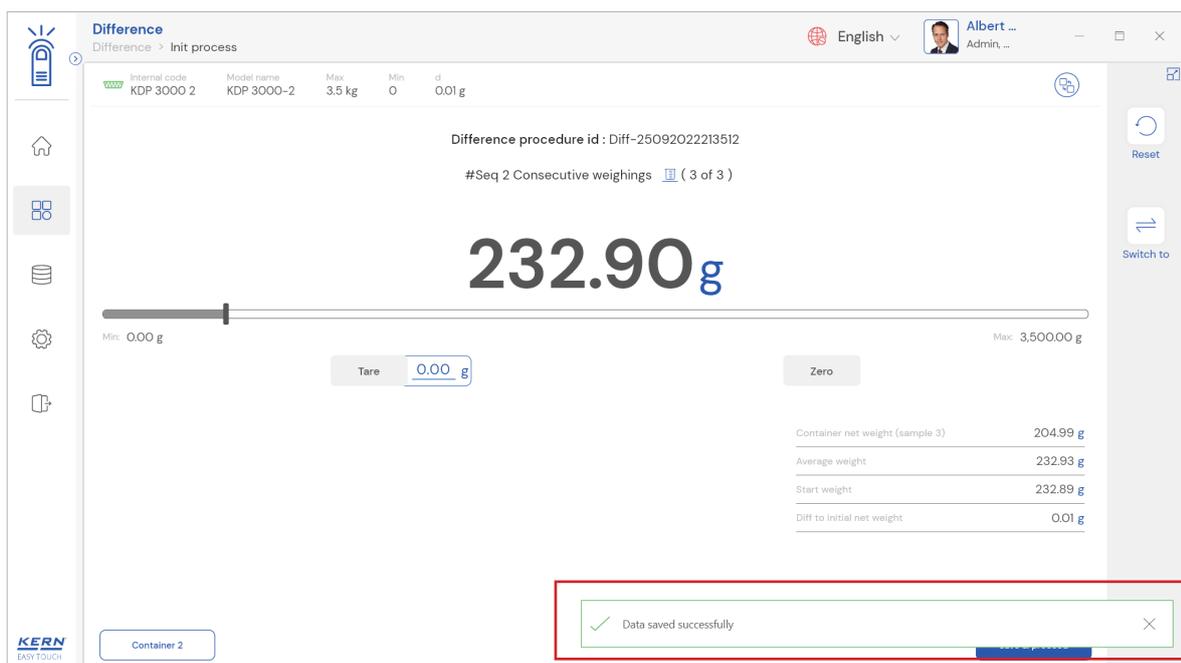
Container net weight: The container net weight will be updated to the tare of container 3.

Average weight: The average weight is calculated based on the measurement of substance 1 & 2 and is displayed.

Start weight: Here the weight of substance 3 from sequence 1 is displayed.

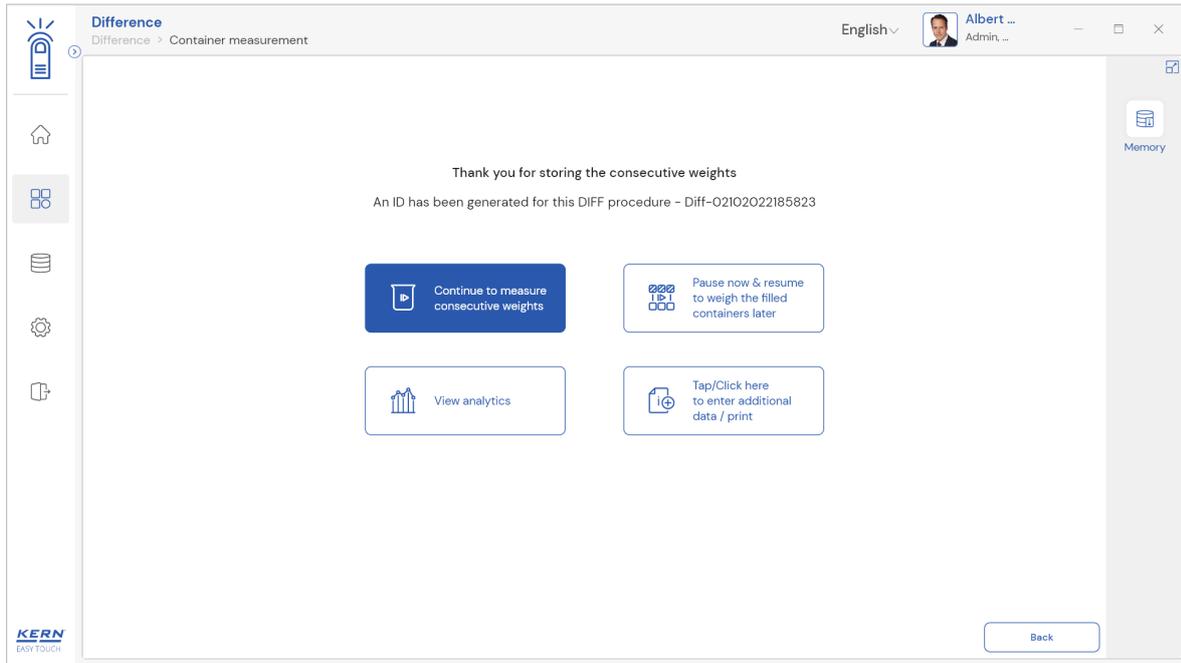
Difference to initial net weight: Here we can see the difference between the third net weight of sequence 1 and sequence 2.

- Now place the weight on the scale and click on save and continue
- On clicking save and proceed the user will get the success message that “data has been saved successfully”.



- Once the data is saved successfully the user will again get the option to select “continue the

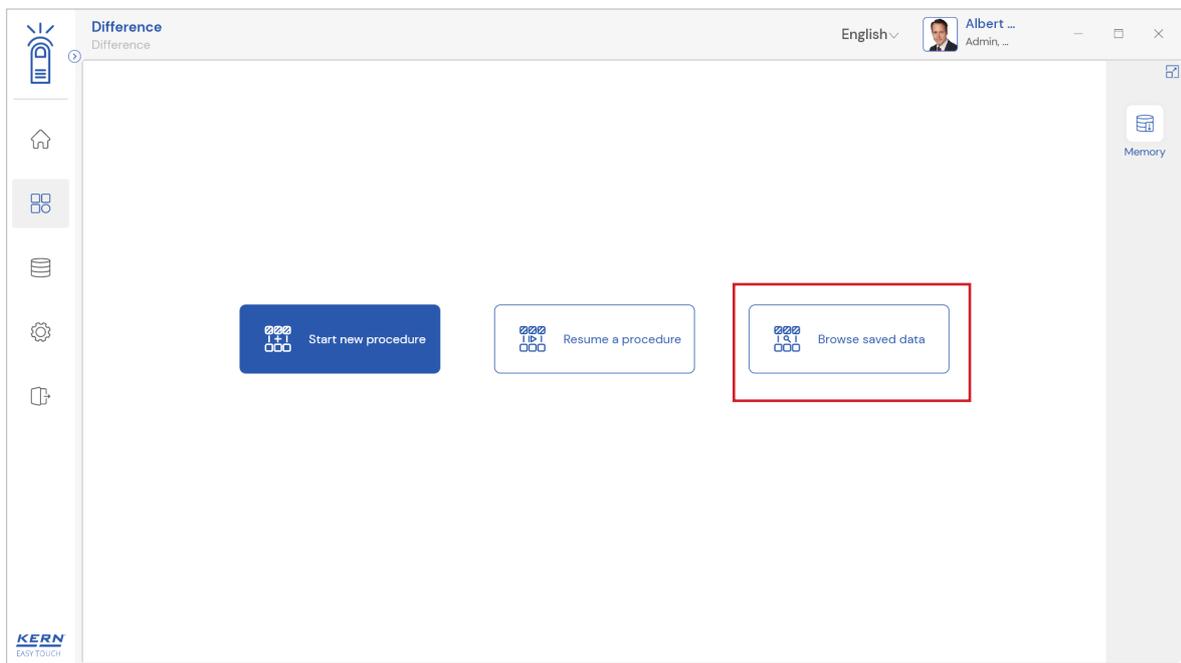
measurement of consecutive weight”, “resume the weigh-filled containers later”, “view analytics & finish” and “tap / click here to enter the additional data & print”



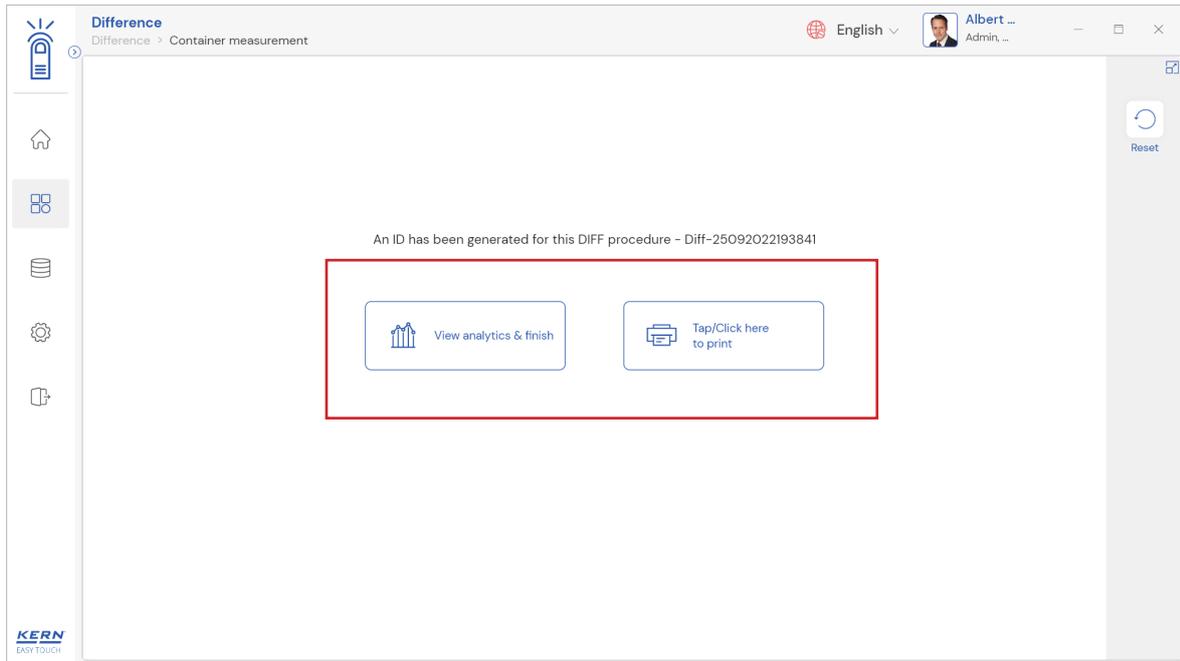
English

6.0 Browse saved data

- Navigate to the start screen and you will find an option “browse saved data”. The difference weighing procedure data will be found here once the sequence 2 of the weighing has been completed



- With this option, user can be able to view the analytics of the procedure by selecting the procedure ID and can also able to take the print out of it.



View analytics and finish

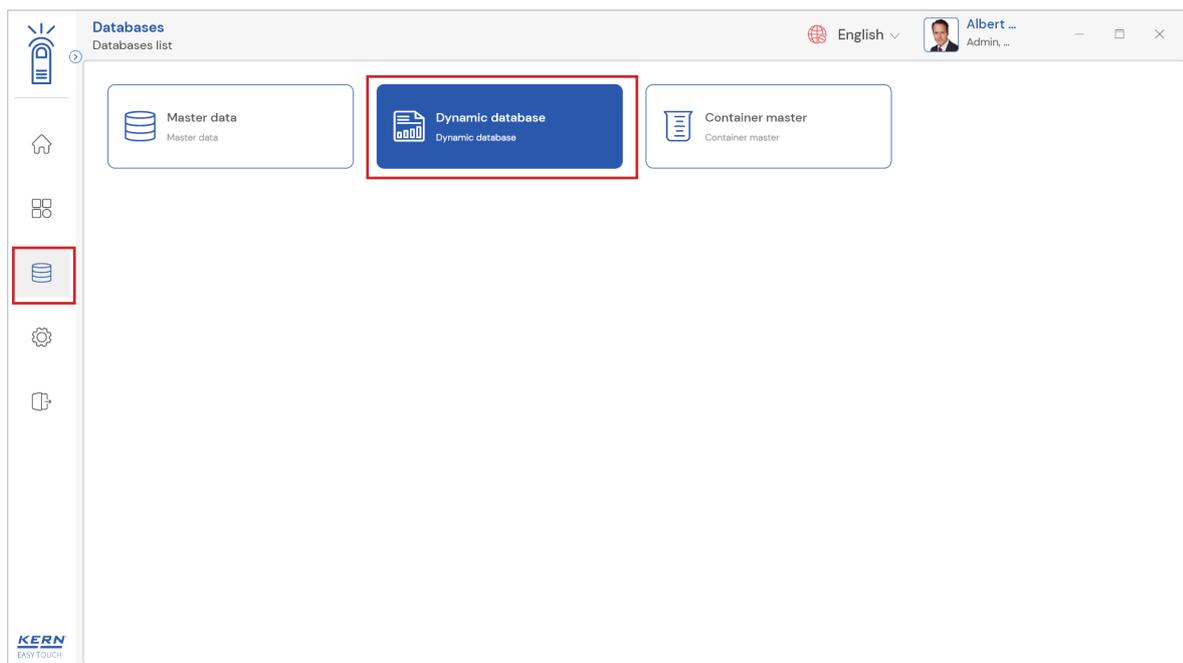
Clicking on the “View analytics & finish“, the below screen would be displayed where the user can see the complete details of the difference weight and can be able to export as PDF, excel, print or can finish the procedure.

Print

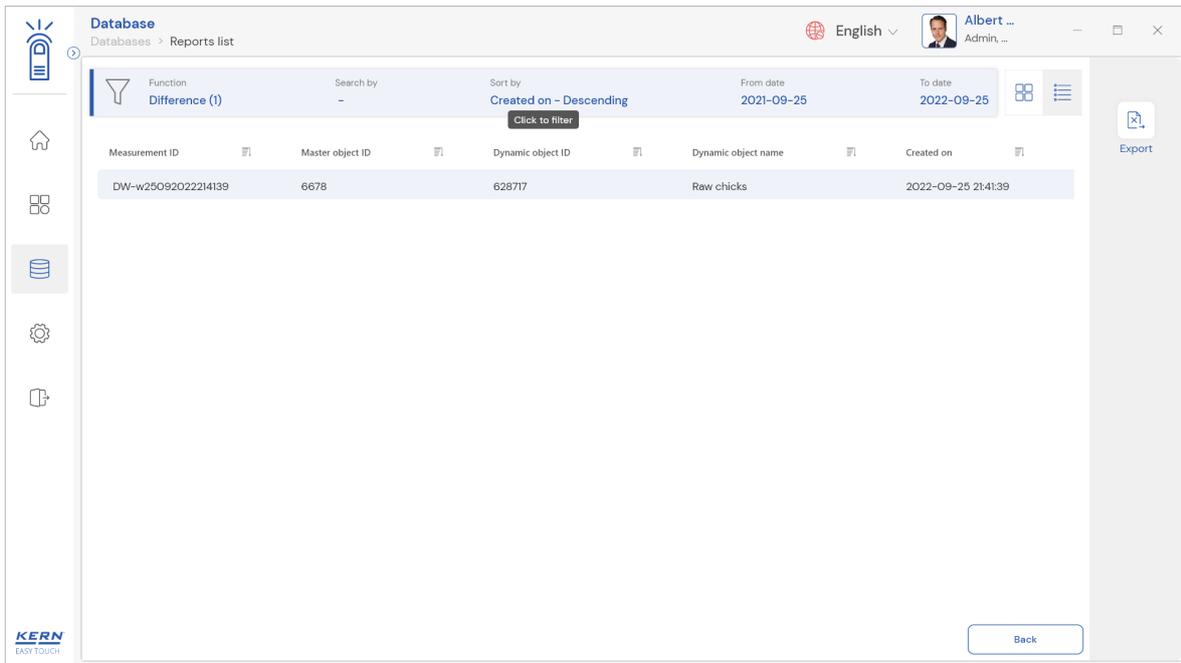
Clicking on the “print” would print the completed procedure.

7.0 Dynamic data

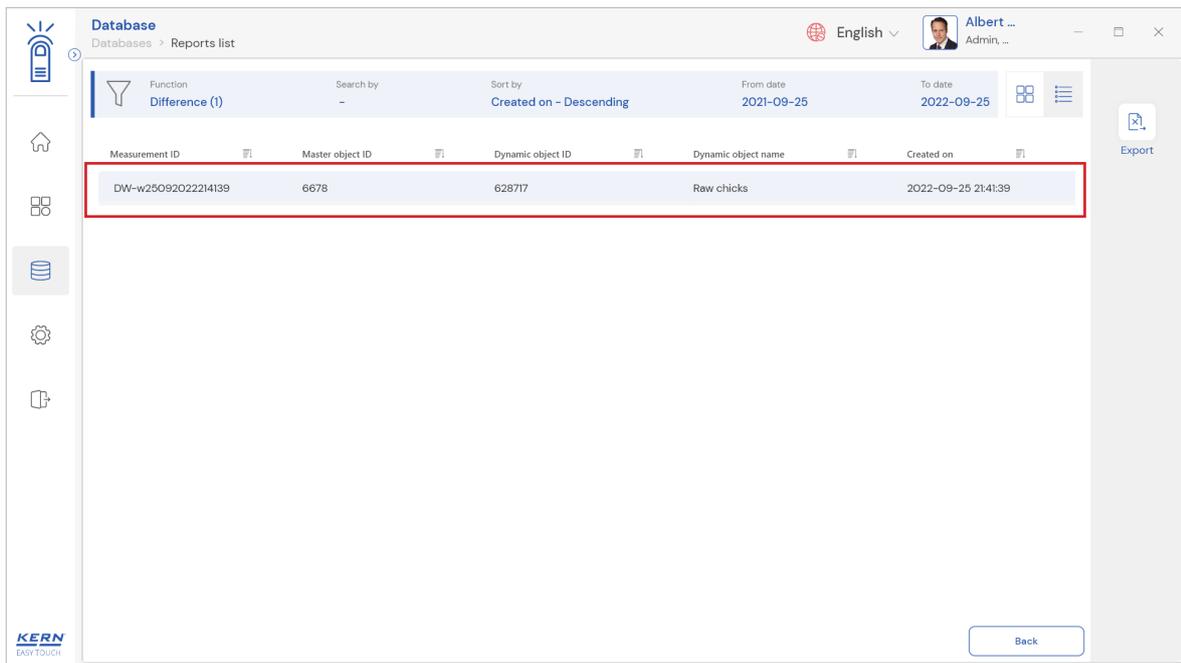
- All the saved data would be found in the dynamic database. Click on the database icon and navigate to the dynamic database



- Click on the filter and the below screen would be displayed. Kindly note, the last used function would be displayed by default.

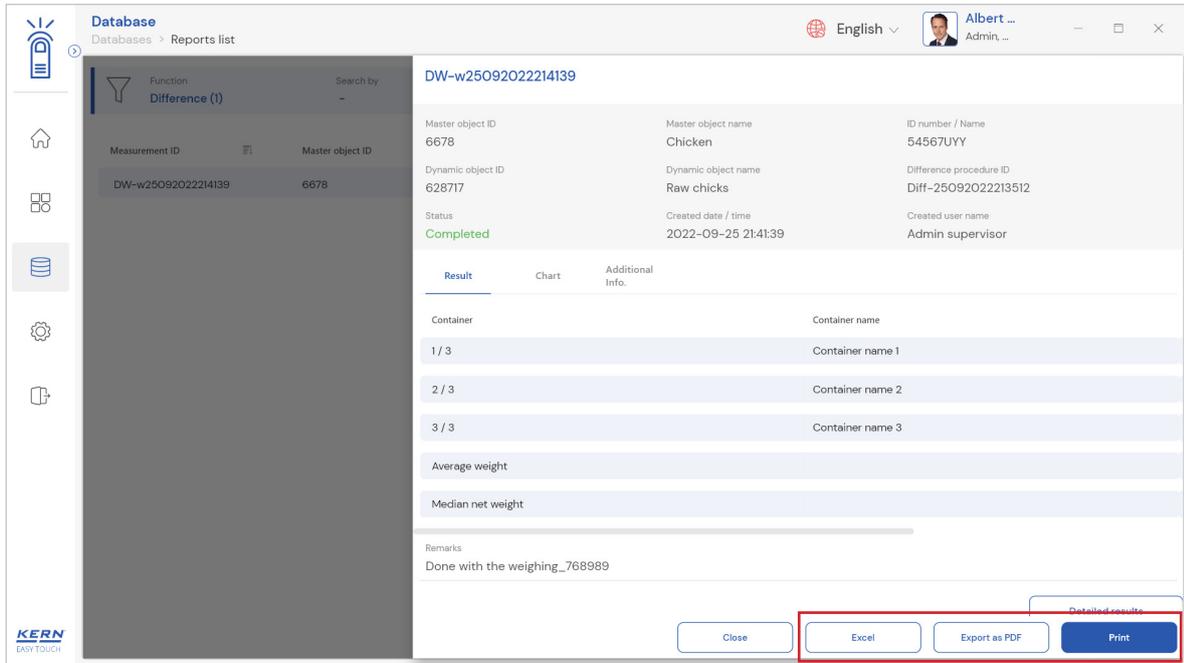


- The list of dynamic data saved against the set filter would be found here
- Click on the required transactional data to see the complete set of details



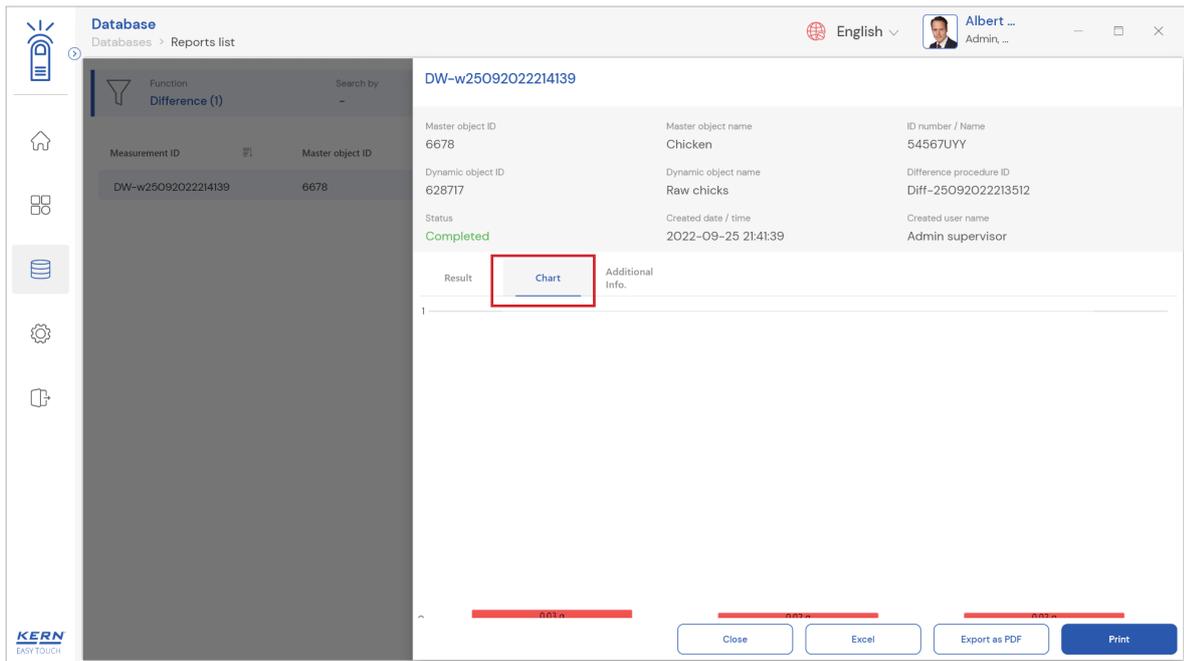
- The saved data can be printed, exported as PDF and exported as excel.

English



7.1 Chart

The difference between the sequence would be displayed in the graphical format for easy understanding of the data.



7.2 Additional data

The additional information as such the customer's name, order or batch number, cost center, comments entered in the result data will be replicated here along with the user information (who saved the result)

Database
Databases > Reports list

English Albert ...
Admin ...

Function: Difference (1) Search by: -

Measurement ID	Master object ID
DW-w25092022214139	6678

DW-w25092022214139

Master object ID	6678	Master object name	Chicken	ID number / Name	54567UYY
Dynamic object ID	628717	Dynamic object name	Raw chicks	Difference procedure ID	Diff-25092022213512
Status	Completed	Created date / time	2022-09-25 21:41:39	Created user name	Admin supervisor

Result Chart **Additional Info.**

User information

Customer name: **Reger Ina**
Order / Batch number: **7678909**
Cost center: **Balingen**
Comments: **Please store it below 18 degree**

Result generated by: **Admin supervisor** on 2022-09-25 21:41:39
Marlensoft, Tambaram, 656453, Chennai, India.
9089865643, marlensoft@gmail.com,
www.marlensoft.com

Close Excel Export as PDF Print

The end

English