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 Percentage weighing
User manual

Version 1.1
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GB

English

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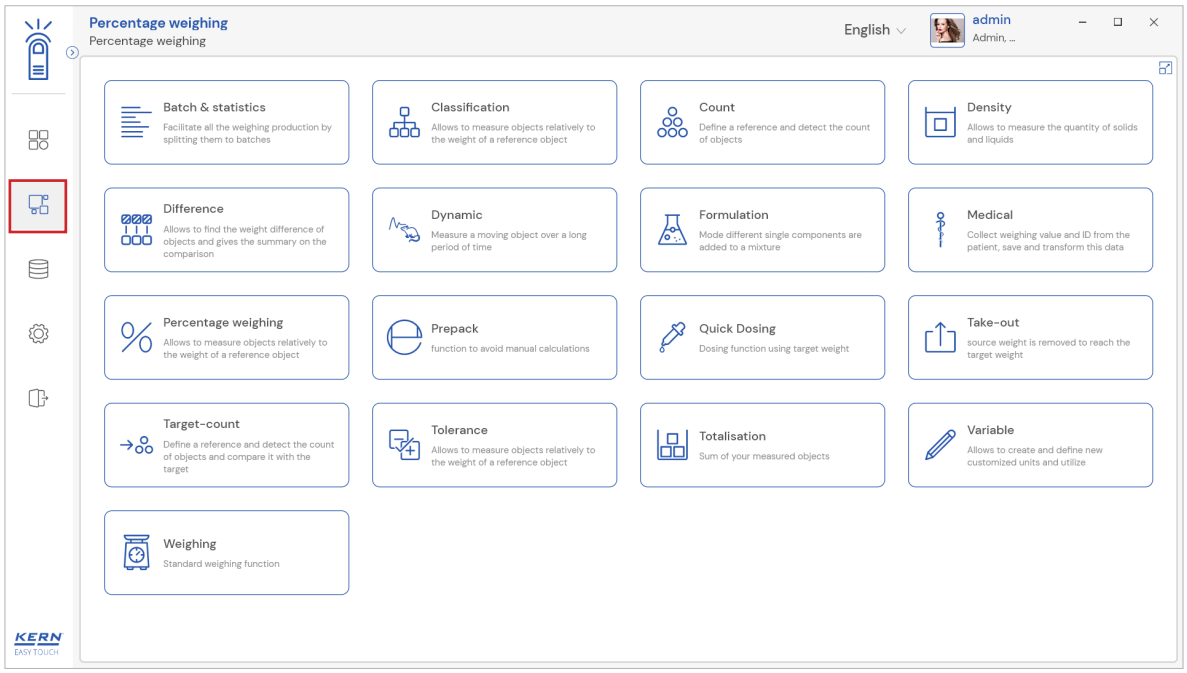
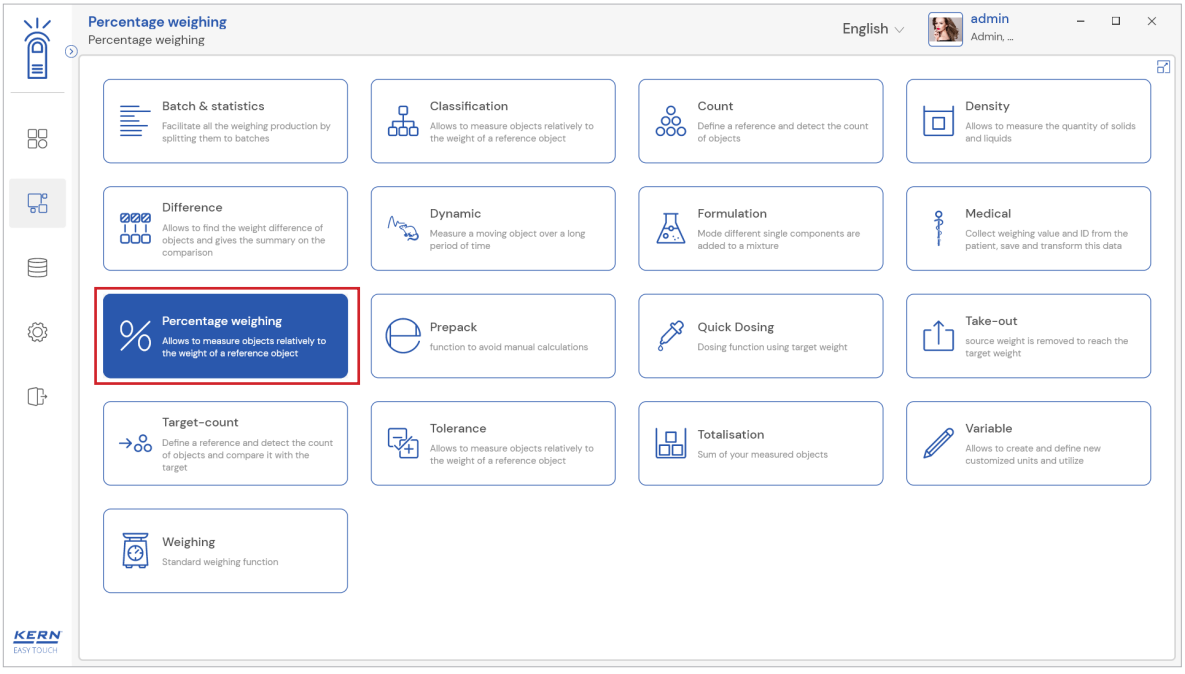
1.0 Introduction to percentage weighing

This function offers the possibility to display the weighed sample in percent value comparing the reference weight and taking the weight from the scale and marking the weighed value as reference and weighing the objects.

- Click on the function menu from the main menu.

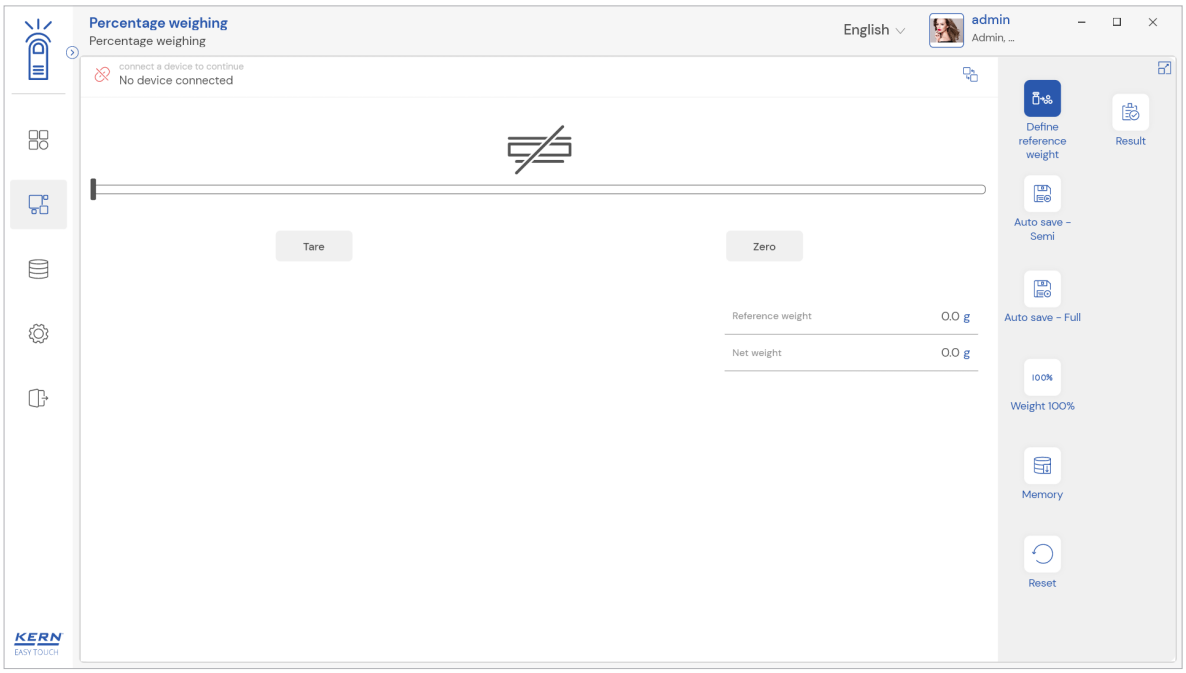


- The function list screen will open. Click on the percentage weighing function from the function list



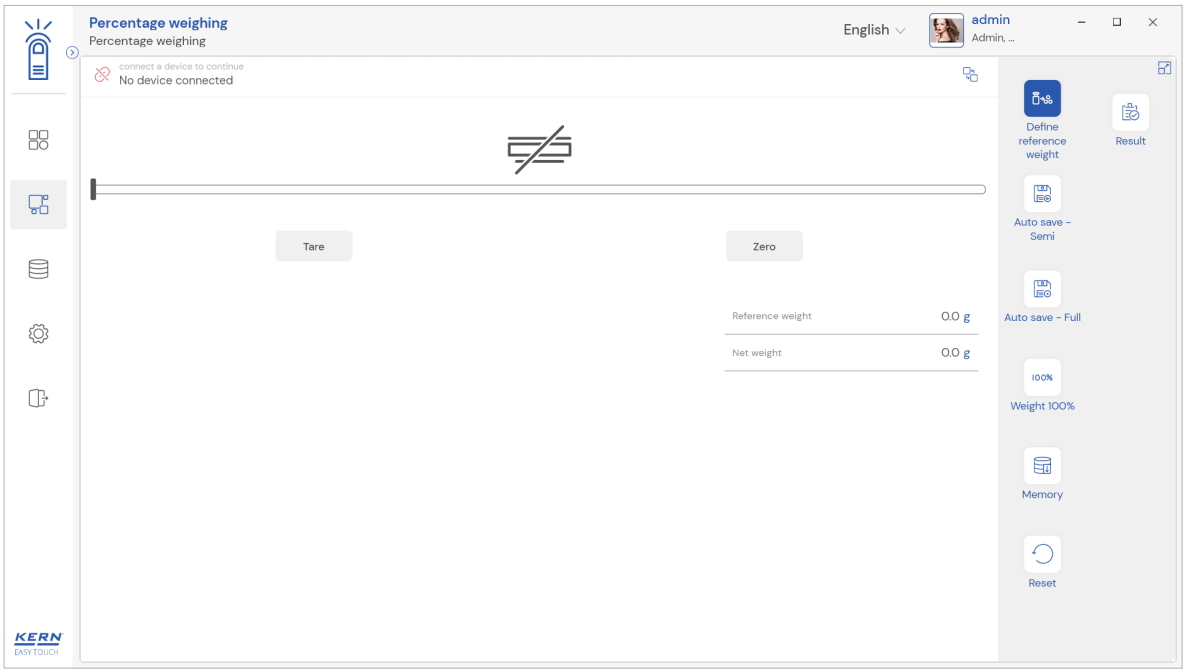
- The main screen of the function appears,

English



2.0 Device features

The device features can be utilized upon connecting the device with the weighing scale.

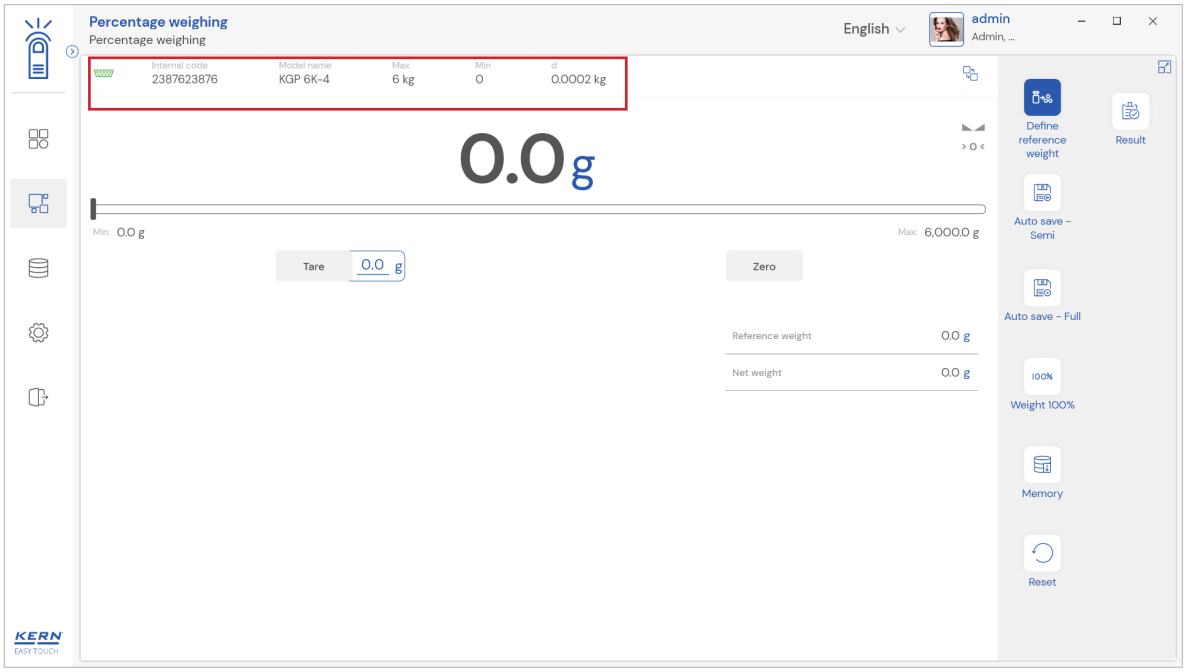


- Indication of “no device being connected” will be displayed.
- The functional features will be displayed in the right-hand side of the screen
- The provision to minimize and maximize were also being given in the upper right corner of the screen to get a full view mode
- Now connect a device to proceed with weighing of an object by clicking on the “Connect a device to continue”
- Connect a device which is physically connected to the system and now the weighing mode is activated, and screen looks as per the below.

2.1 Device details

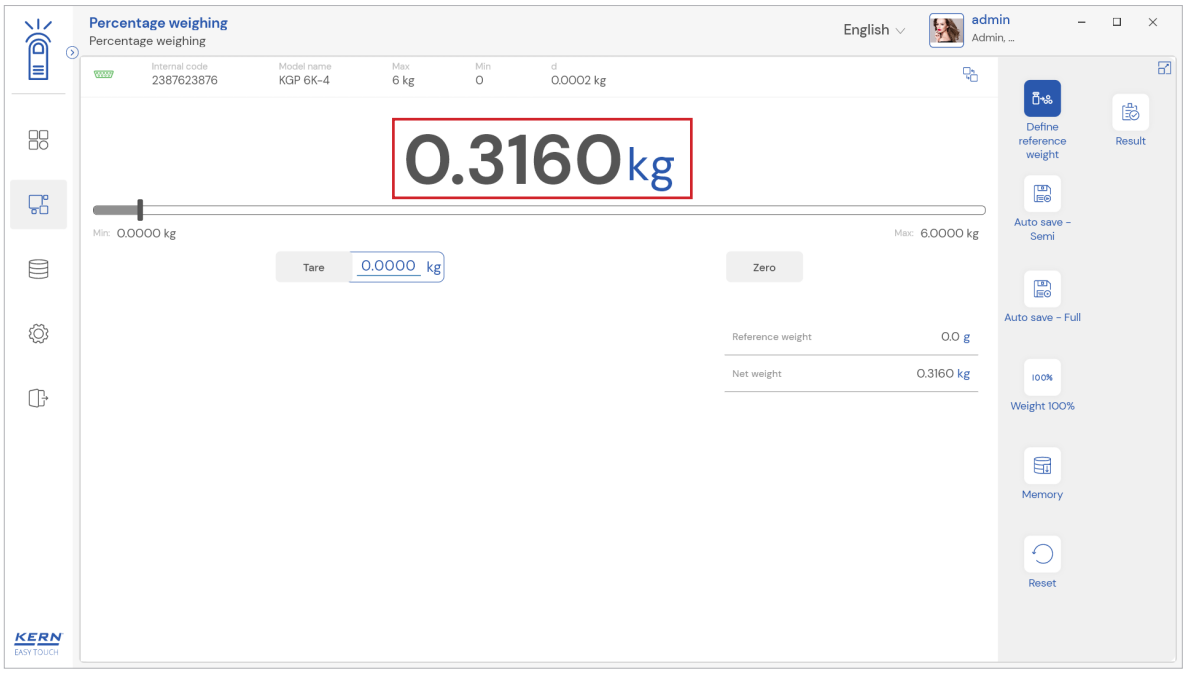
The system will display the prominent details of the device as such internal code, model name,

min, max, d and e value (in case of verified weighing scale) once the device is connected.



2.2 Net value

The weight on the scale would be displayed with the default unit in gram.



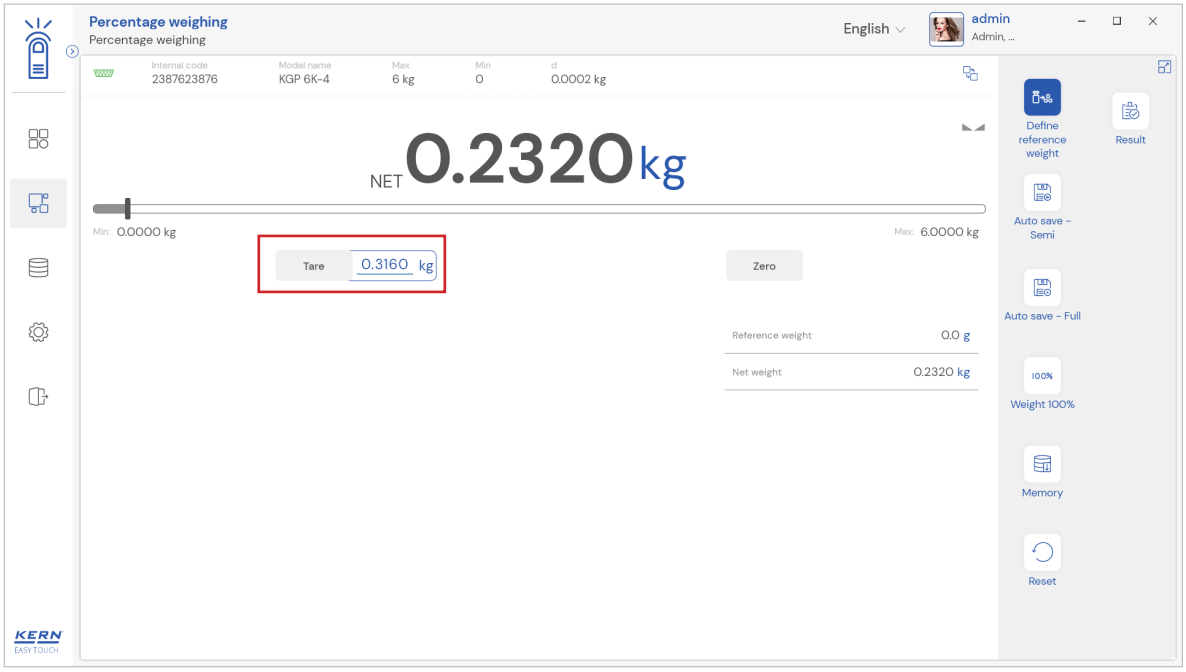
2.3 Tare:

User can utilize the tare in two ways

2.3.1 Auto tare

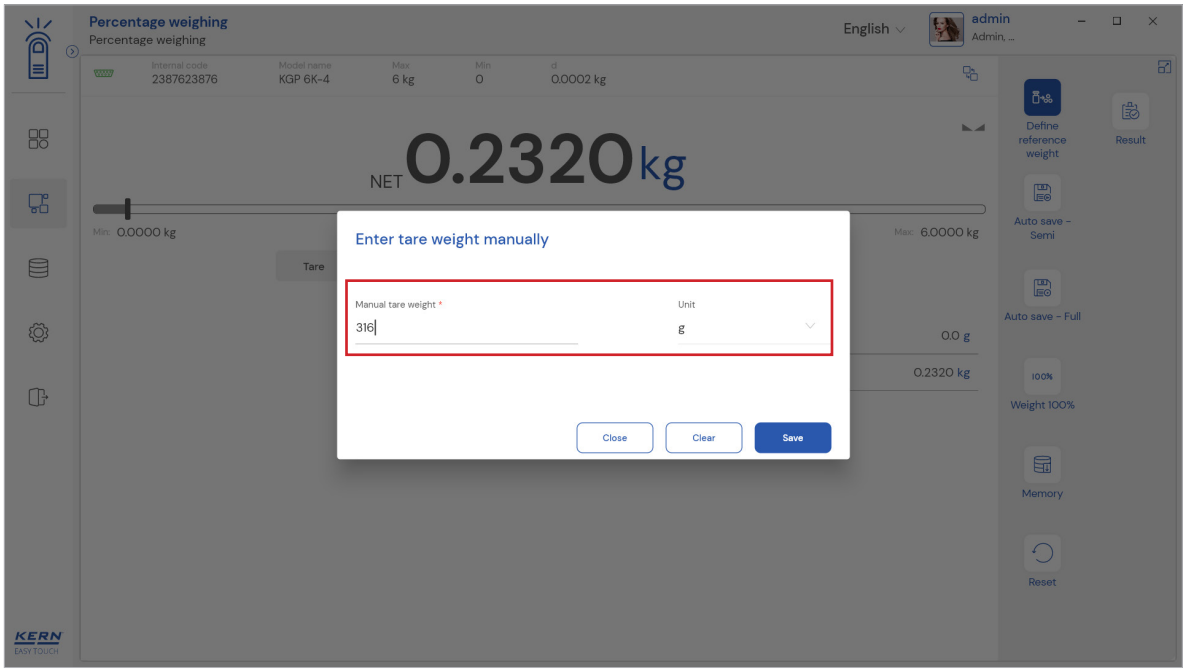
Place weight on the scale and press the tare button. The weight on the scale would tare.

English



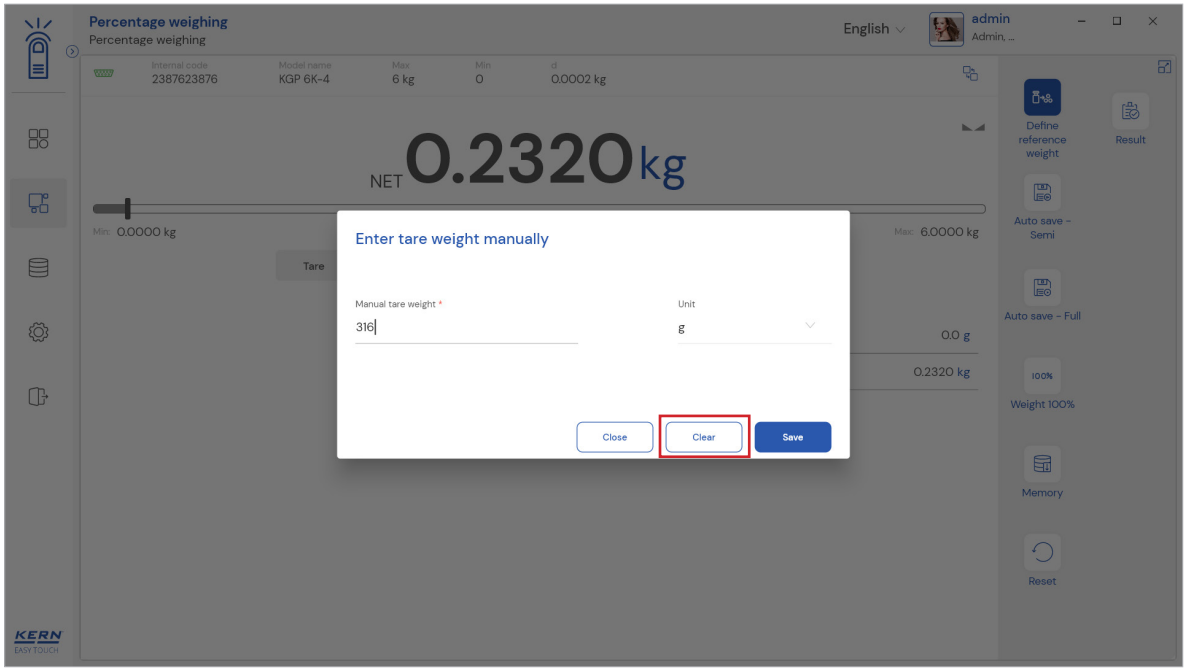
2.3.2 Manual tare

Click on the hyperlink against the tare and enter the tare value.



2.3.3 Delete tare value

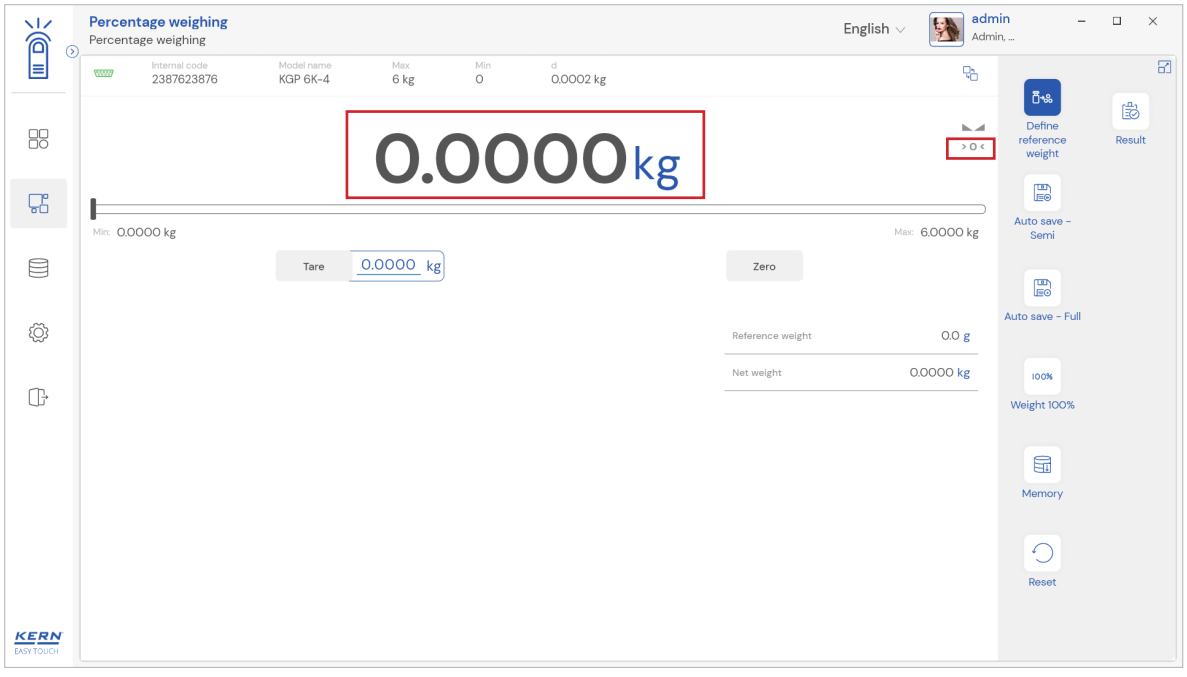
- Click on the clear to delete the tare value manually or remove the weight on the scale and click on the zero button.
- Kindly note, the zero works only when the weight on the scale is less that 2.5 % of the max value of the device.



2.4 Zero

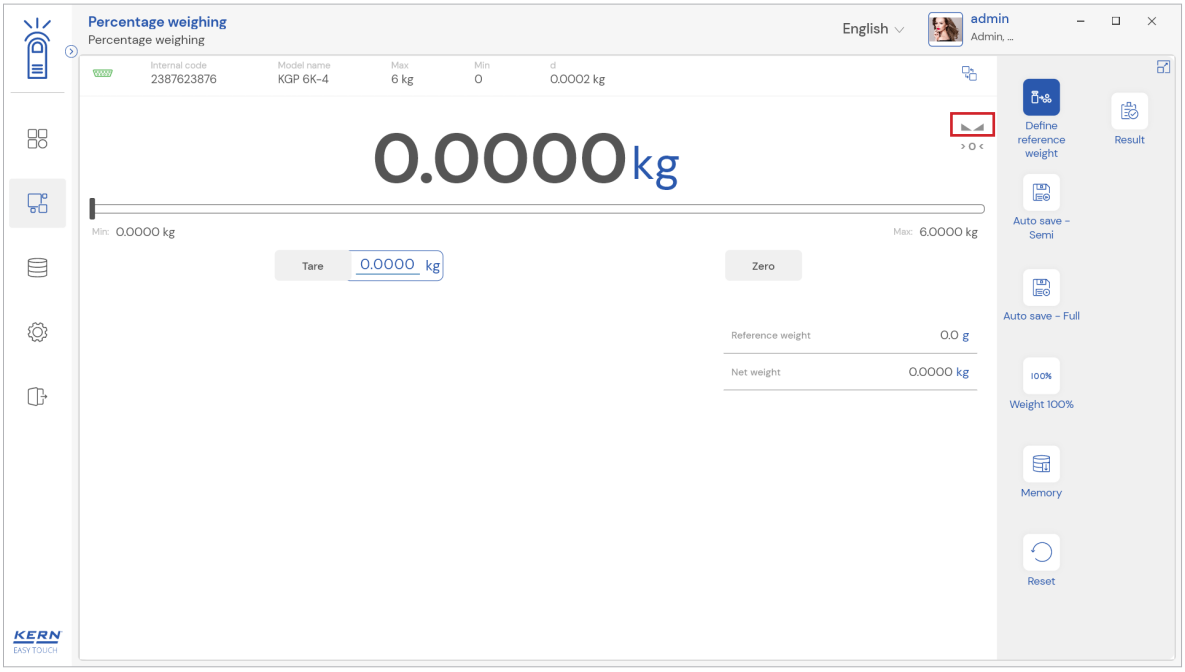
The Zero is used remove the unwanted weight from dust, rust, or other build ups. This is used when there is nothing on the scale, but the reading doesn't display Zero.

- The expected is to set the weight measurement starting from zero.
- The zero will be indicated by the Zero indicator.



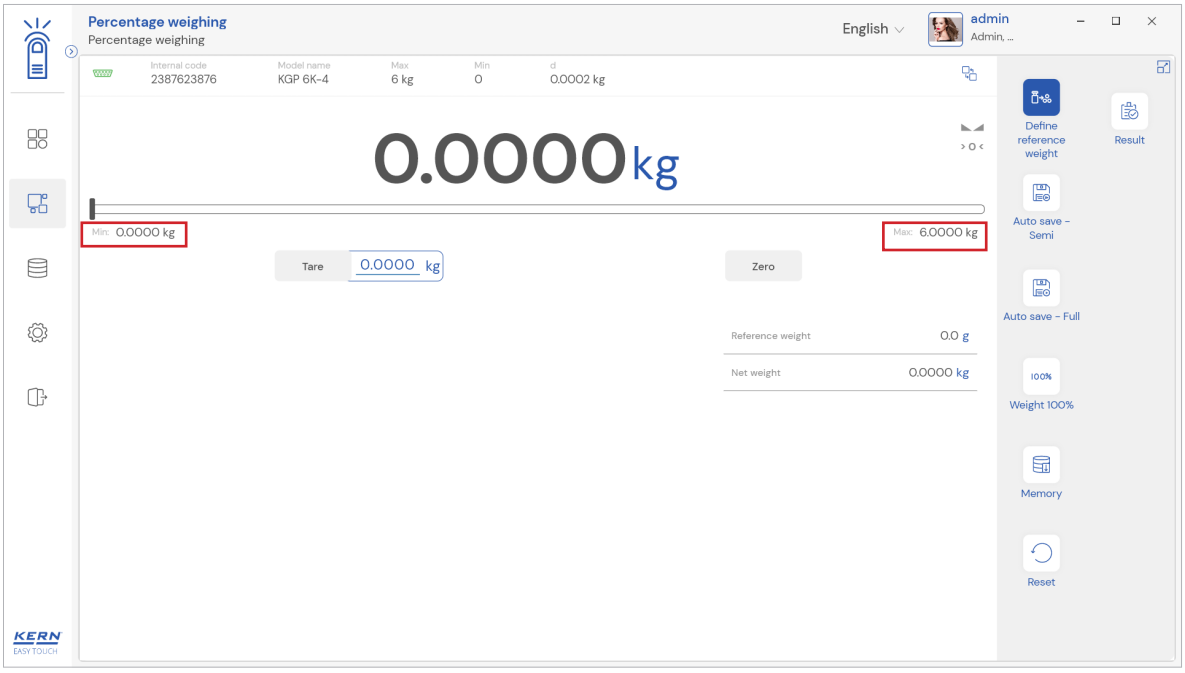
2.5 Stability

The stable indicator will be displayed once the weight on the scale gets stabilized.



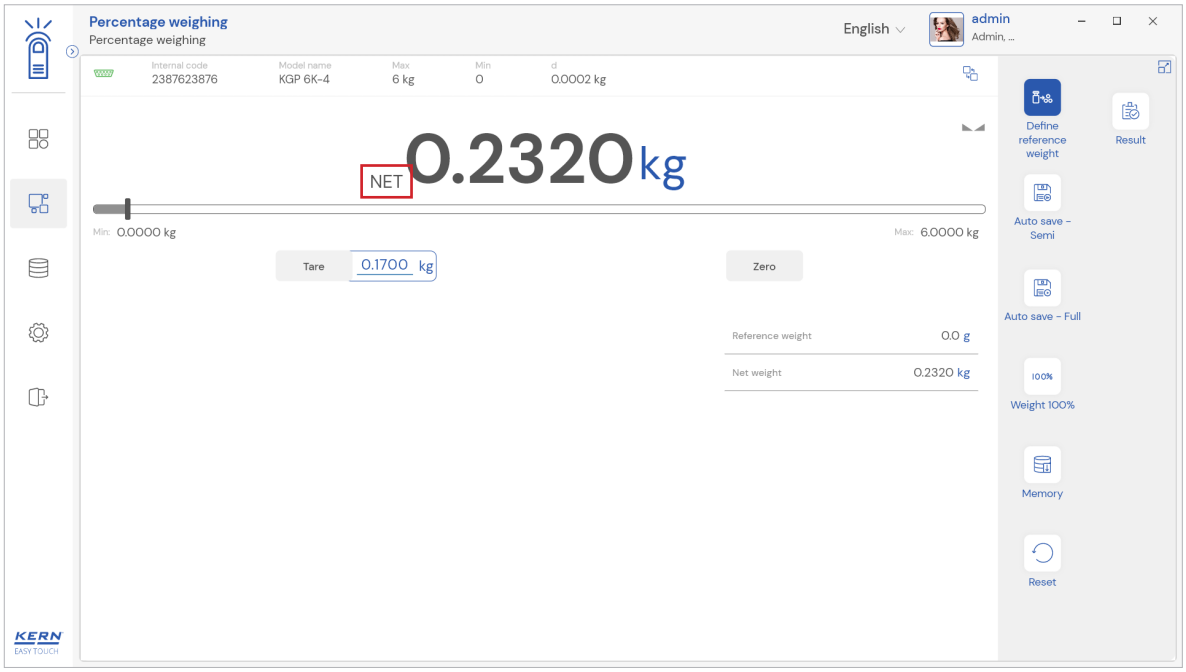
2.6 Min and max

The minimum and maximum value that the device can hold will be displayed under the progress bar



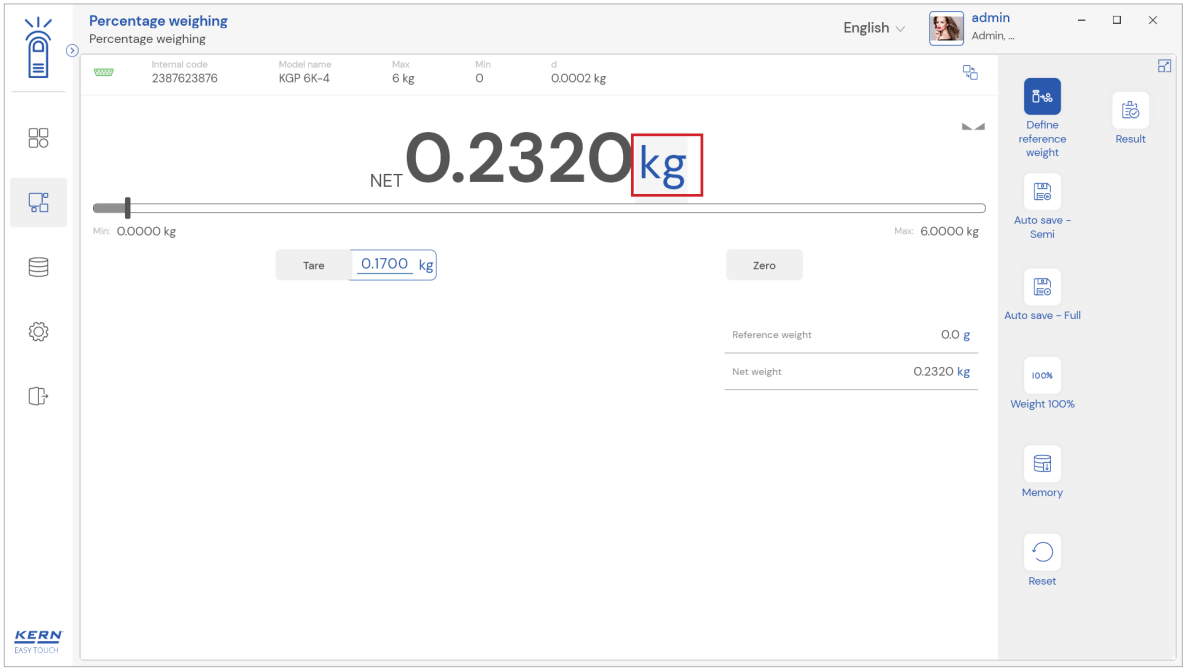
2.7 Net indicator

The net indicator would be displayed in case of tare is being set.



2.8 Unit change

- User has been offered with some of the frequently used units by default units. This can be accessed by clicking on the unit on the weighing screen.
- By accessing the unit, the user gets this screen to swap the unit in case if required. The respective unit can be accessed by the click.



3. Functional features

The start screen for this function appears,

3.1 Defining the reference weight

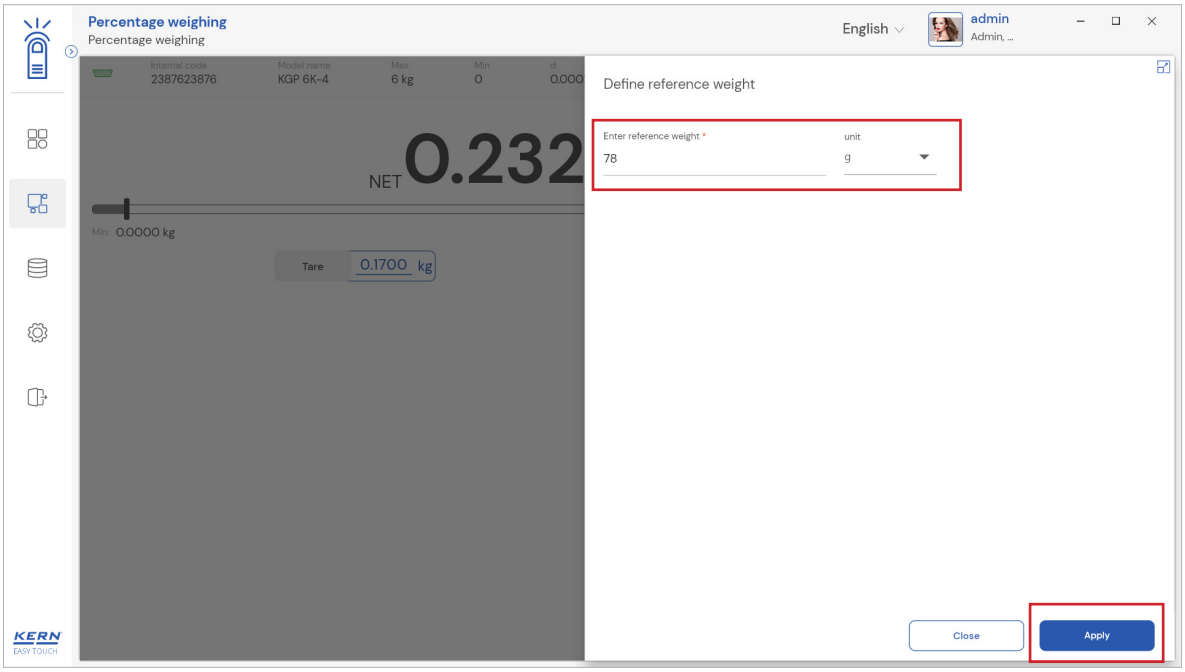
There are two ways to define the reference weight via manually and automatic.

3.1.1 Manual

Define reference weight

English

- Click on the “define reference weight” to set the reference weight
- The below screen appears where the user can enter the reference weight and the respective unit.



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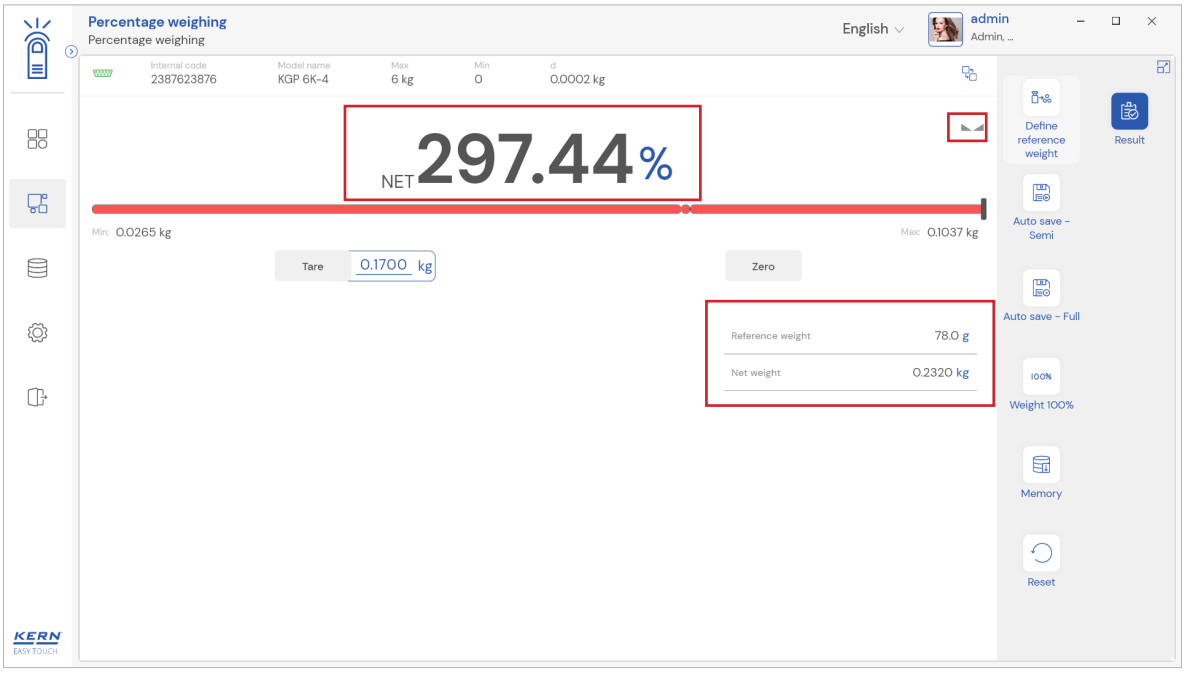
- The entered reference weight will correspond to 100 %.
- Save the entry with the button “Save” below right. The reference weight is now determined and is displayed.
- When using the tare, place the respective object and click on tare button or click on the tare button or enter the tare weight manually.
- The tare weight and net percentage is displayed with the indicator “NET”
- Now, place the required object on the weighing plate.
- The net weight placed on the scale would be displayed in the percentage value aligning with the set reference weight.



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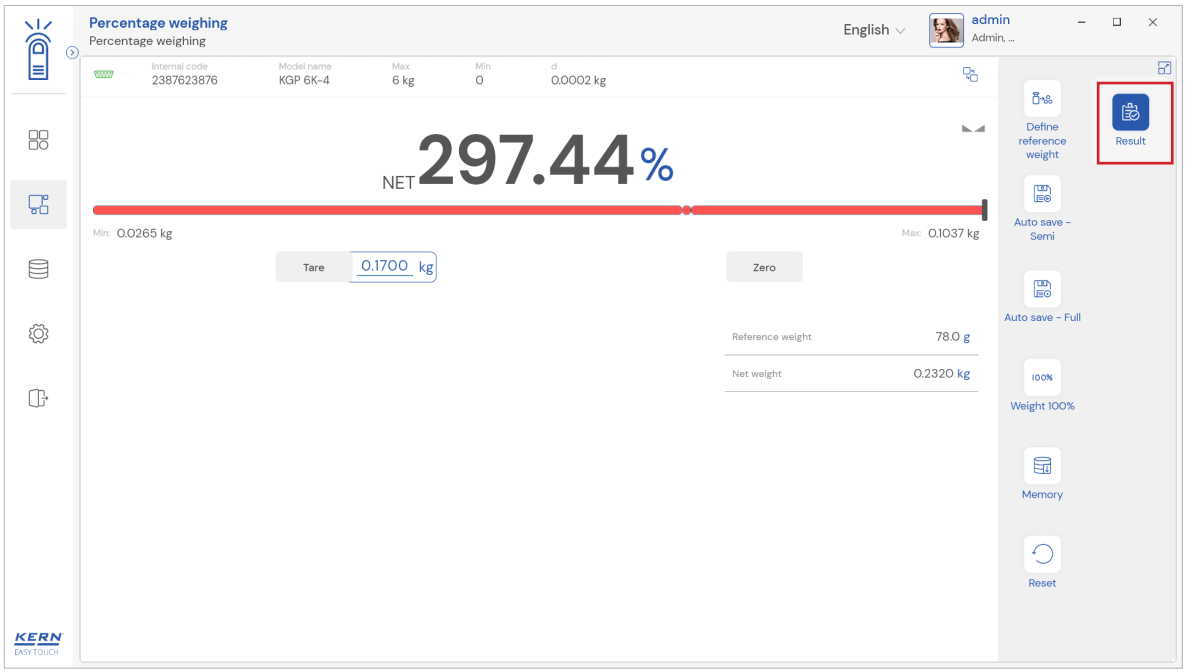
- The net weight along with the reference weight would be displayed in the screen for user’s

reference.

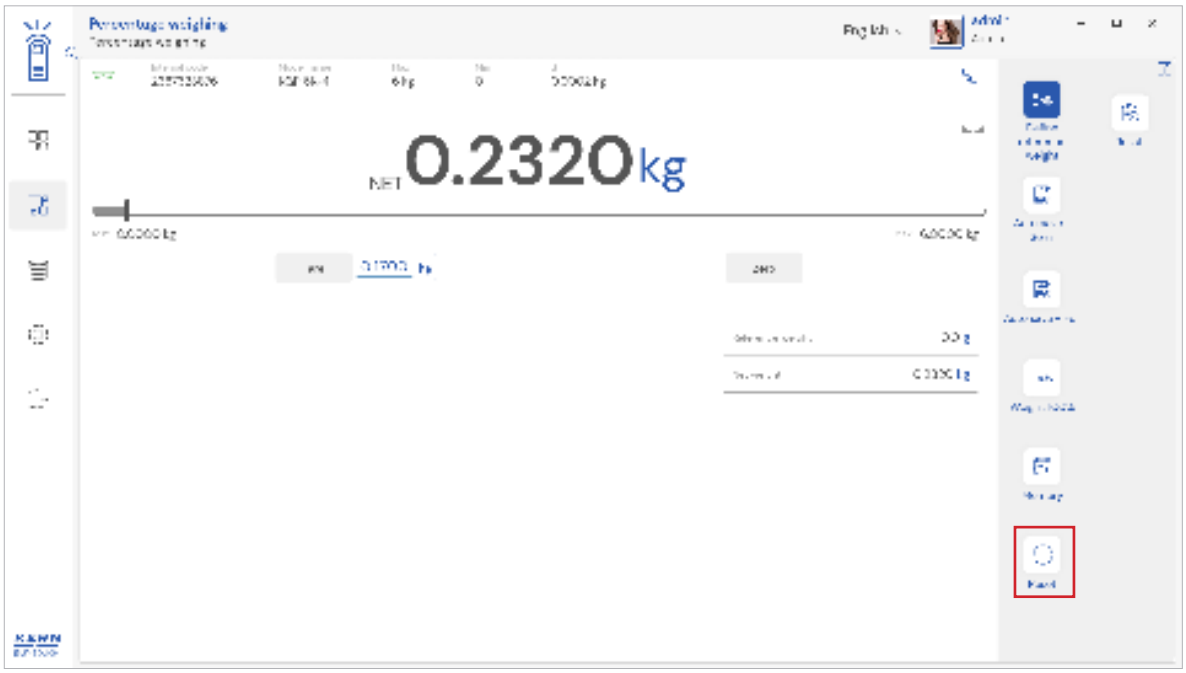
- Click on the result button to proceed in saving the data.



3.1.2 Auto

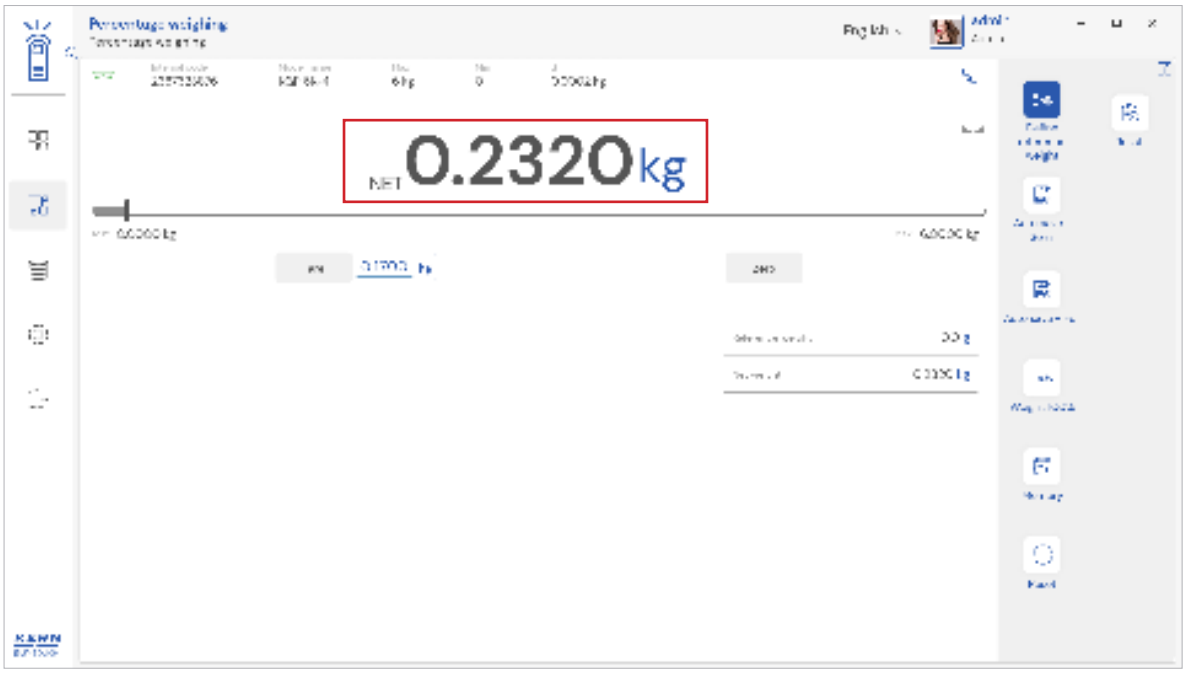
Weight 100 %

- Reset the process before defining the reference weight of the object automatically by clicking on reset.

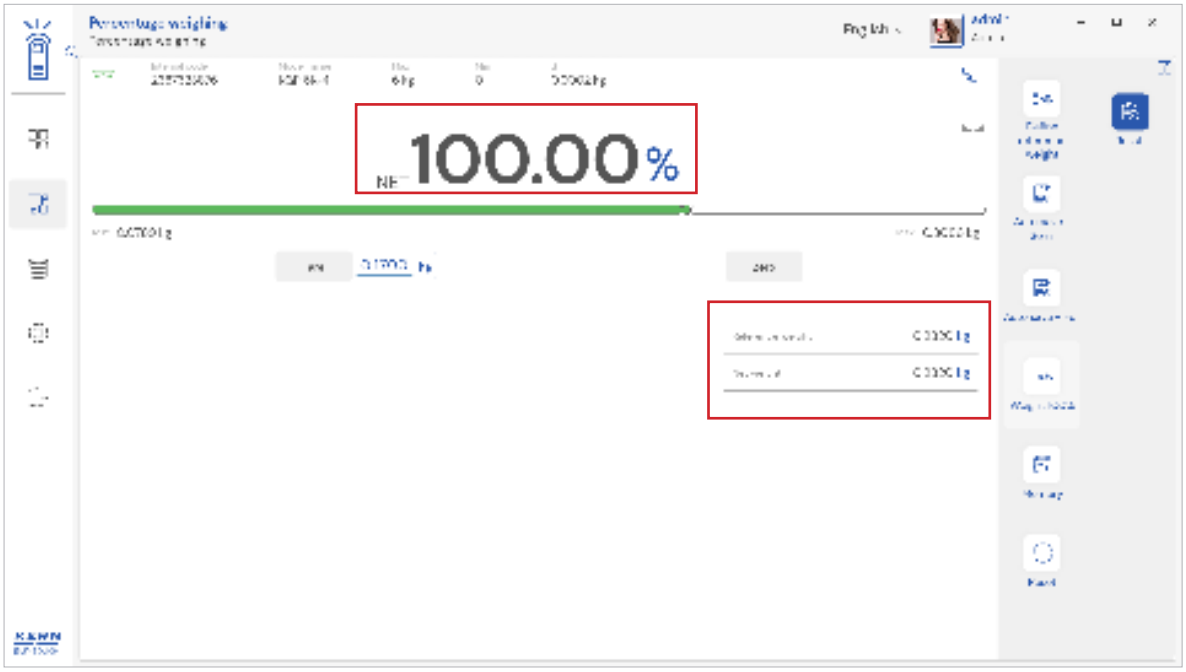


- Place the object or weight in the weighing machine which is required to be taken as a reference. The object weight would be taken as a reference weight which corresponds to 100%.

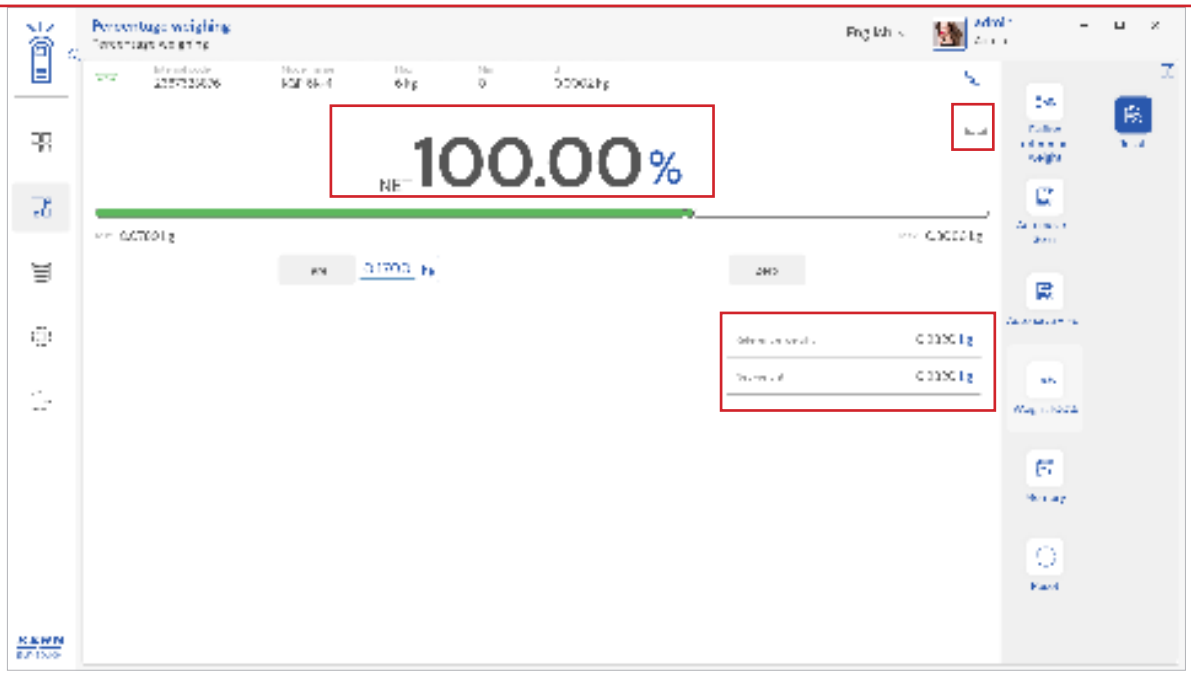
English



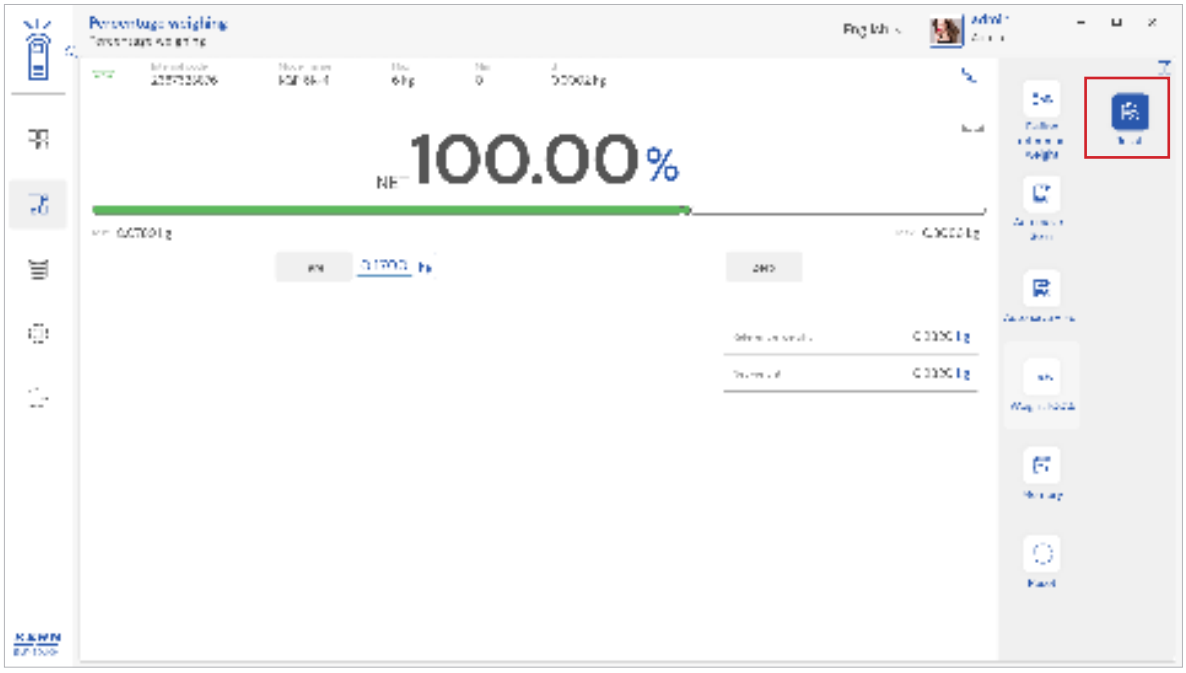
- This will be set as the reference for the objects that are going to be measured.
- Wait for the stability display and click on the “weight 100 %” menu and now the placed object is being set as reference.



- When using the tare, place the respective object and click on tare button or click on the tare button or enter the tare weight manually.
- The tare weight and net percentage is displayed with the indicator “NET”
- Now place the object for which you have to check the percentage and the system will display the respective percentage.
- The net weight along with the reference weight would be displayed in the screen for user’s reference.

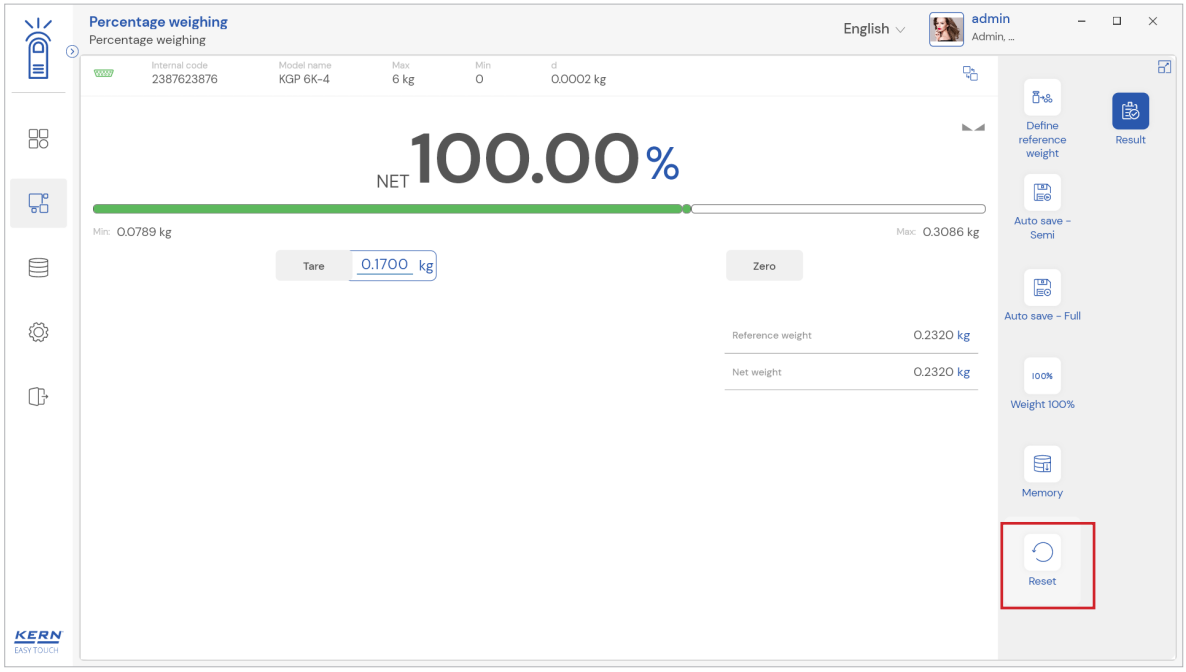


- Click on the result button to proceed in saving the data

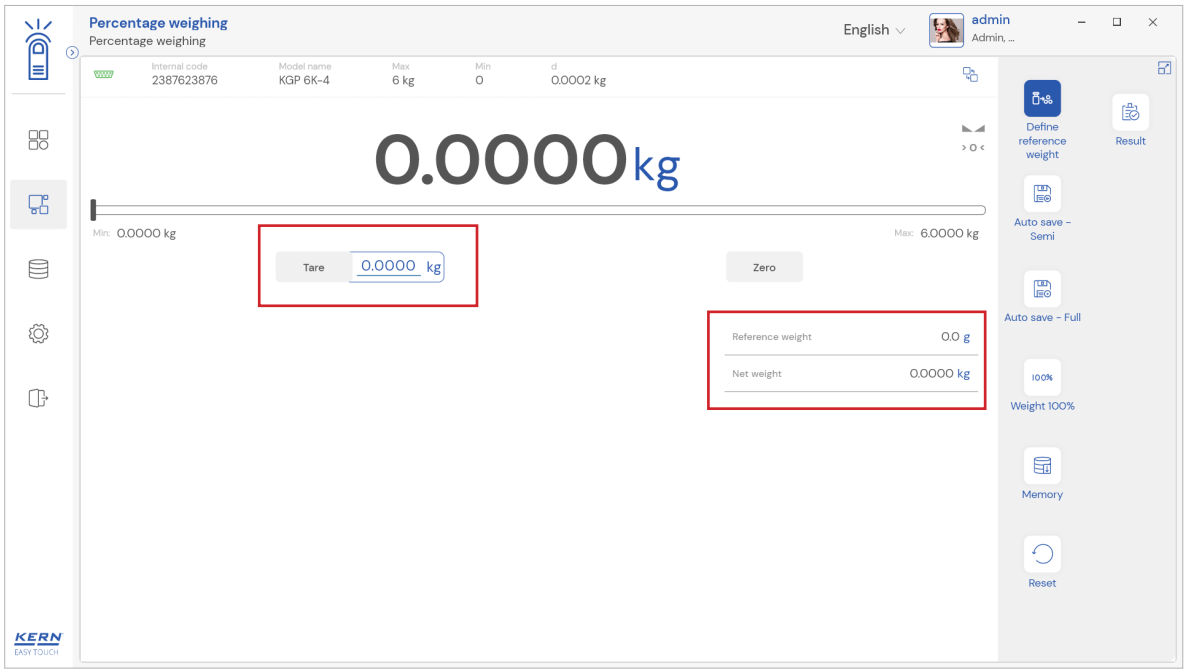


3.2 Reset

The purpose of reset is to clear the stored readings.



Upon clicking the reset, system will reset all the weighed data, applied master data and will be ready to perform the new operation

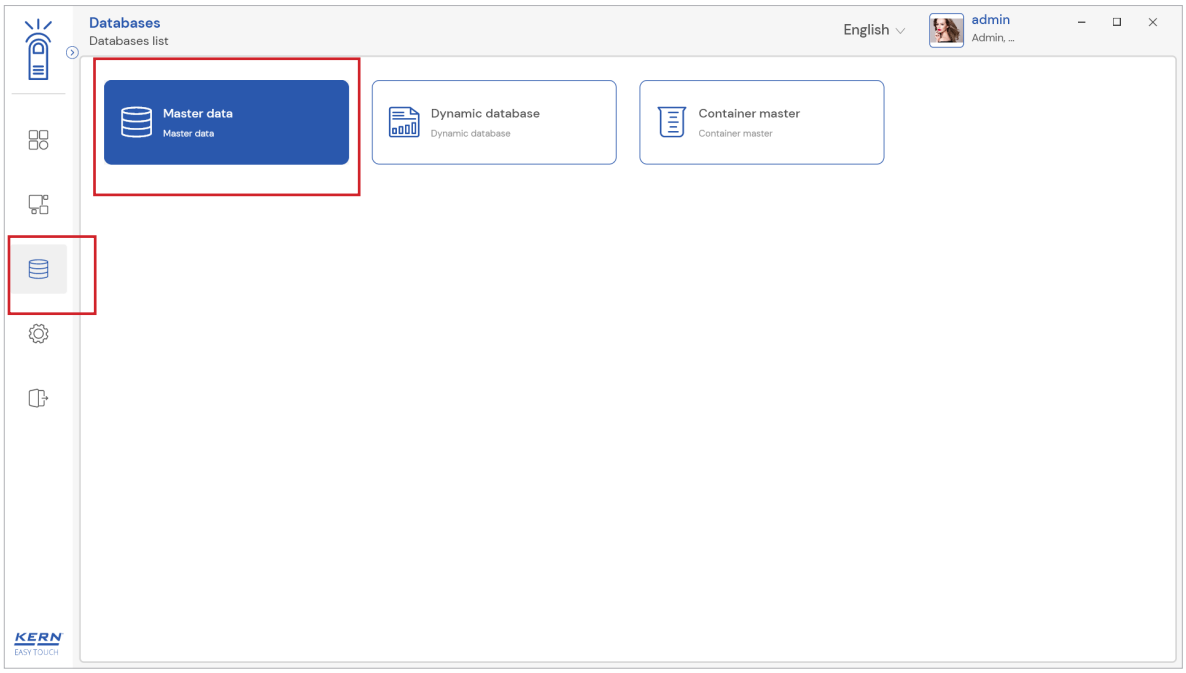


3.3 Memory

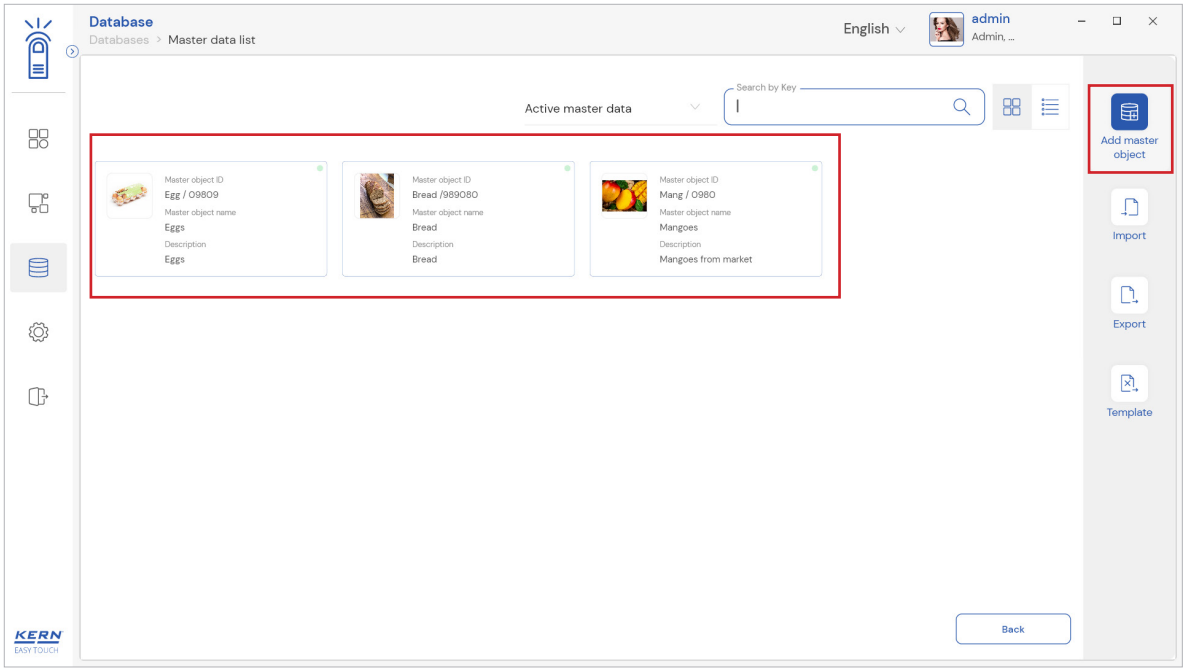
The user might be able to pick an object from the memory where the user can predefine list of objects what you use frequently. The object in the memory can be reutilized.

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

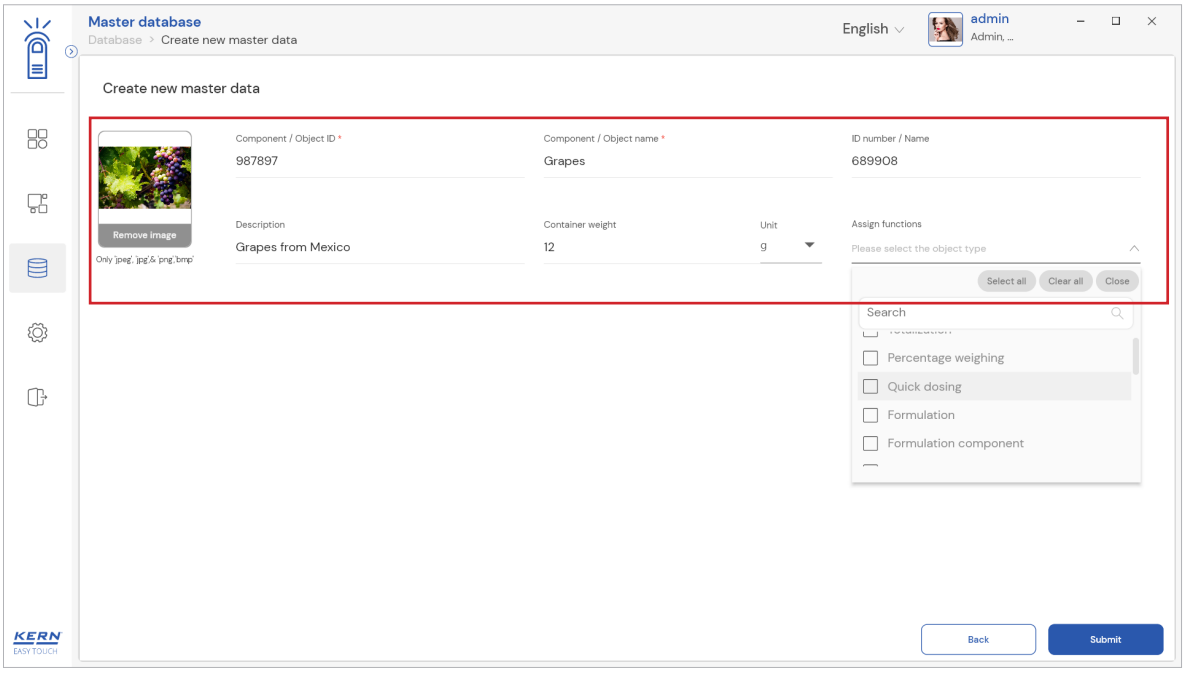
- Click on the database icon and redirect to the master data.



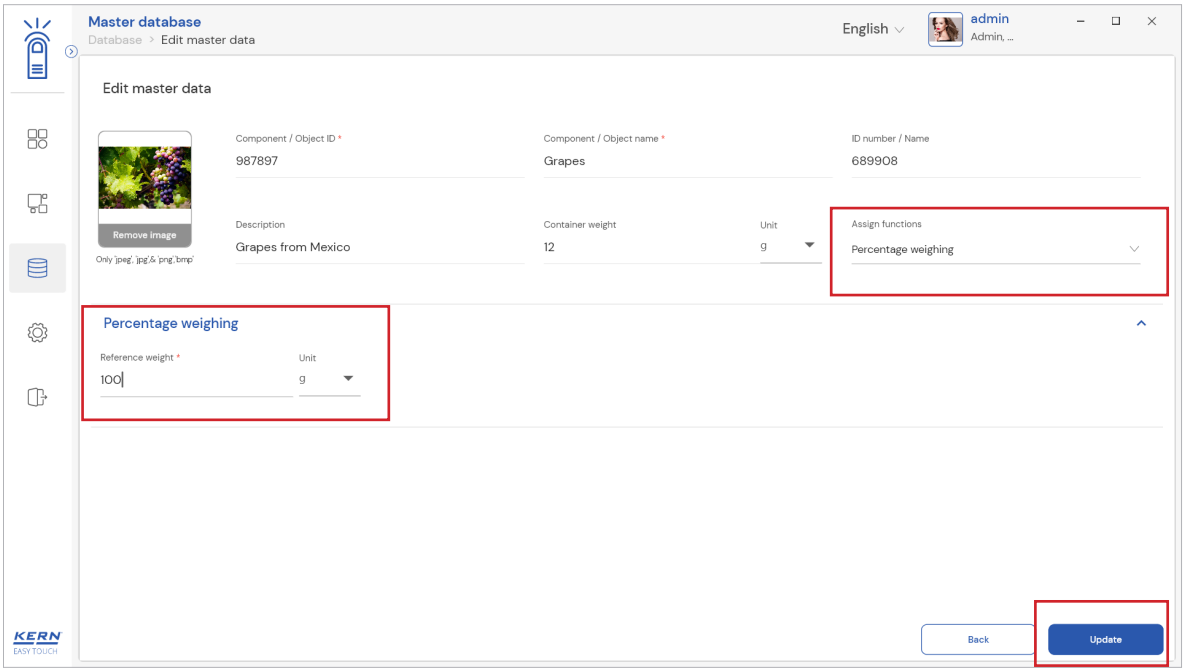
- The below screen would be displayed. The user might be able to see the list of master data objects created here.
- The user can click on the “add master object“ to create a new master object.



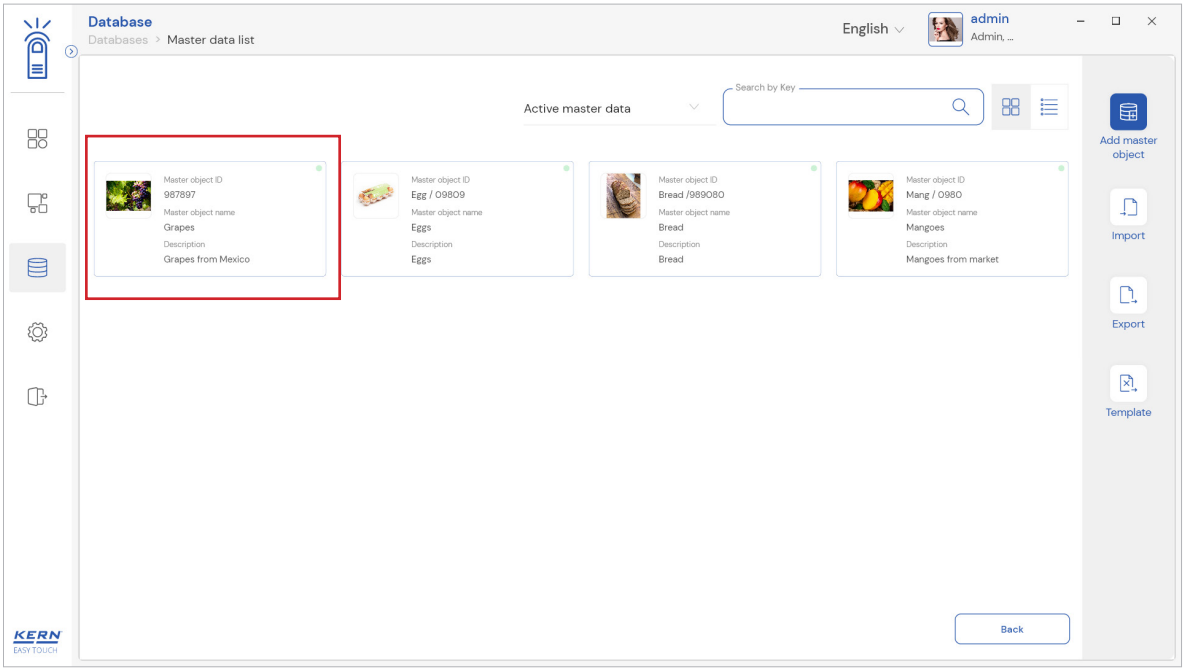
- The user can fill in the information as such component / object ID, Component / object name, ID number / name, description, container weight and the image for the reference.



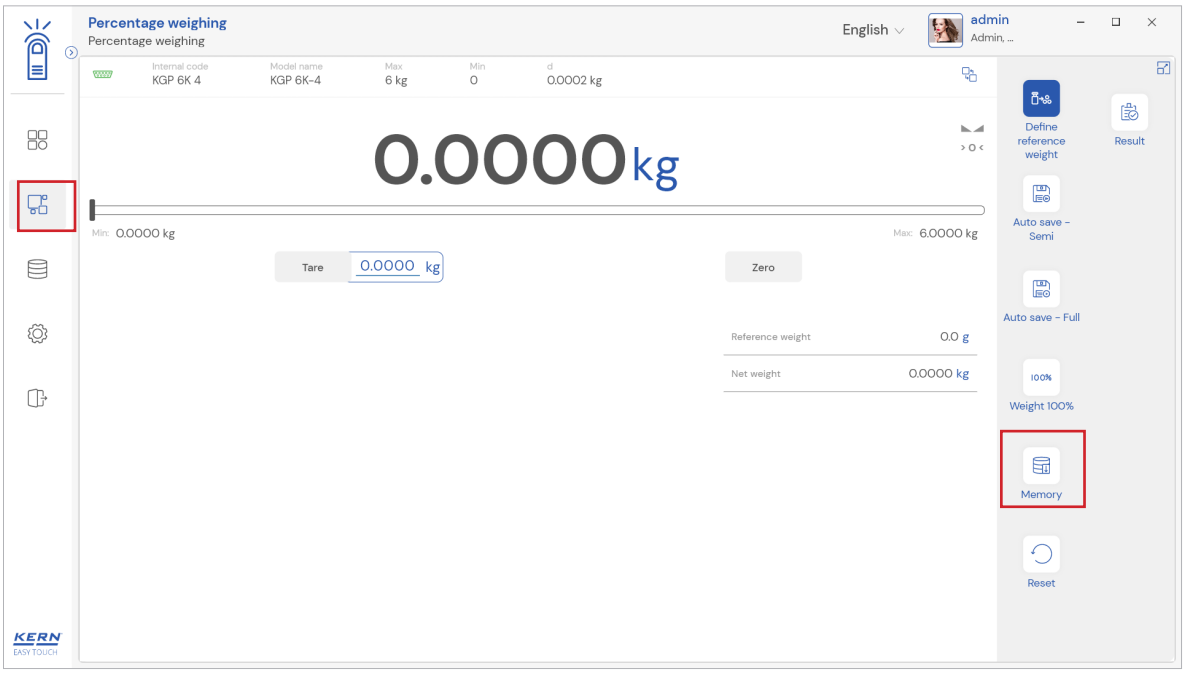
- Now user can select the required function “percentage weighing“ to utilize the properties.



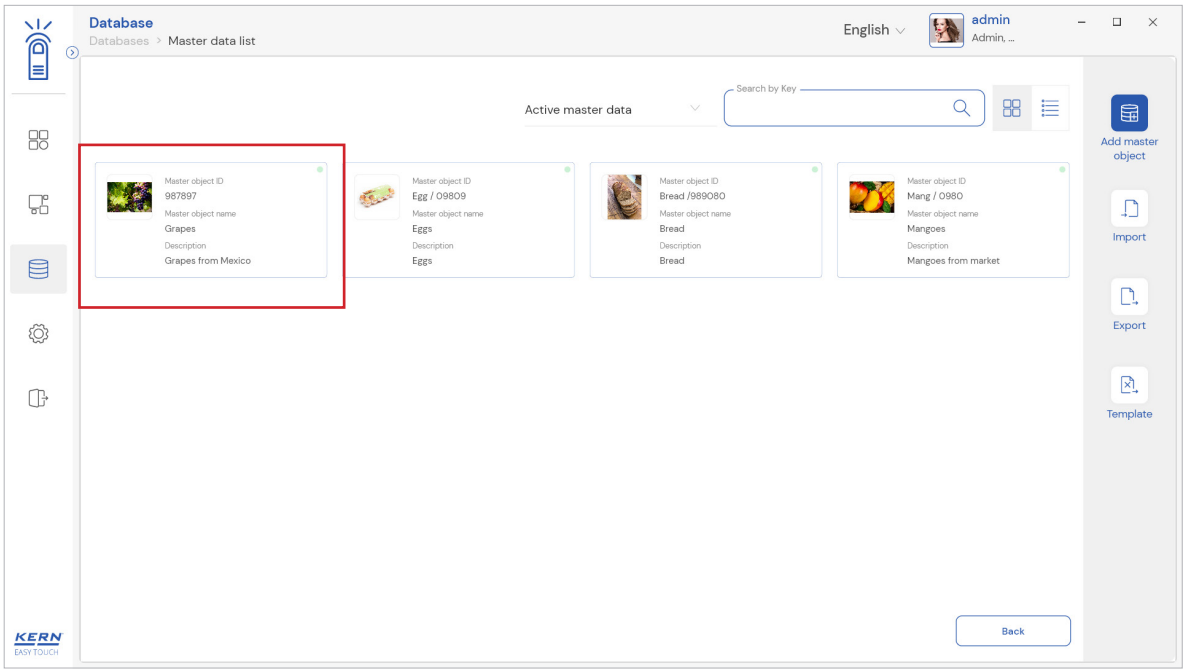
- Upon clicking the function, the functional properties as such reference weight and unit would be displayed
- User can enter the respective values and choose the respective units and click on submit to save the master object.
- The master object data is being saved and user could be able to view the created master object in the master list.



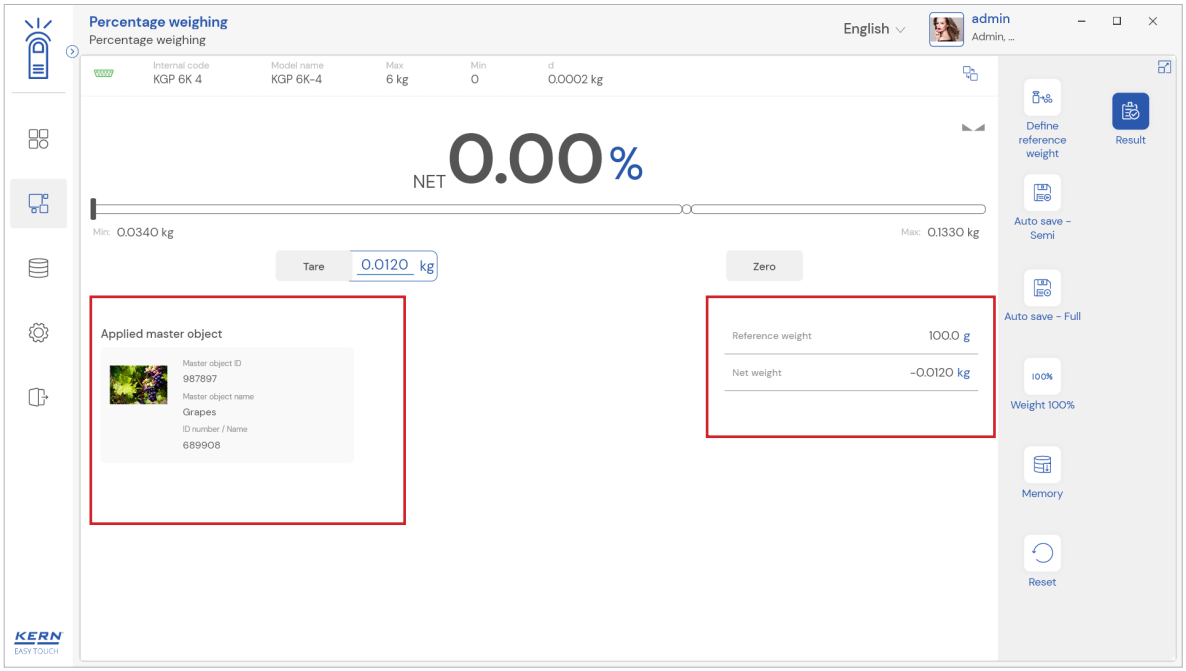
- Now redirect to the function “percentage weighing” to utilize the created master data
- Click on the memory and the user will be taken to the master memory to pick from the list of objects predefined. User can click on the required object to be weighed.



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



- User will be redirected to the weighing screen upon clicking the required object.
- The master object would be added here and the respective target weight and tolerance defined will also be reflecting in the function upon applying the master data with the defined quick dosing properties.



4. Auto save

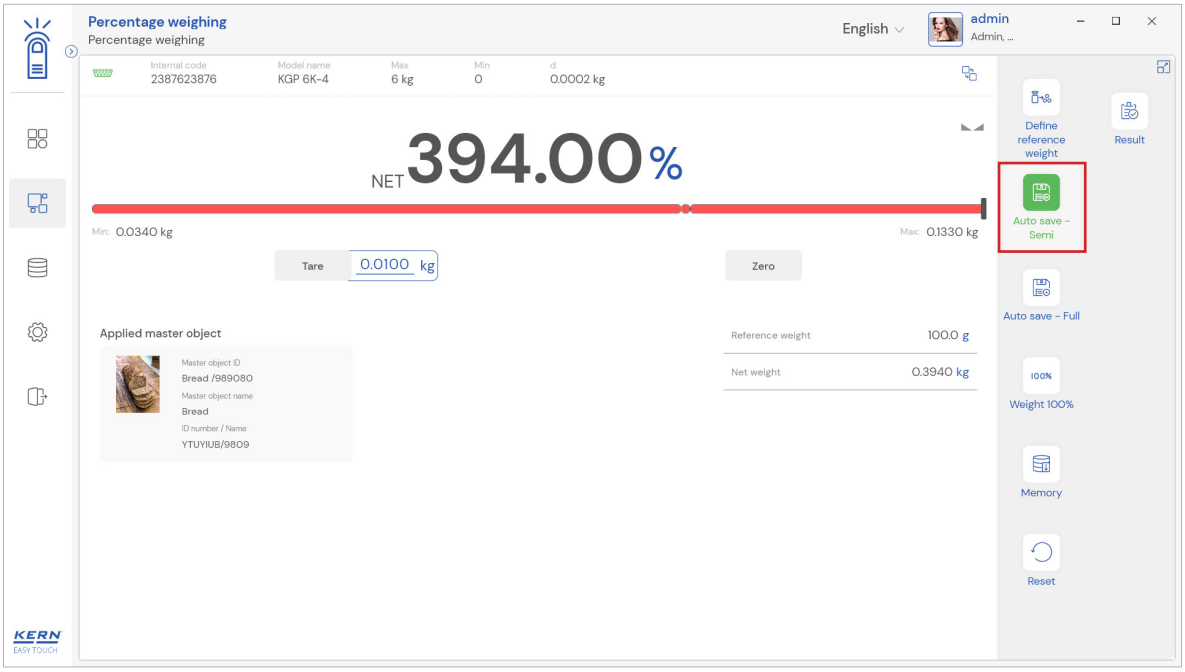
4.1 Auto save semi

- The purpose of auto save semi is to avoid pressing the result button once the measurement is done.
- The user will be automatically redirected to the result screen upon loading and unloading of the weight (until reaching zero) and stabilization of the object placed on the weighing scale.

This might be useful in reducing the work of operators as they might not need to press the result button every time.

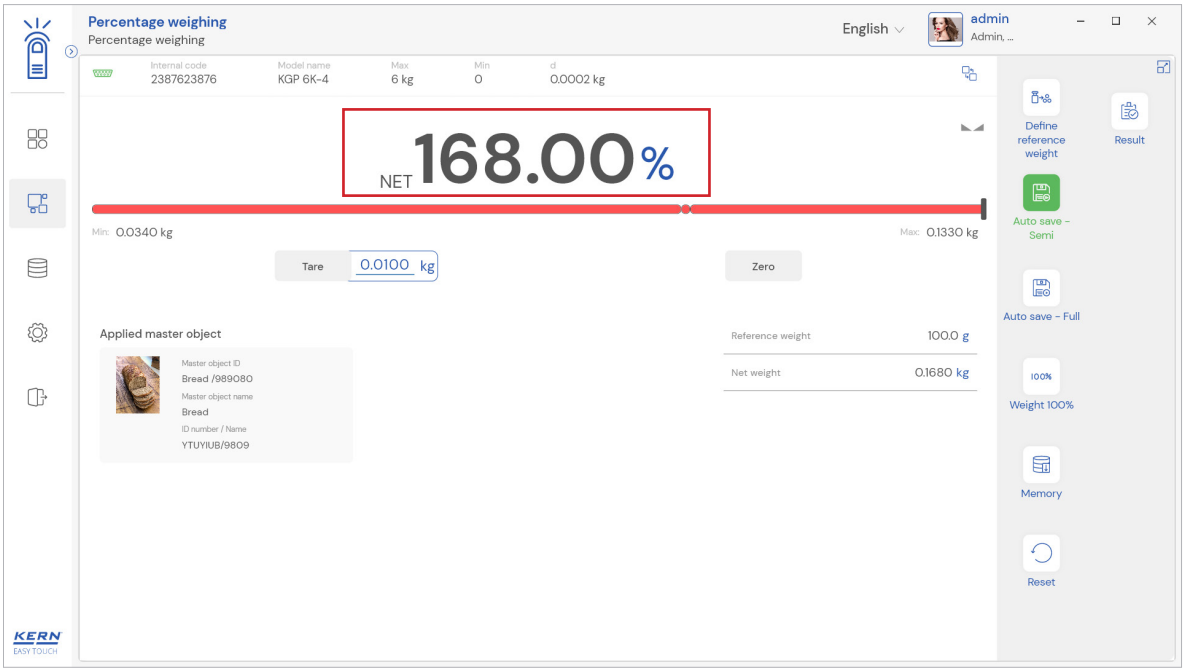
Steps to be followed:

Step 1: Enable auto save semi.

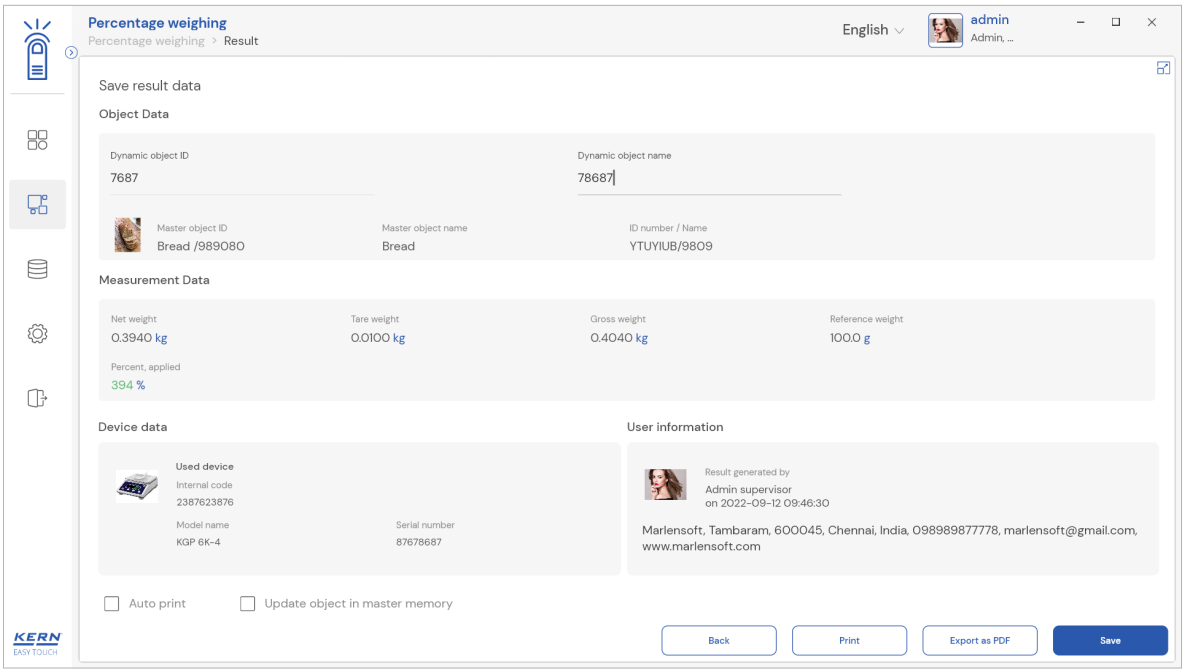


Step 2: Place the object that is required to find the percentage

Step 3: Wait until the weight on the scale is stabilized



Step 4: The user will be automatically taken to the result screen



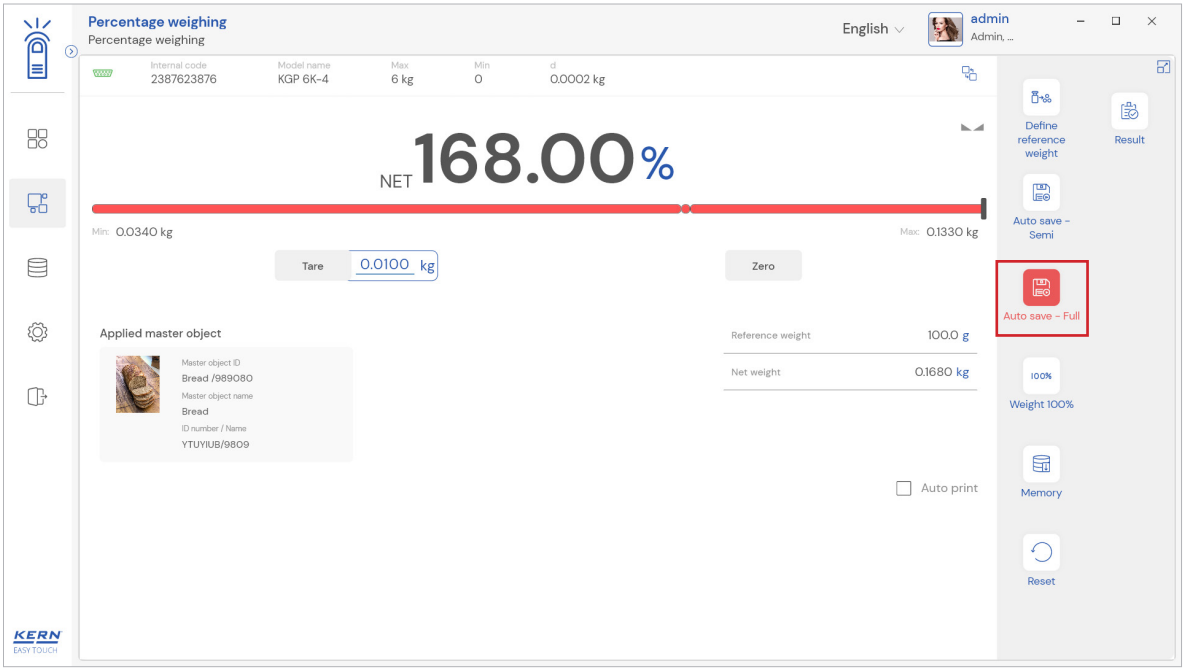
4.2 Auto save full

- The purpose of auto save full is to save the result automatically without moving to the result screen every time once the measurement is done.
- The system will be automatically saving the result data in the dynamic database upon loading and unloading of the weight (until reaching zero) and stabilization of the object placed on the weighing scale.

This might be useful in case if the operators in the industries are handling chemicals and might not be able to touch the application screen due to grease or other conditions.

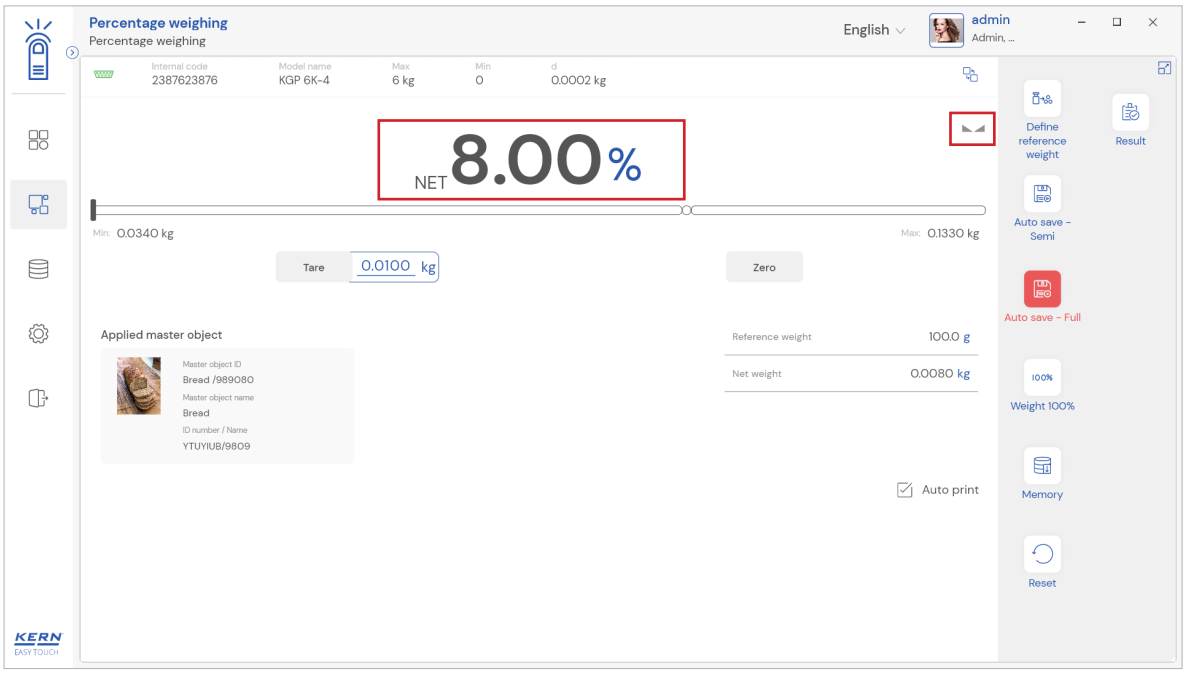
Steps to be followed:

Step 1: Enable auto save full.

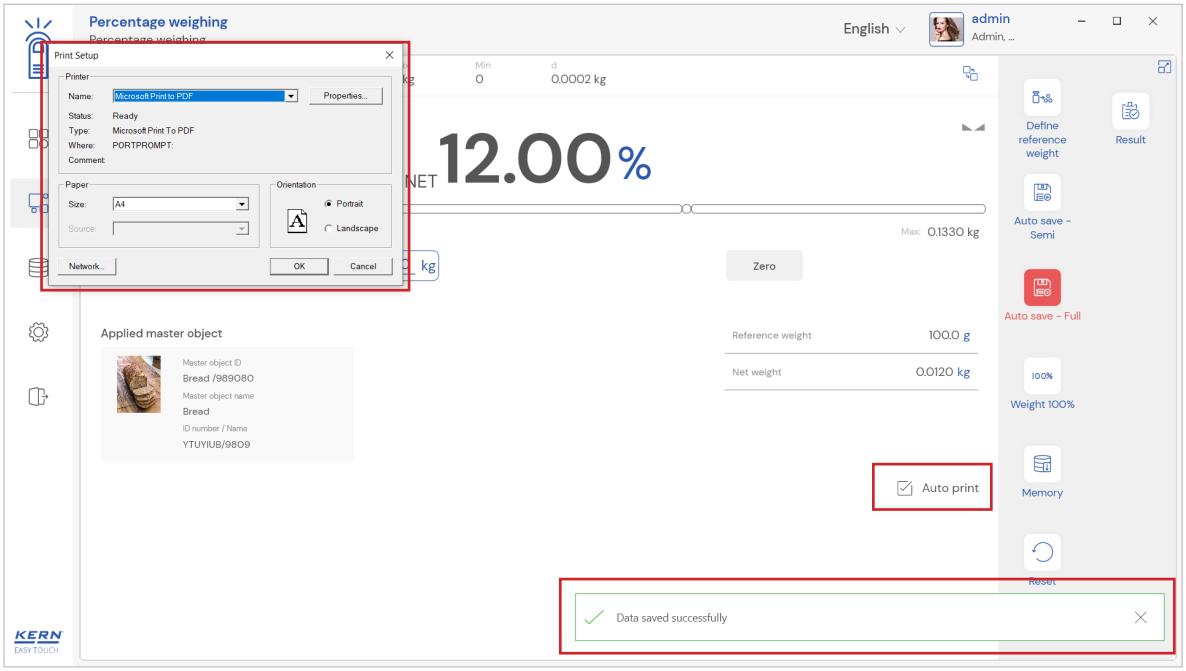


Step 2: Place the object that is required to find the percentage

Step 3: Wait until the weight on the scale is stabilized



Step 4: The system will automatically save the result in dynamic database. The user can enable the auto print in case wanted to print the data automatically upon saving the data in dynamic database.

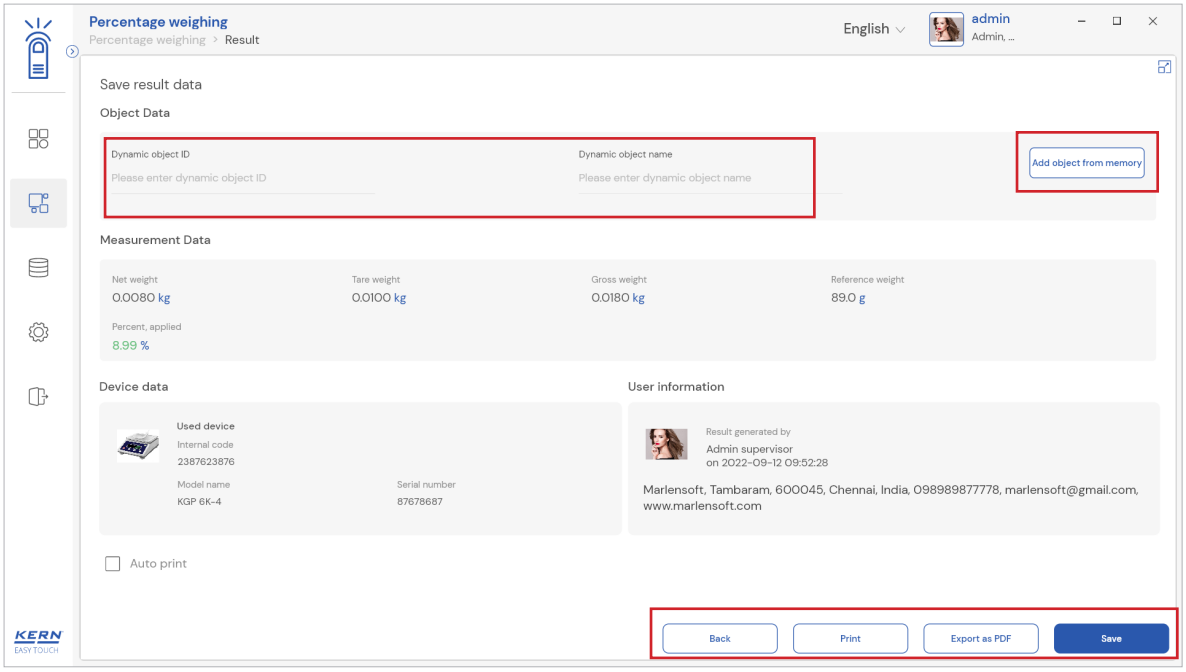


5. Result data

5.1 Measurement data

An overview of the determined data appears upon clicking on the button “result”.
The below screen appears upon clicking the end button. The user might be able to view the complete result data. Here, the user might be able to

English



5.1.1 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 reutilized.

5.1.2 PDF, print and save

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

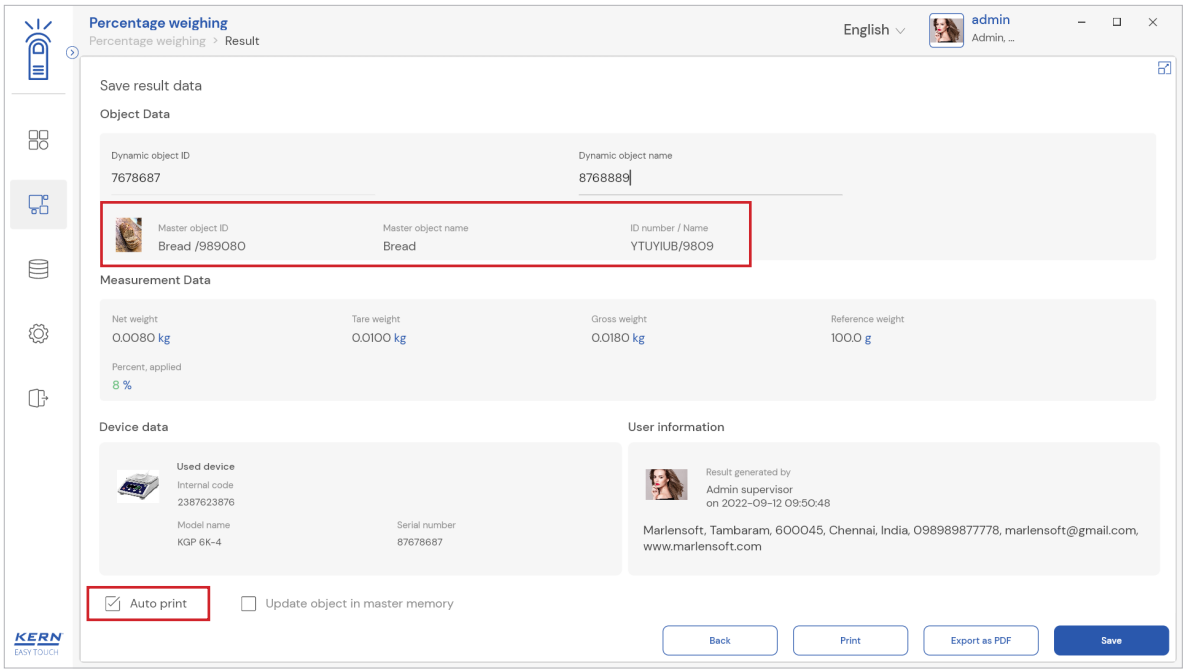
5.1.3 Dynamic object ID and name

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.

5.1.4 Update object in master memory

The user can be able to save the functional properties of the object in the master memory to reutilize the data by clicking on the “Update object in master memory”.

For example, the container weight and the reference weight will be updated in the master memory and can be utilized for future purposes.



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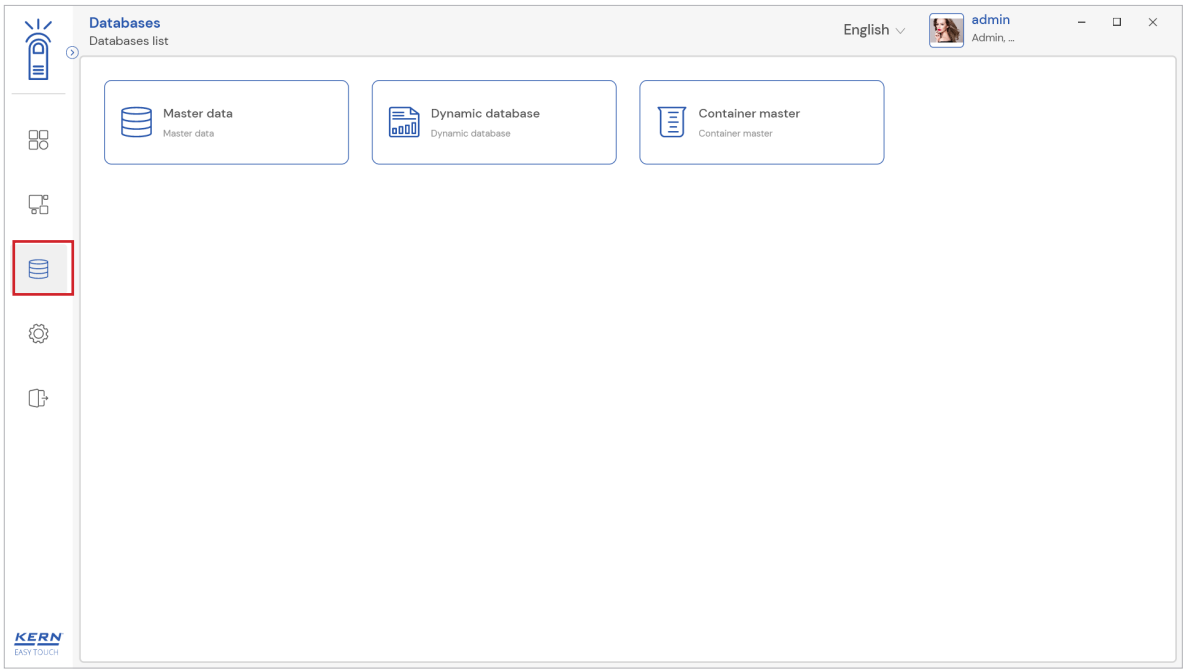
4.1.5 Auto print

The user will have an option to save and print on a single click. This allows the user to print the data with the measurement ID.

Once the save button is clicked, the balance is again on weighing mode.

6. Dynamic data

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



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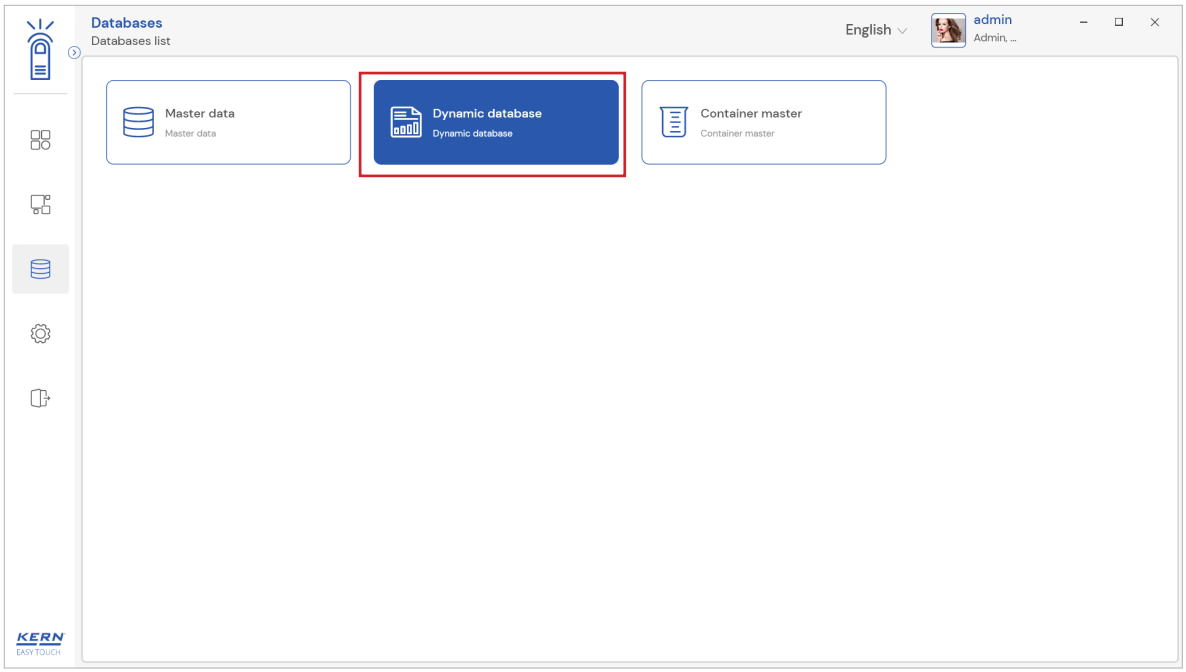
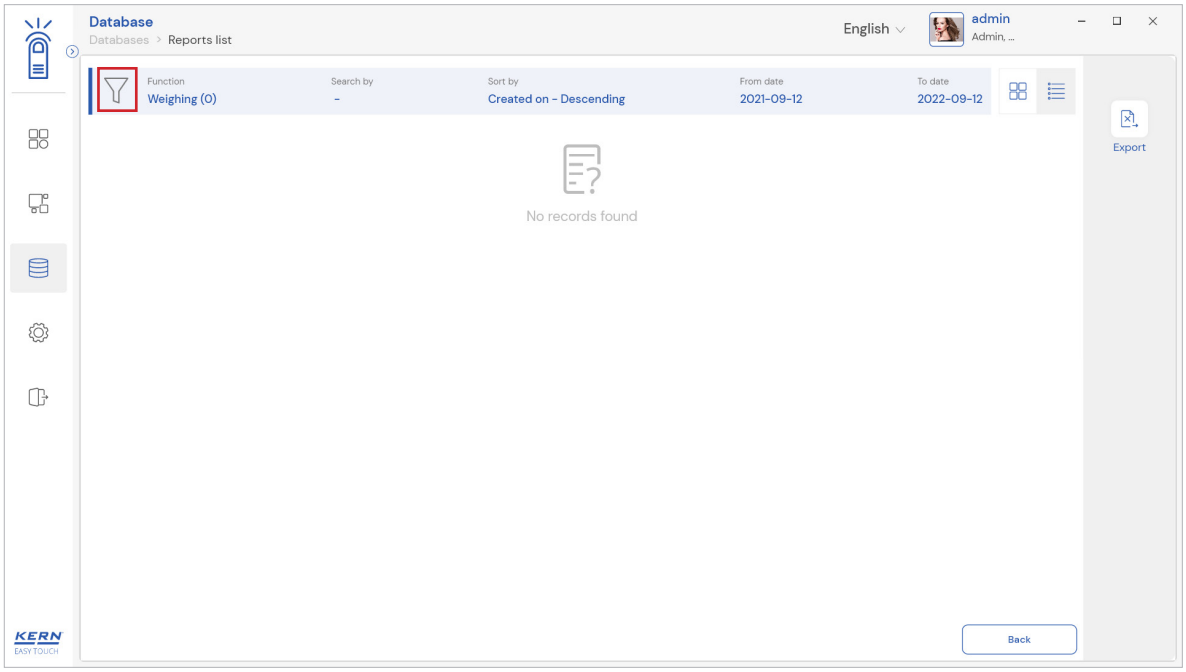
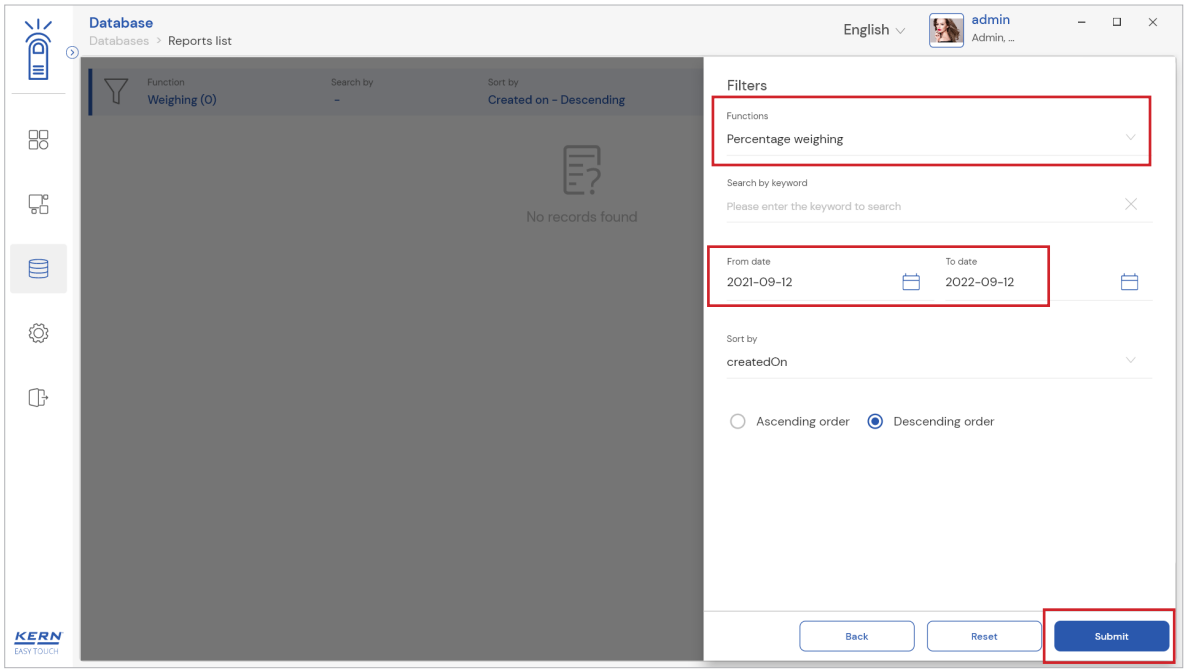
- Click on the filter and the below screen would be displayed. Kindly note, the function weighing would be displayed by default.



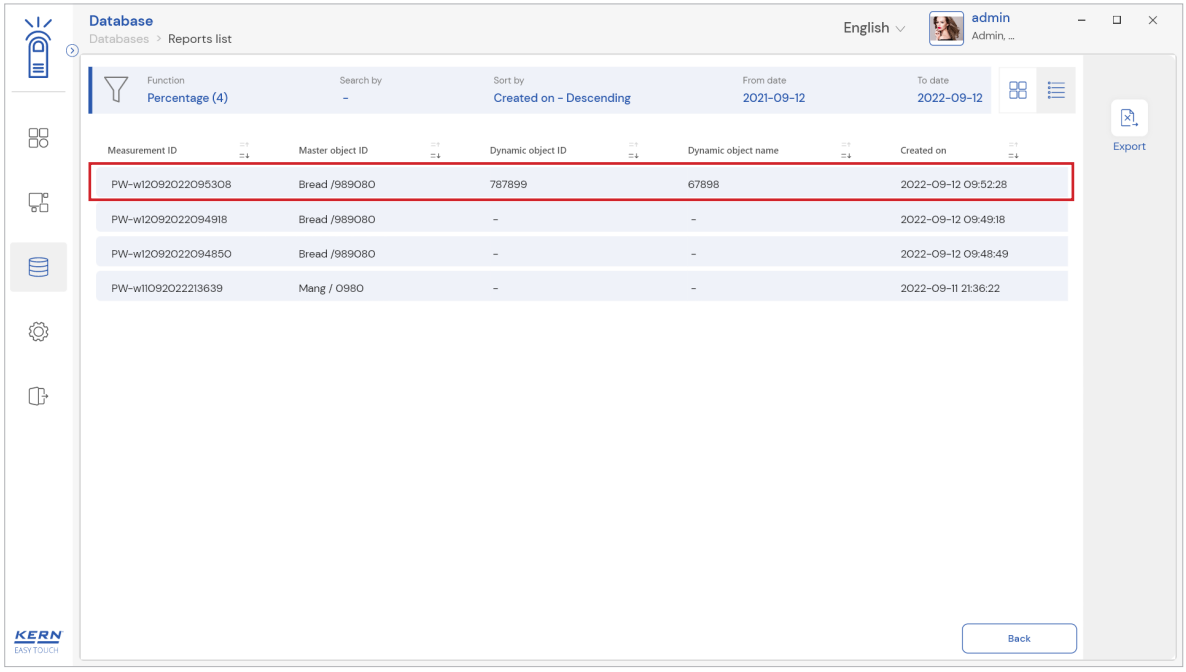
- Choose the function percentage weighing from the functions list and set the other desired filters and the required sort option

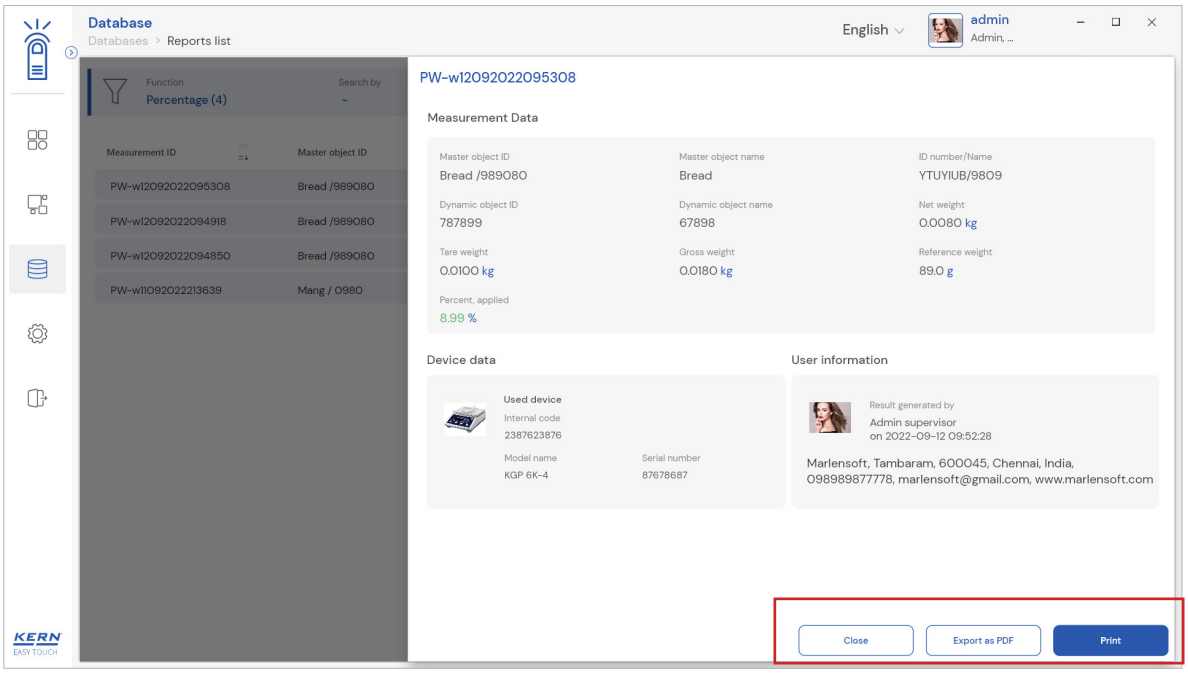


- The list of dynamic data saved against the set filter would be found here



- Click on the required transactional data to see the complete set of details





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

The end