Operating Instructions
KERN EasyTouch

EasyTouch Batch & statistics User manual

Version 1.1
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GB

Contents

English

English

1.0 Introduction to batch & statistics

The batch measuring function is suitable especially for pharmaceutical and similar applications where regular weighing of all elements of a batch take place. The elements are measured and stored under the respective batch.

Moreover, all measured elements can be printed out with their basic statistic code numbers in a common print report.

- Click on the function menu from the main menu.
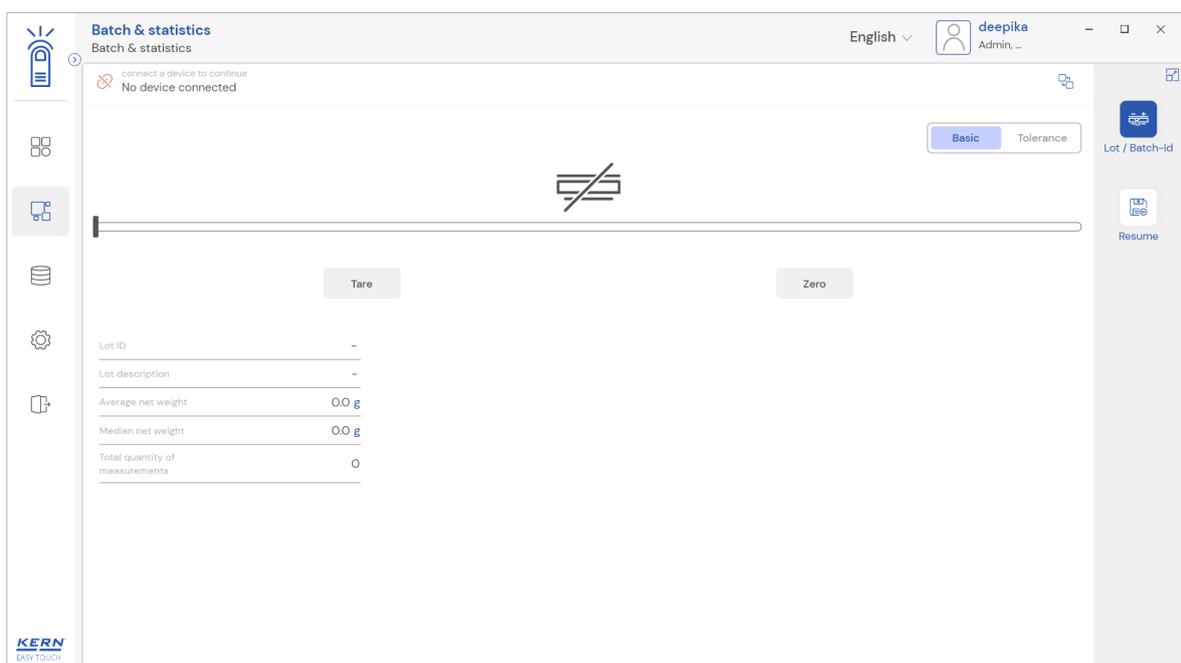- The function list screen will appear. From the list of functions, click on the "Batch and statistic" function.
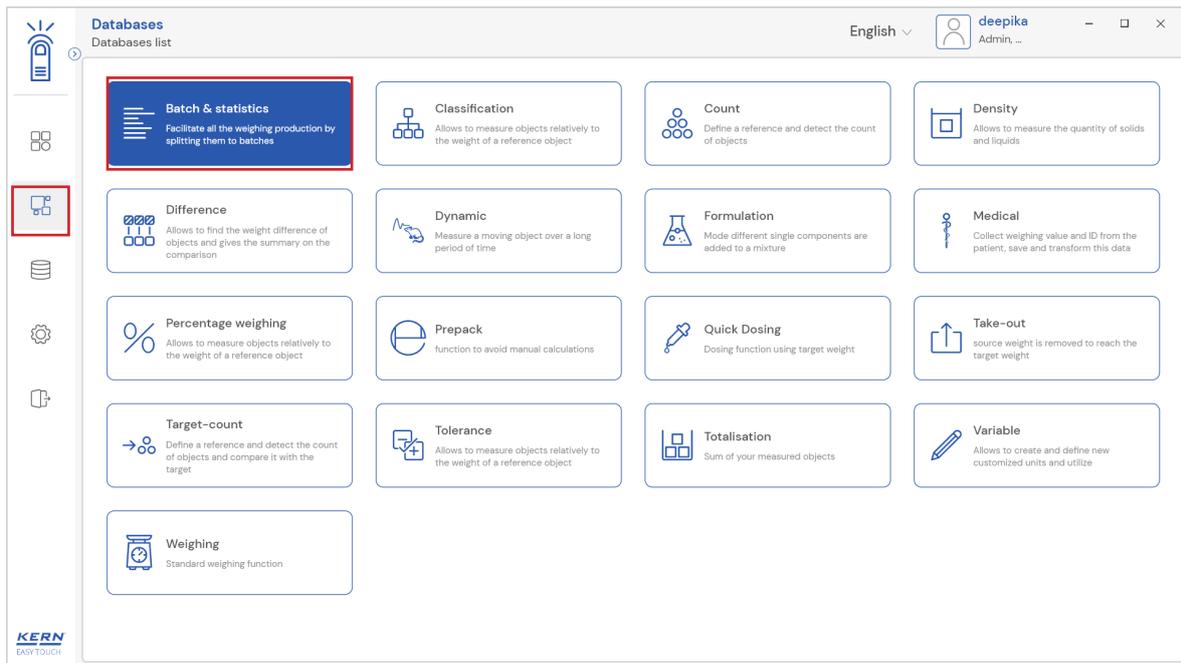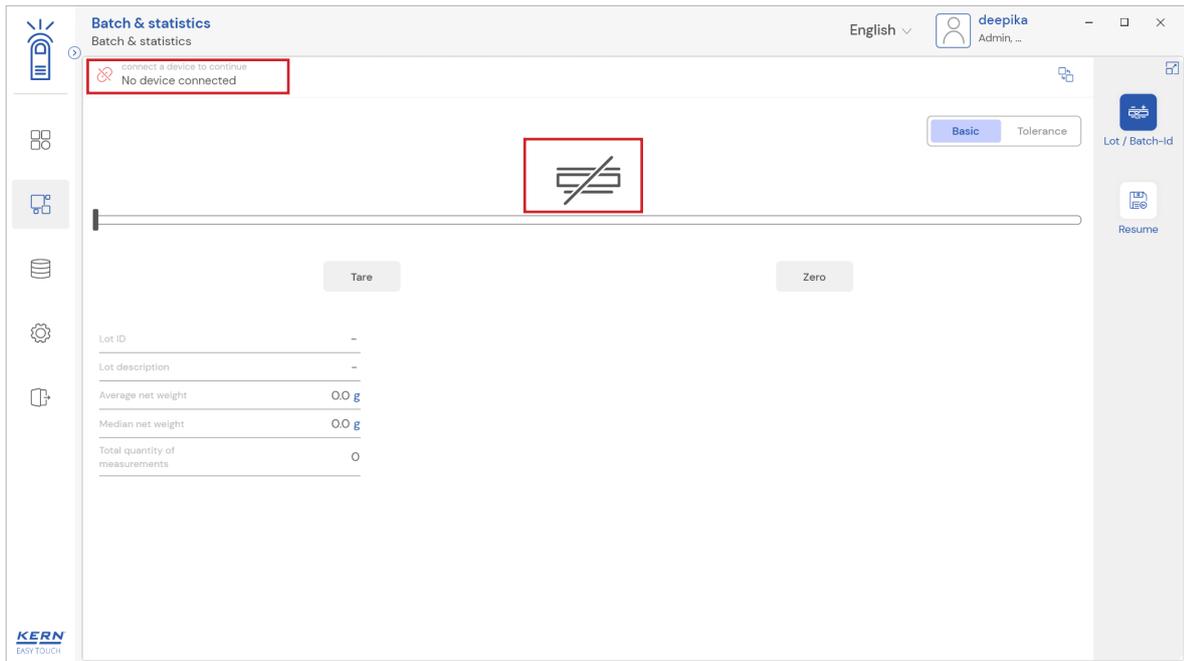

- The start screen for batch and statistics screen appears. By default, the user is redi-rected to the basic weighing screen. Now the user can click on "Lot ID /Batch" to create a new batch and weigh the item after connecting the weighing scale to the system.

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 the screen looks as per the below.
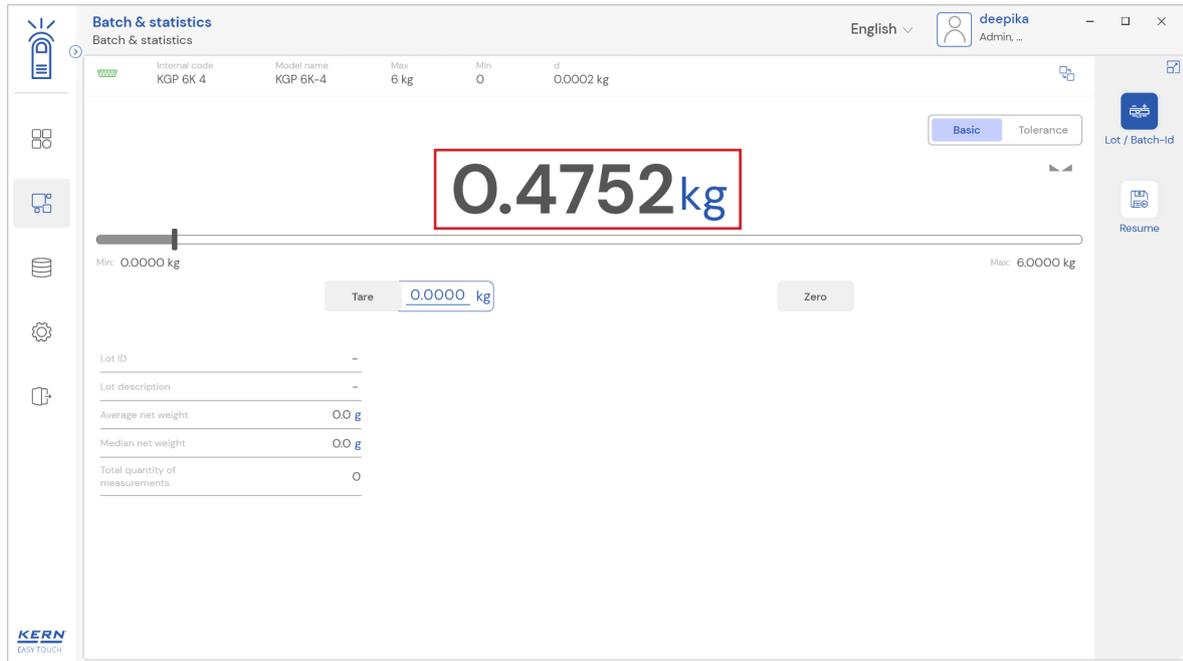
2.1 Device details

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.
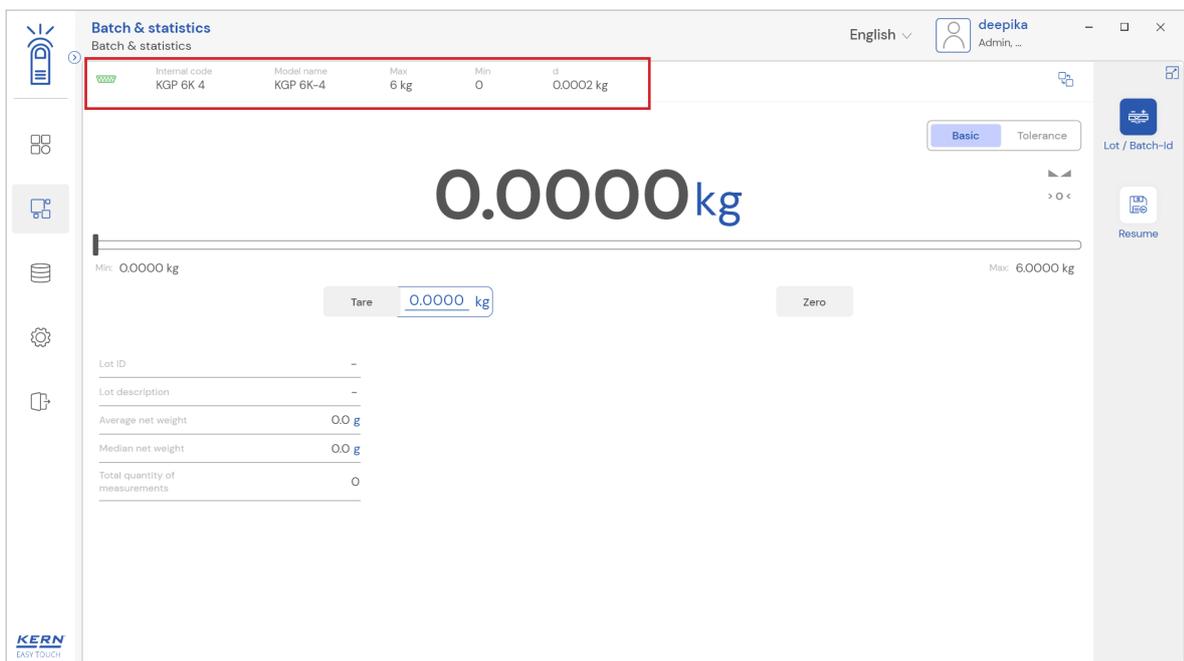
2.2 Net value

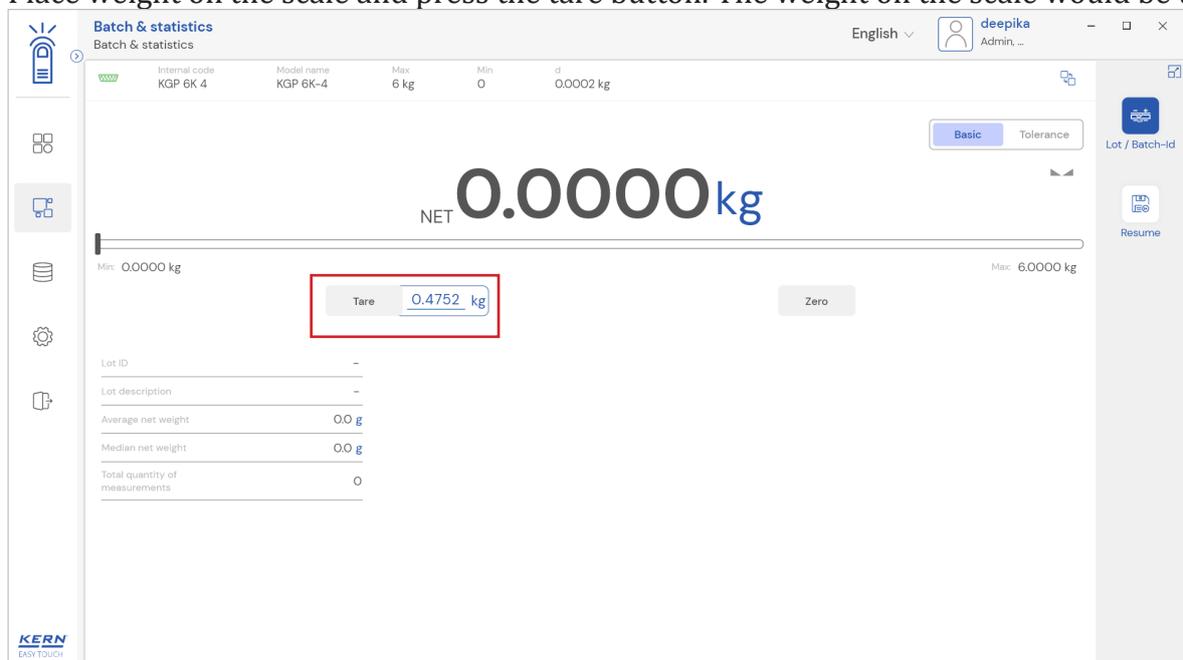The weight on the scale would be displayed with the default unit in gram.

2.3 Tare

User can utilize the tare in two ways
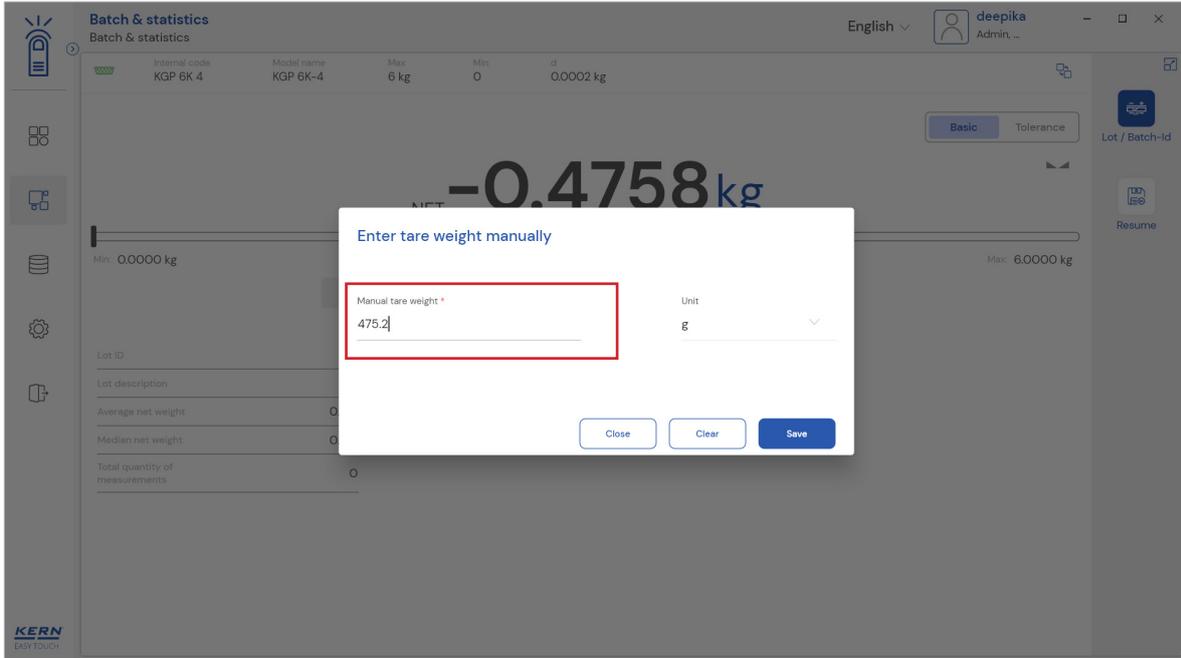
2.3.1 Auto tare

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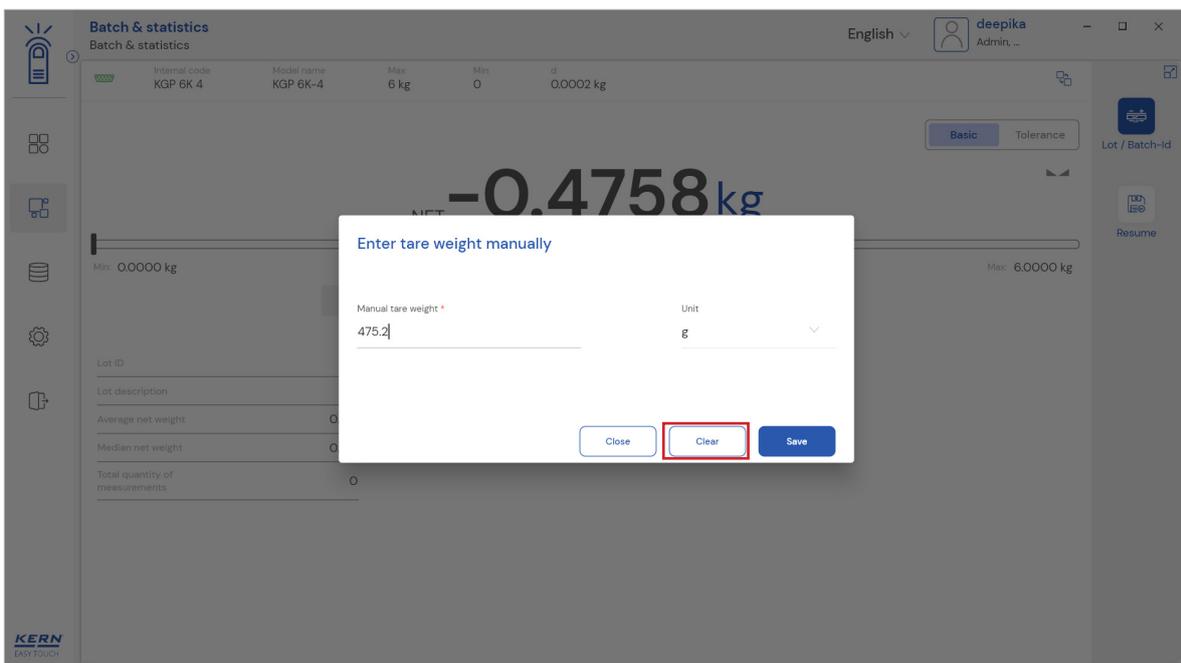

2.3.2 Manual tare

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.


2.4 Zero

- The zero is used to 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.
- Kindly note, the zero button functionality works only when the weight on the scale is less than 2.5 % of the max value of the device.
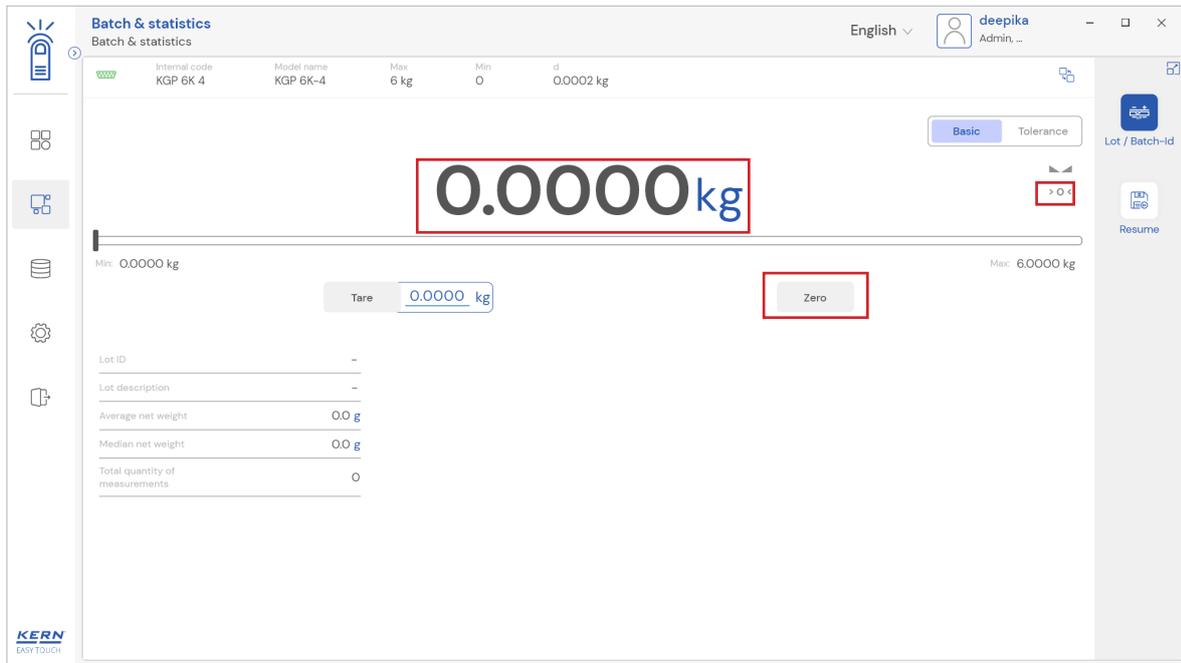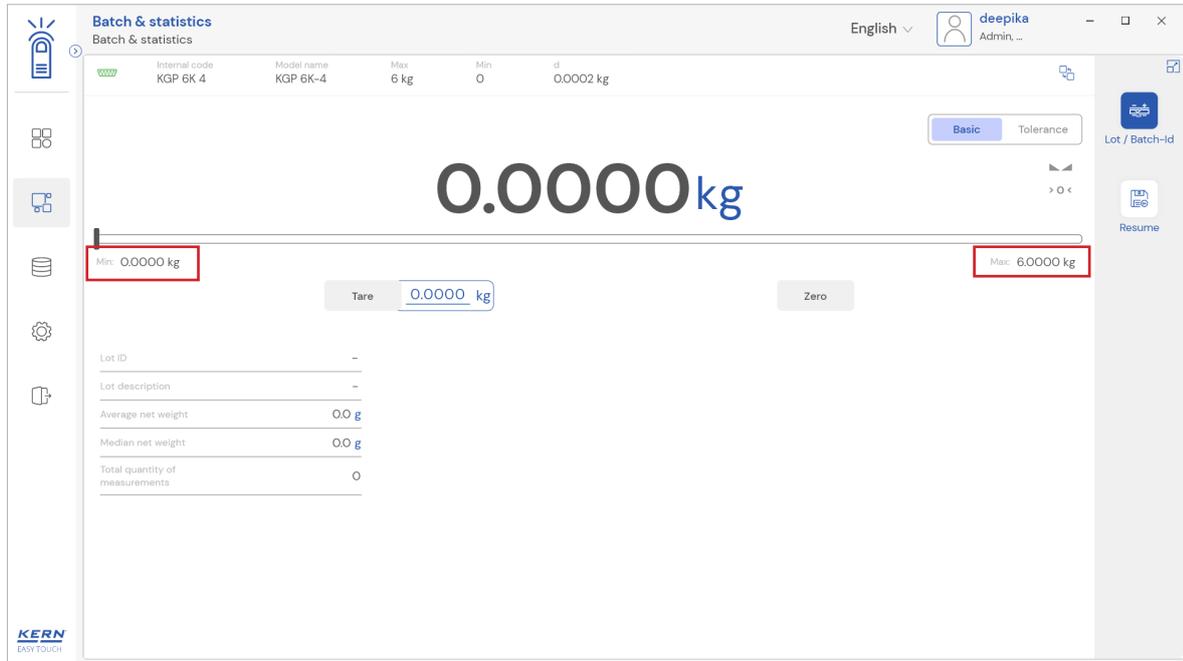
2.5 Stability

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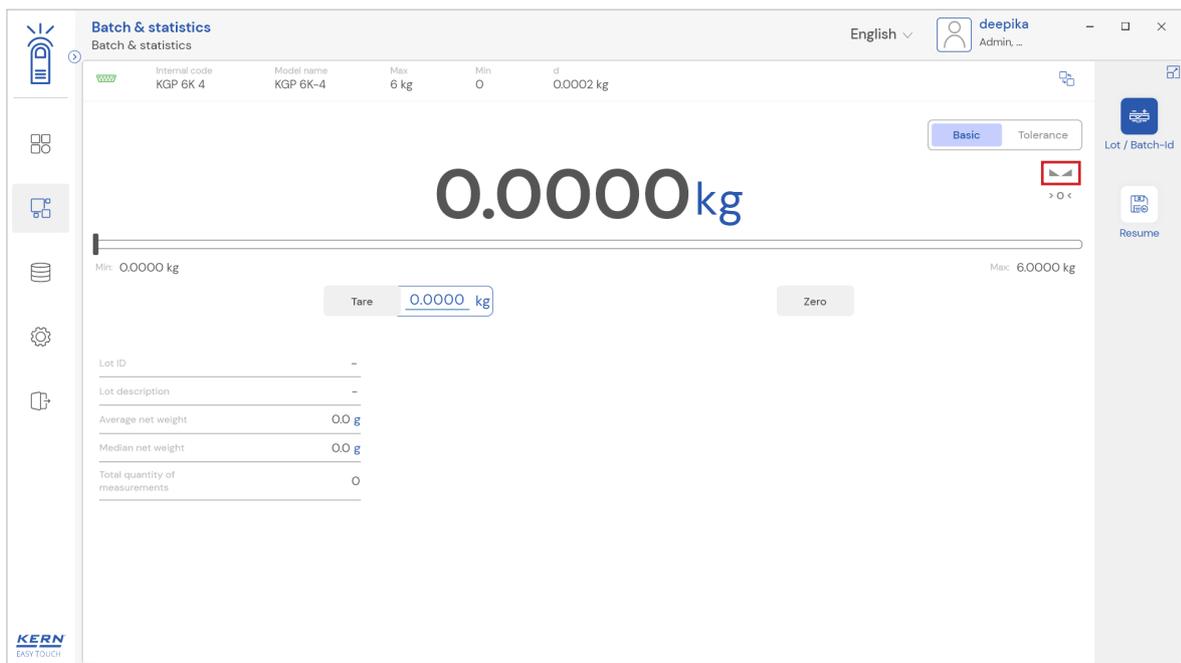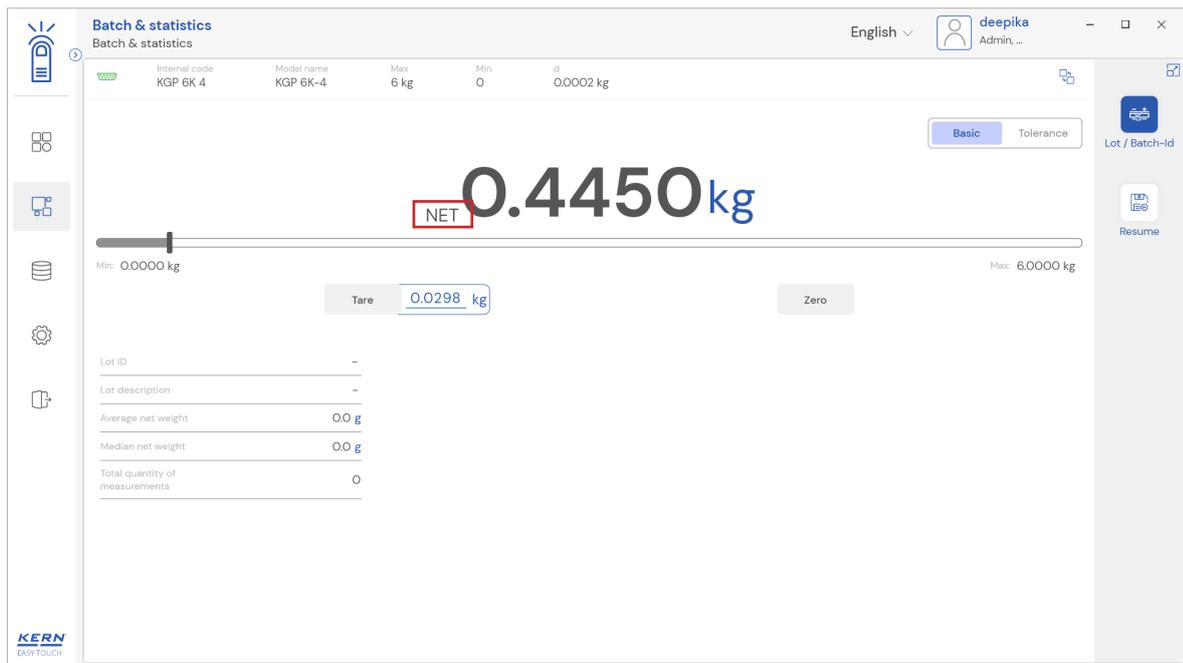

2.6 Min and max

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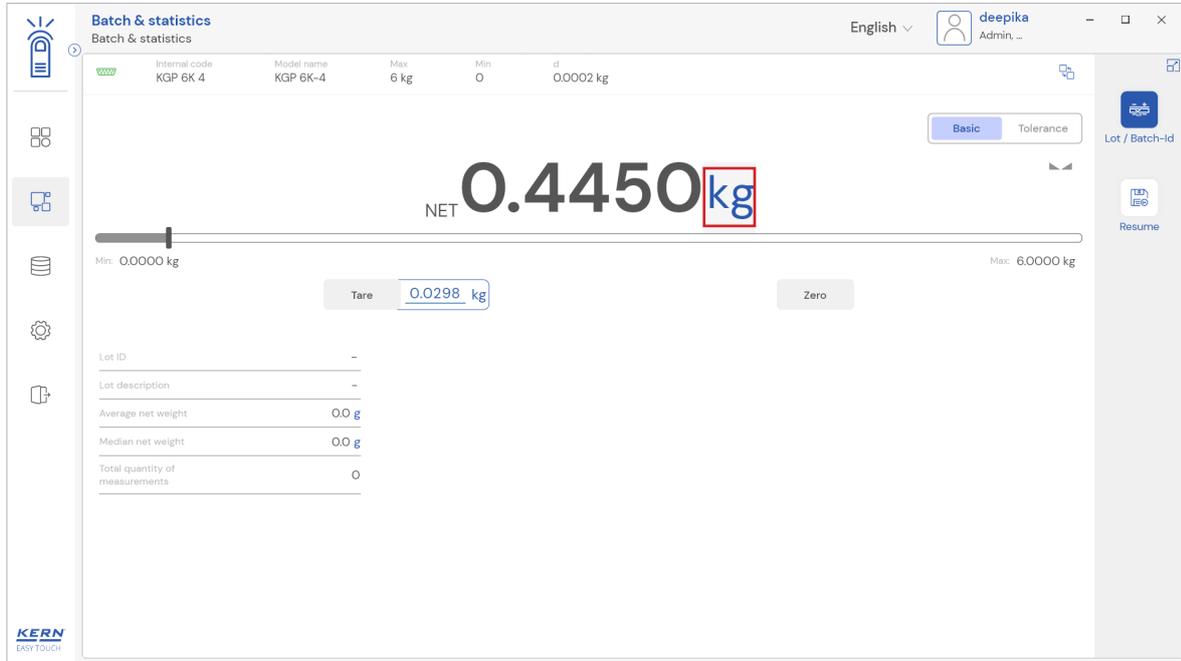
2.7 Net indicator

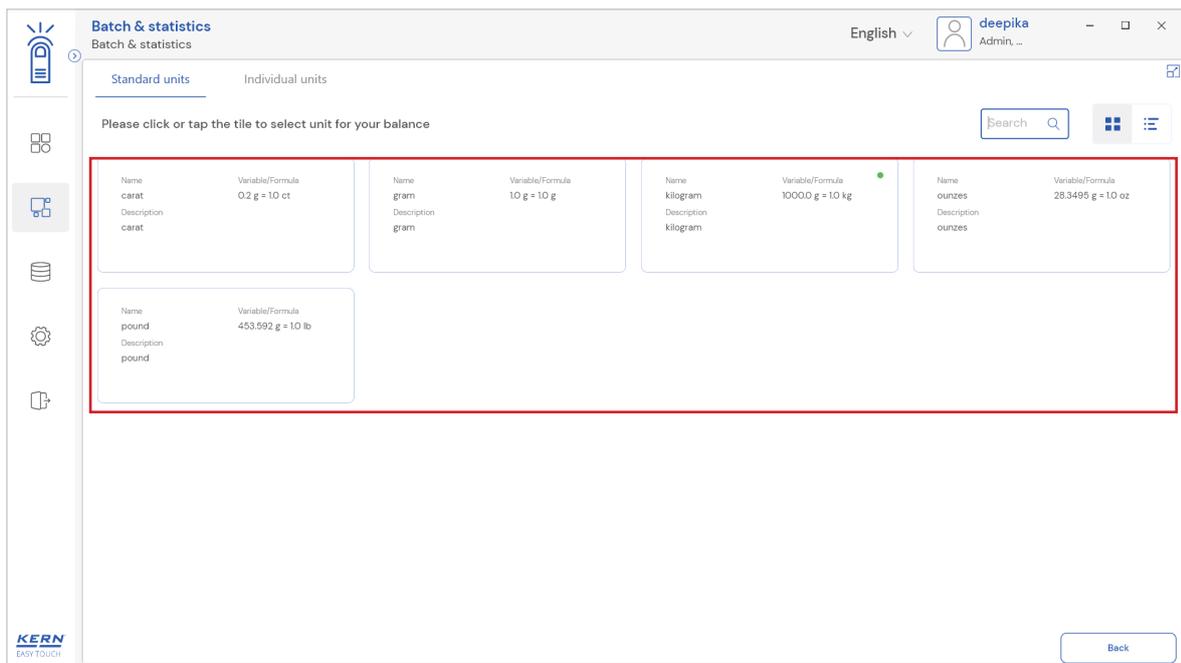The net indicator would be displayed in case of tare is being set.

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.
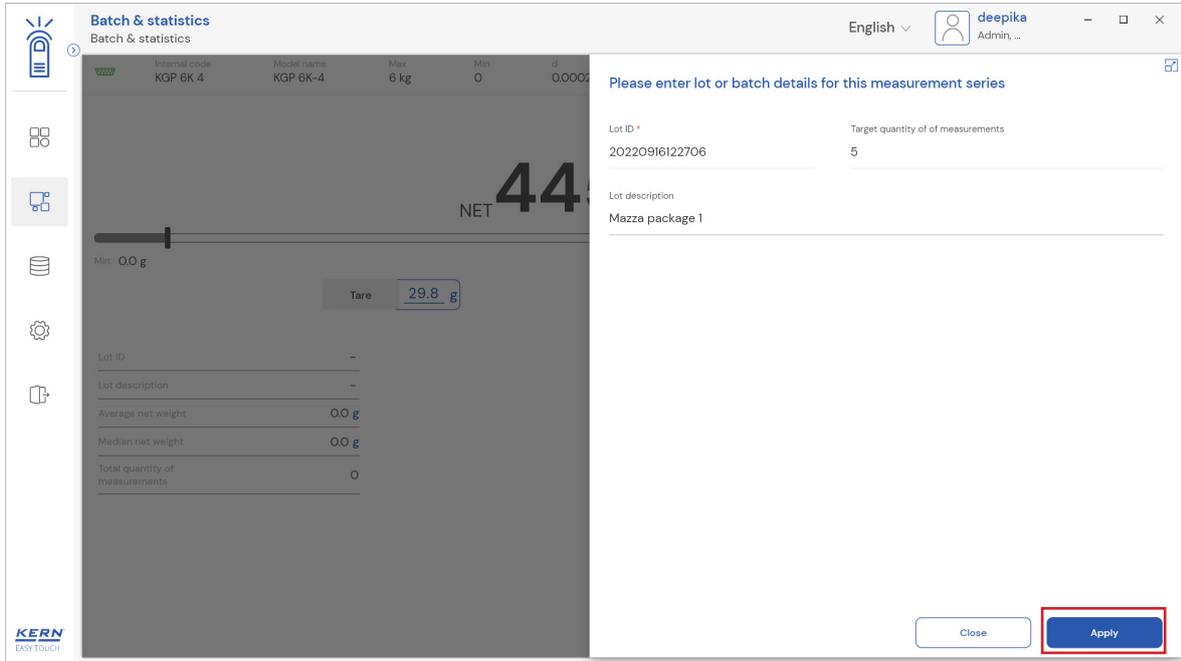

3.0 Functional features

3.1 Batch and statistics - weighing mode

Upon clicking on "Batch and statistics" the below screen appears where by default weighing is selected and the user has to provide the LOT details to proceed further.

3.1.1 Lot / Batch ID

The screen for creating a new master data object for a batch in weighing mode is displayed, with the ID lot already filled with the current date and time, and the user can edit it and enter the description for the batch if desired
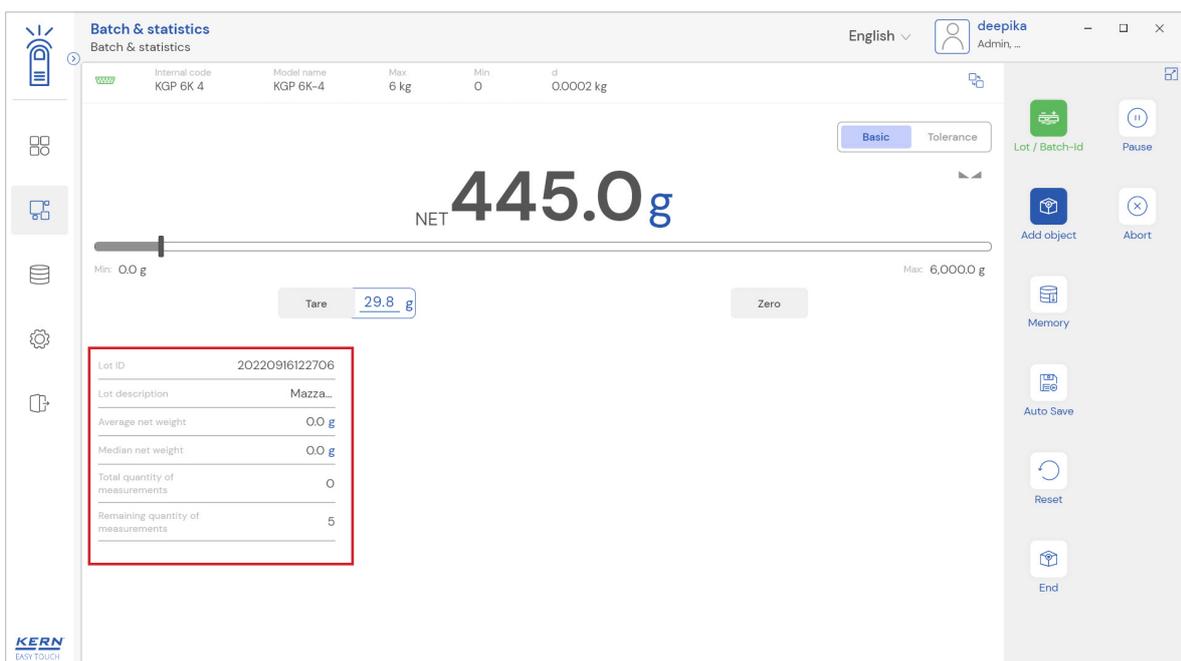
Lot ID: The lot ID is already filled with the current date and time, and you can edit it or enter the new lot ID for the batch if desired. This LOT ID must stay unique and can be searched in the dynamic database.

Lot description: Here you can provide the description for the batch if desired.
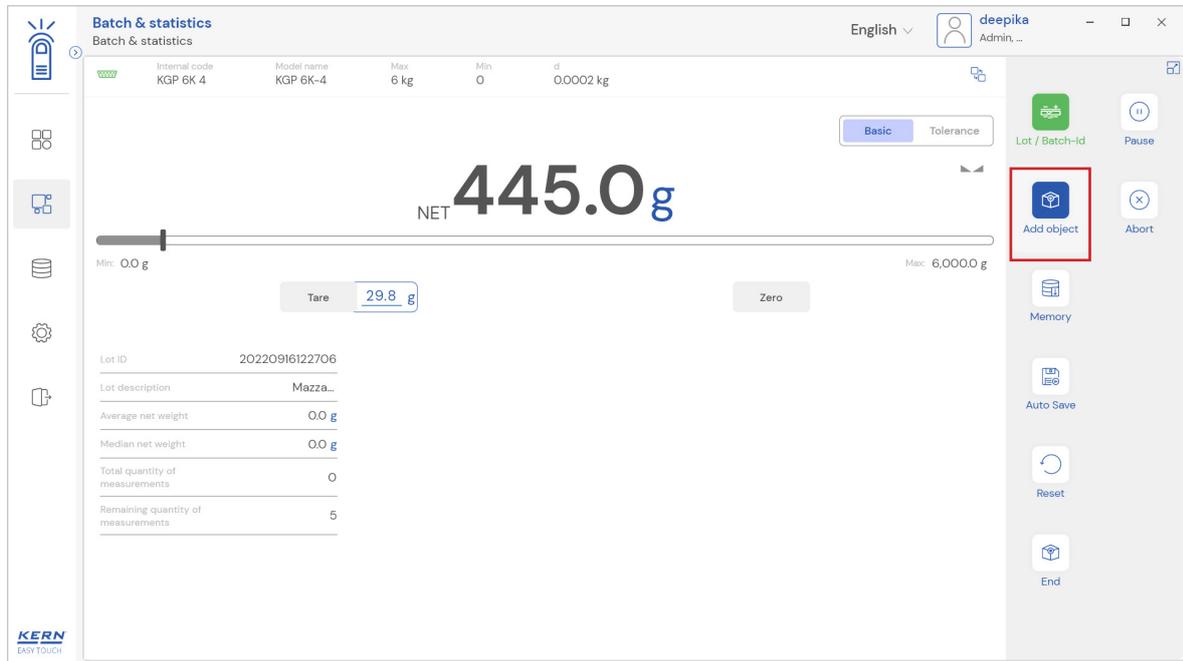
Target quantity of measurement: The user has the option to enter the target quantity of the measurement, where the user can enter the number of target measurements and is alerted with a warning message if the number of transactions exceeds the target quantity of the measurement.

Apply: Clicking on apply will update the provided details for the current batch in progress and will be displayed in the dosing screen.
Additionally in the menu this "Lot / Batch ID" is displayed green.
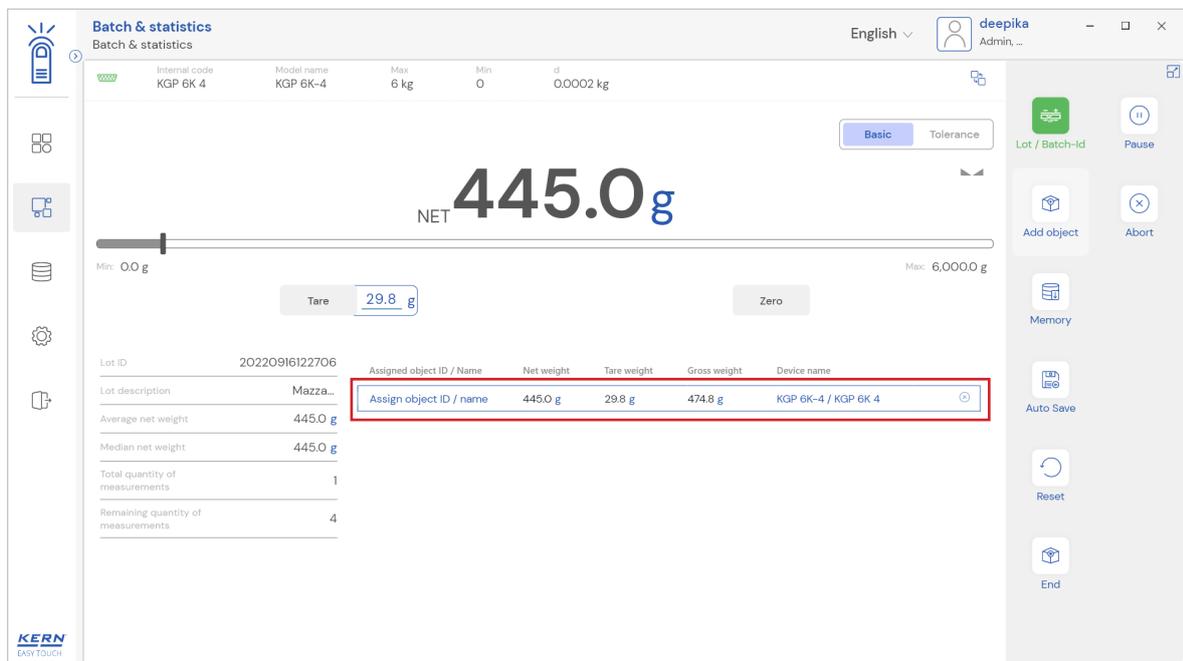
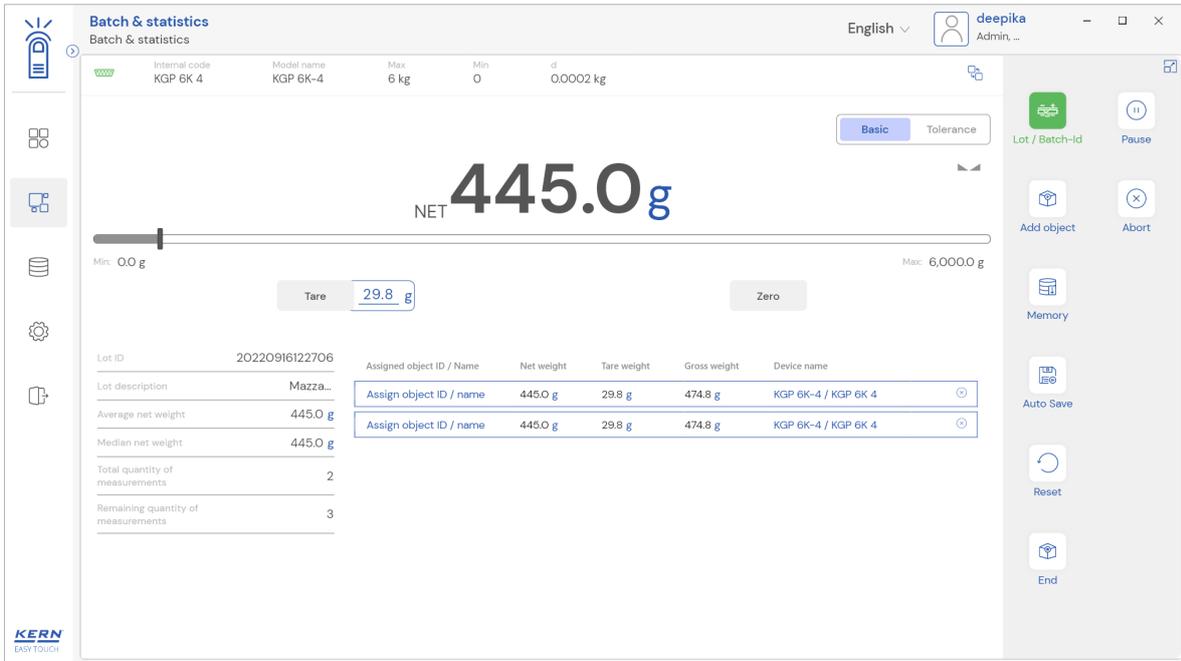English

3.1.2 Add object

- When using the tare, place the respective object to tare and click on the tare button or enter the tare weight manually.
- The net weight is displayed with the indicator "NET"
- The tare weight gets displayed

- Place the first object what you are required to weigh on the weighing plate, wait for the stability indicator and click the button "add object" in the menu bar.

- The user can notice that the first object is being added.
- The average net weight, the medium net weight and below the quantity of measurements are displayed, they are updated every time they are stored.
- User can also view the remaining quantity of measurements compared with the target quantity of measurement which is mentioned.

- Remove the first object from the weighing plate and place the second object on the weighing plate, wait for the stability display and then press again the "add object" button.
- Please follow the same procedure to add the objects.
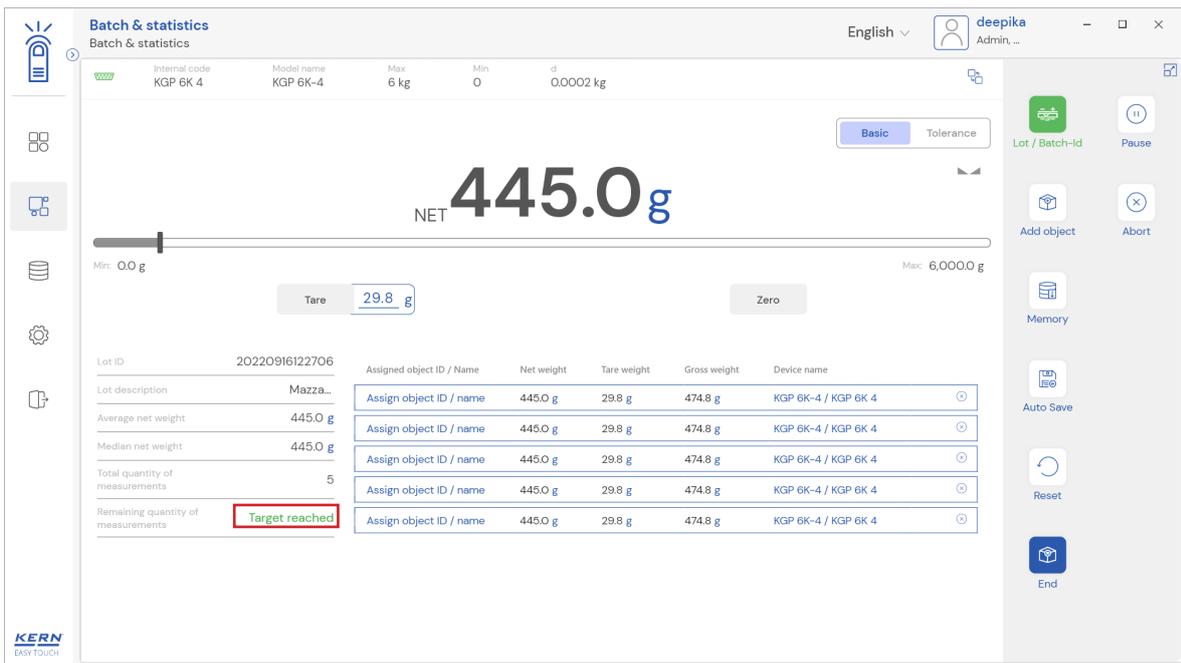
- The net weight of the second component has been determined the average net weight, the medium net weight will be calculated accordingly and displayed in the screen.
- User is also alerted with the indication "target reached" if the number of measurements reaches the target
- User is also alerted with the indication "target exceeded" if the number of measurements reaches above the target
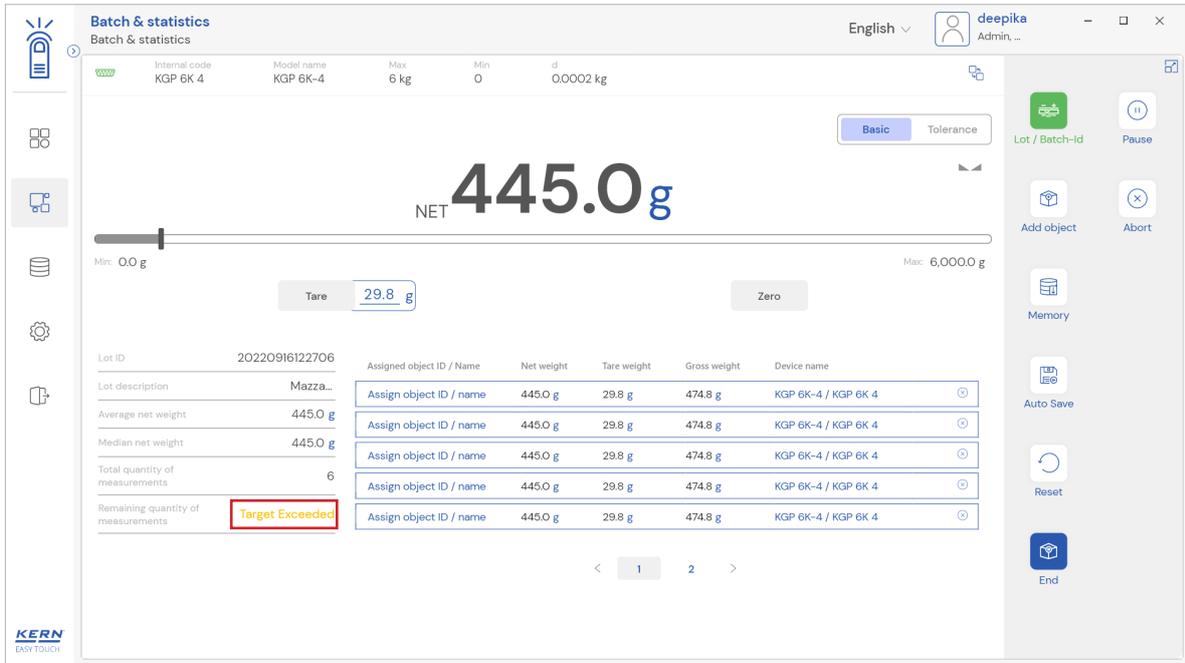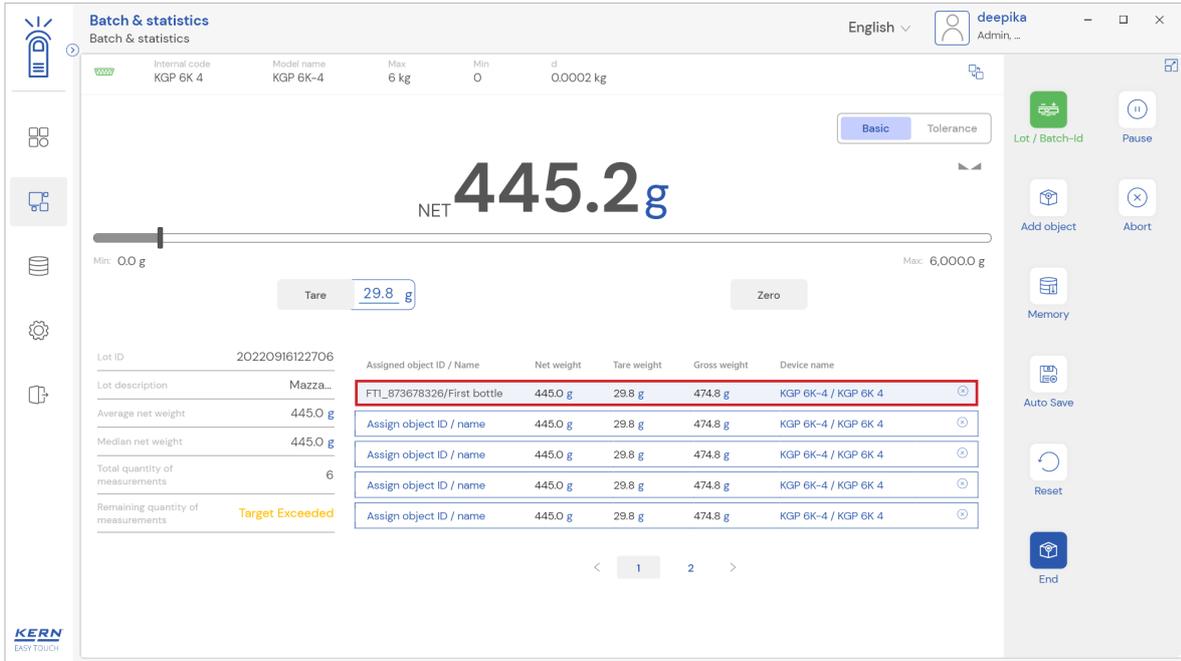
- The user can be able to give an object id and name for the reference to the objects measured to the list of objects measured by clicking on the hyperlink "assign object ID / name".
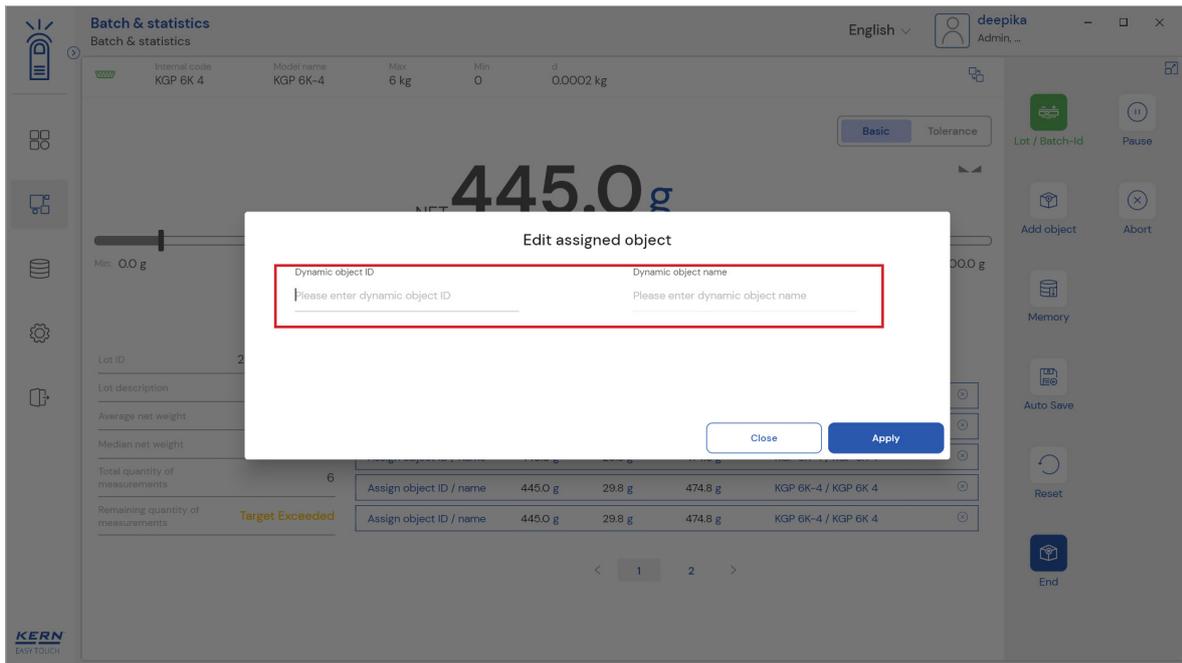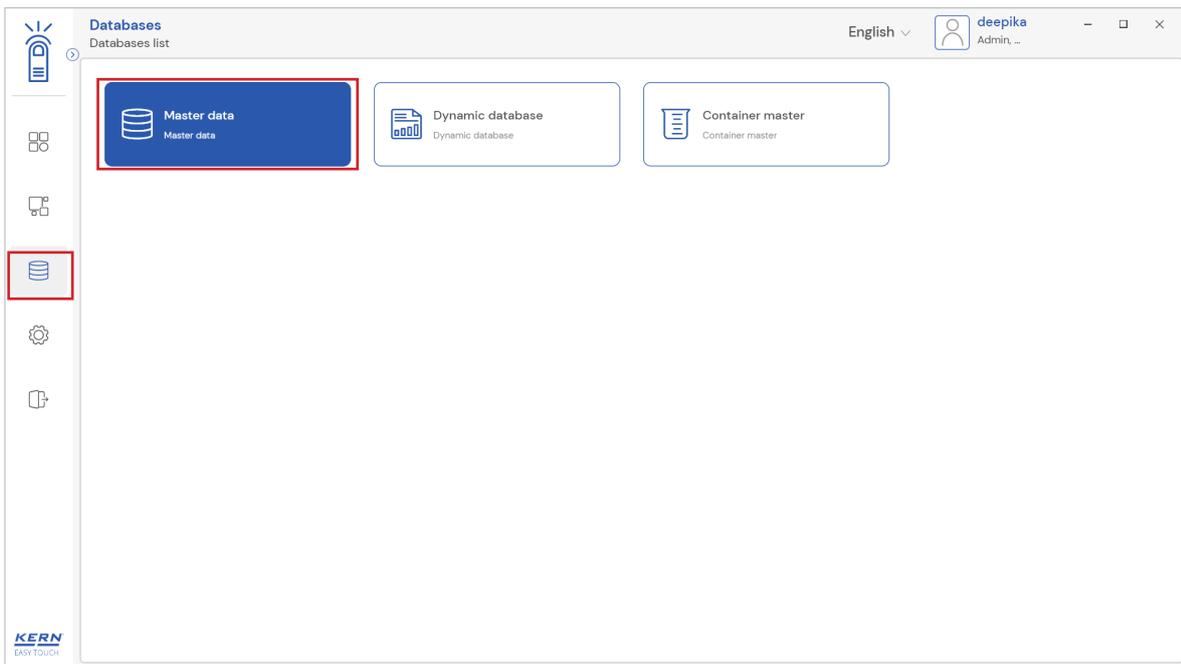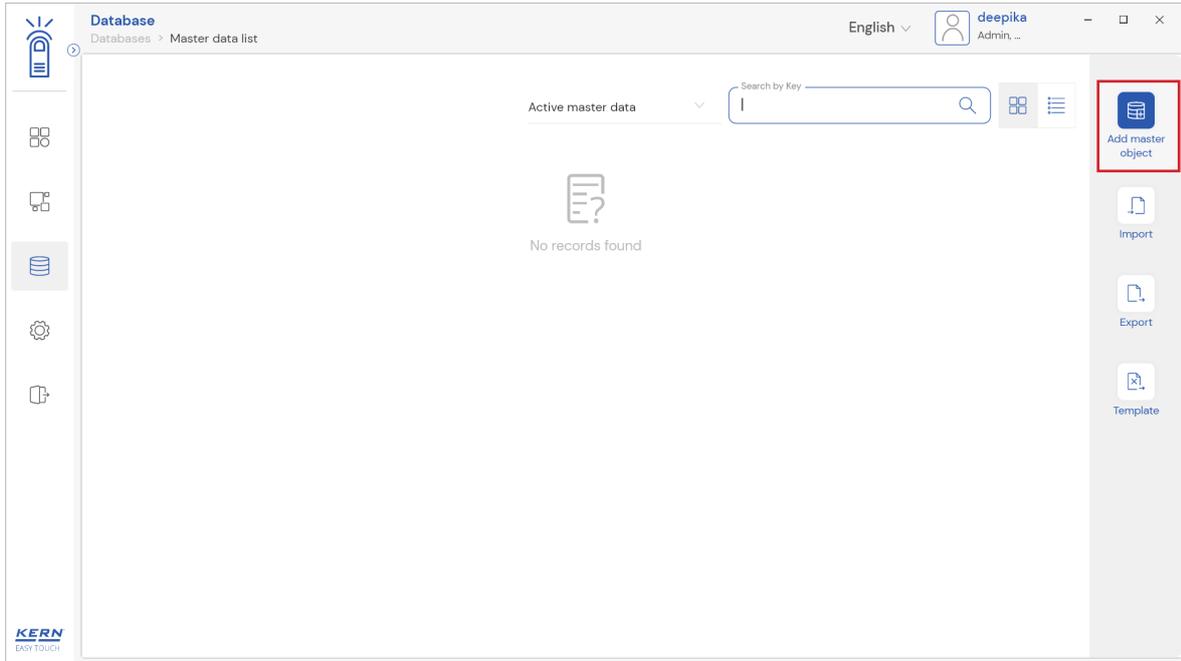
3.1.3 Memory
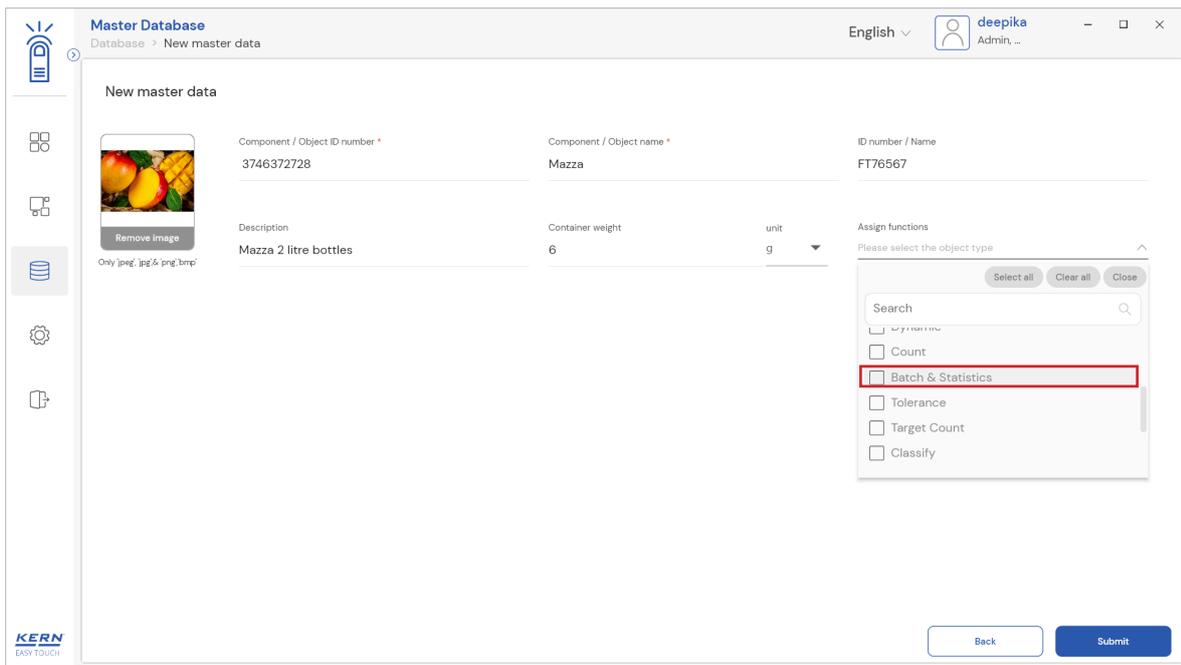Create a master object with batch and statistics properties
- Click the database icon from the main menu
- The database list will be displayed and click on the "master database" from the list.

- 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 batch and statistics properties and reuse it later in function if needed.

- The user must enter the unique master object ID and name in the mandatory field. To assign properties, the user can choose the Batch and statistics in the assign function.

- When "batch and statistics" is selected from the drop down, the user can now choose between weighing and tolerance mode

- By default weighing will be selected. You can enter the container weight if the weight of the container is already known and apply it in other functions
- Once the properties are assigned user can click on submit and save the newly created master objects along with properties of function and reuse it.
- Once the master object is saved you can view the master object in the master object list and on clicking on a data field you reach to the overview of this data record


Applying the master object

- 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.
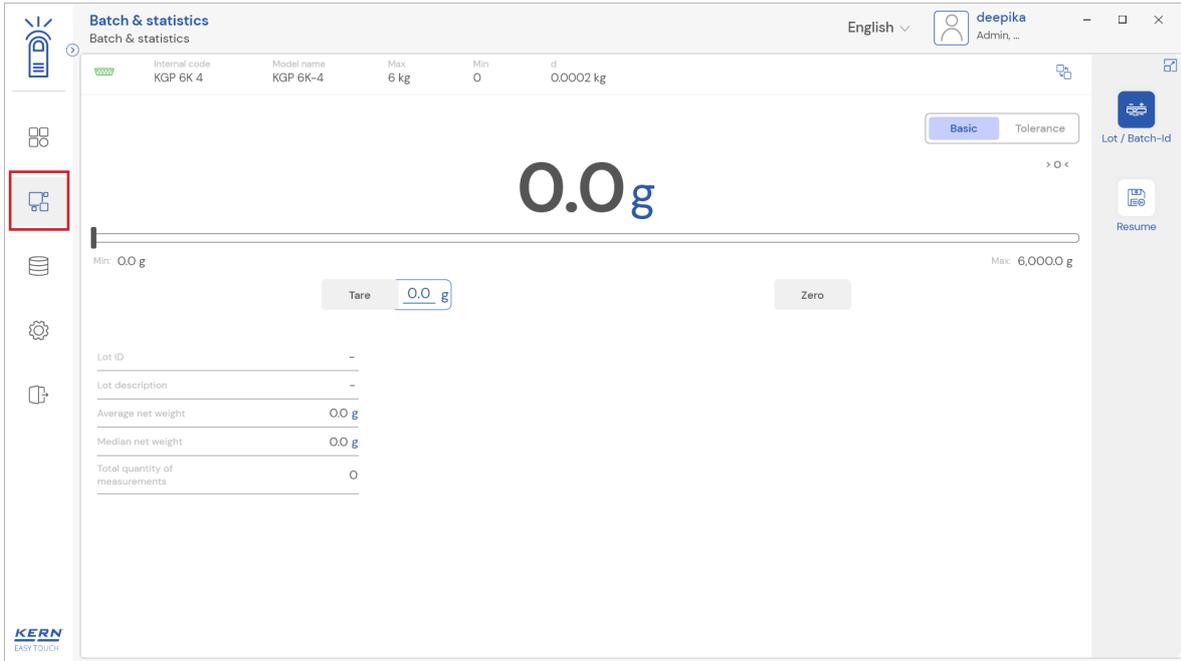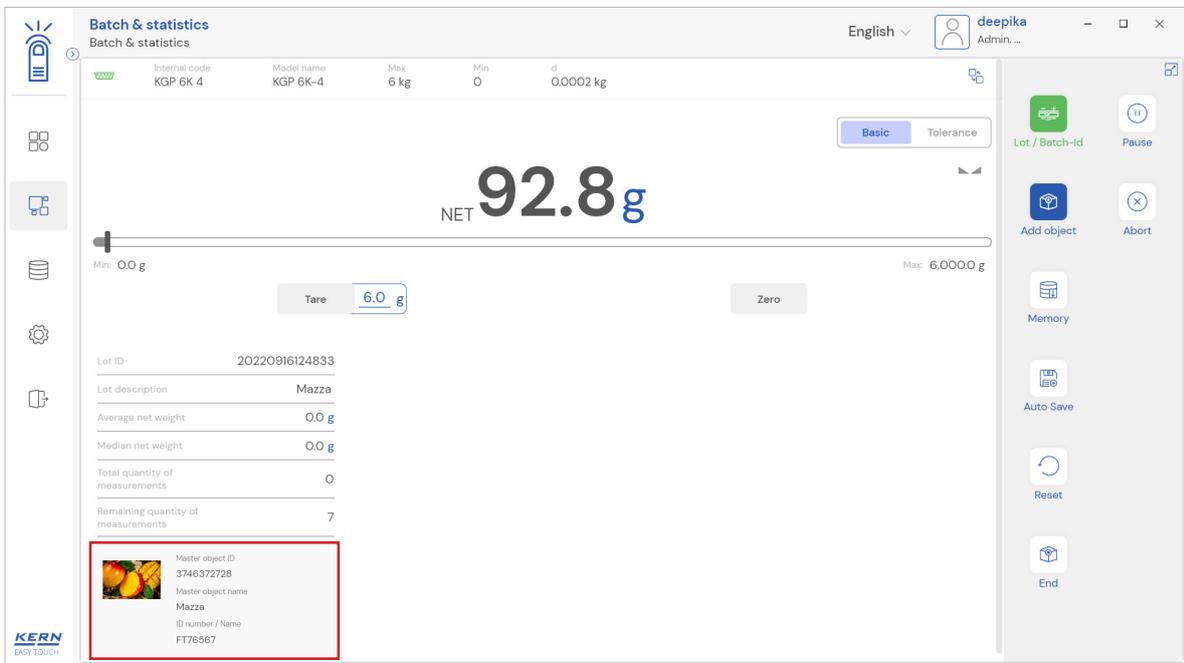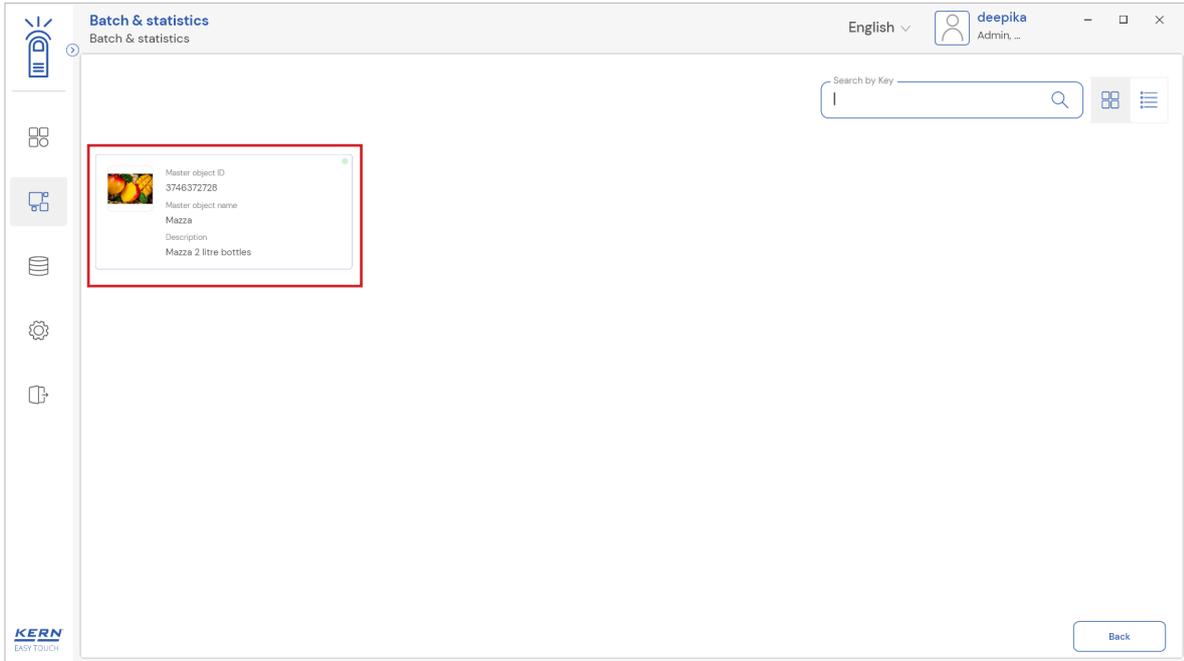
- Click on the memory after defining the lot details and the user will be taken to the master memory to pick from the list of objects predefined. User can click on the required object to be weighed.
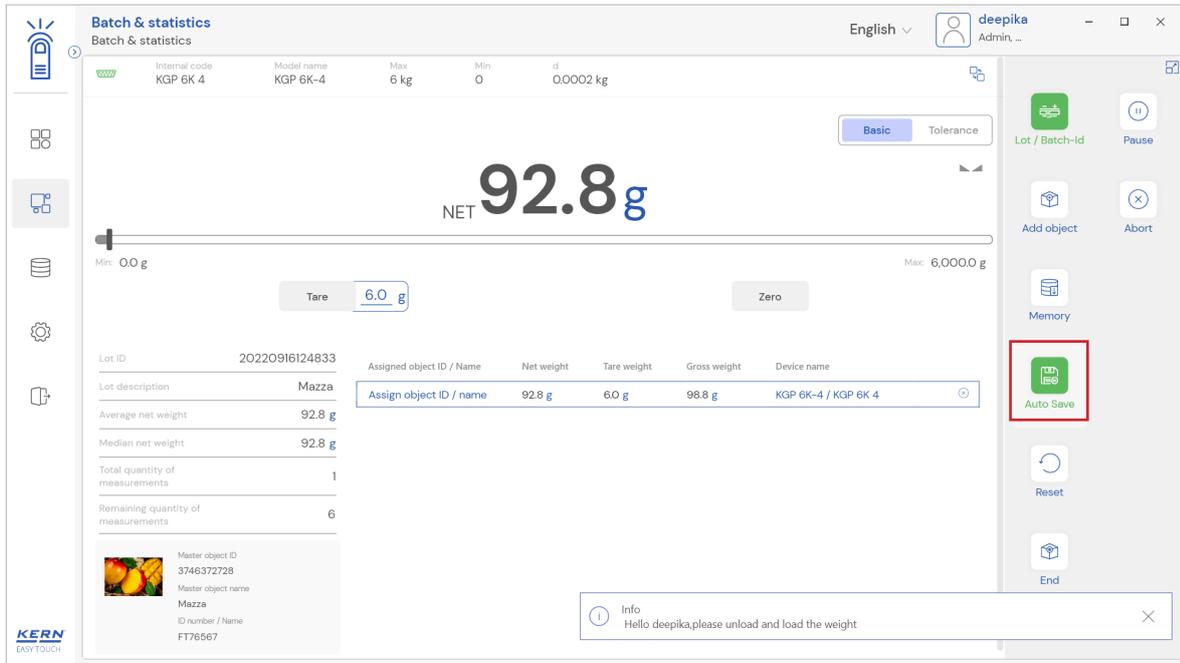- User will be provided with the search option to search the required weighing object.
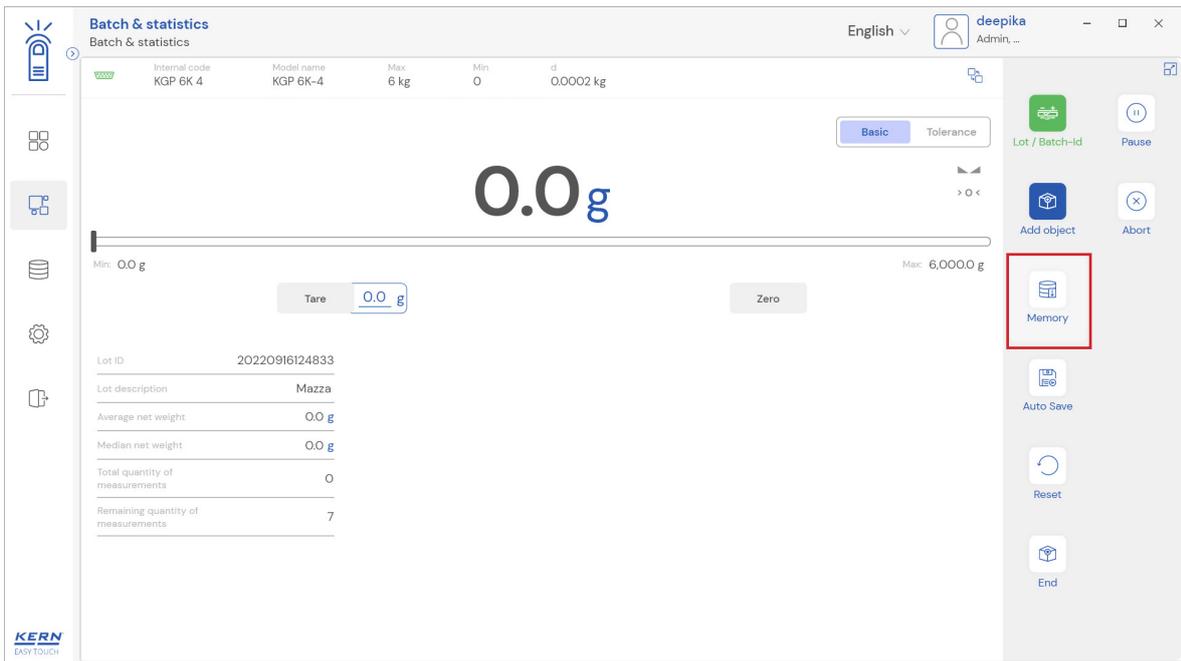
- User will be redirected to the weighing screen upon clicking the required object.

3.1.4 Auto save

- If the "auto save" option is selected user can add the object without pressing the add object button every time.

- The user has to unload and load the weight in the weighing scale for every unload and loading event the data will be saved automatically.
- Remove the first object from the weighing plate and wait till the scale reding comes to zero now again place the second object on the weighing plate, wait for the stability display.
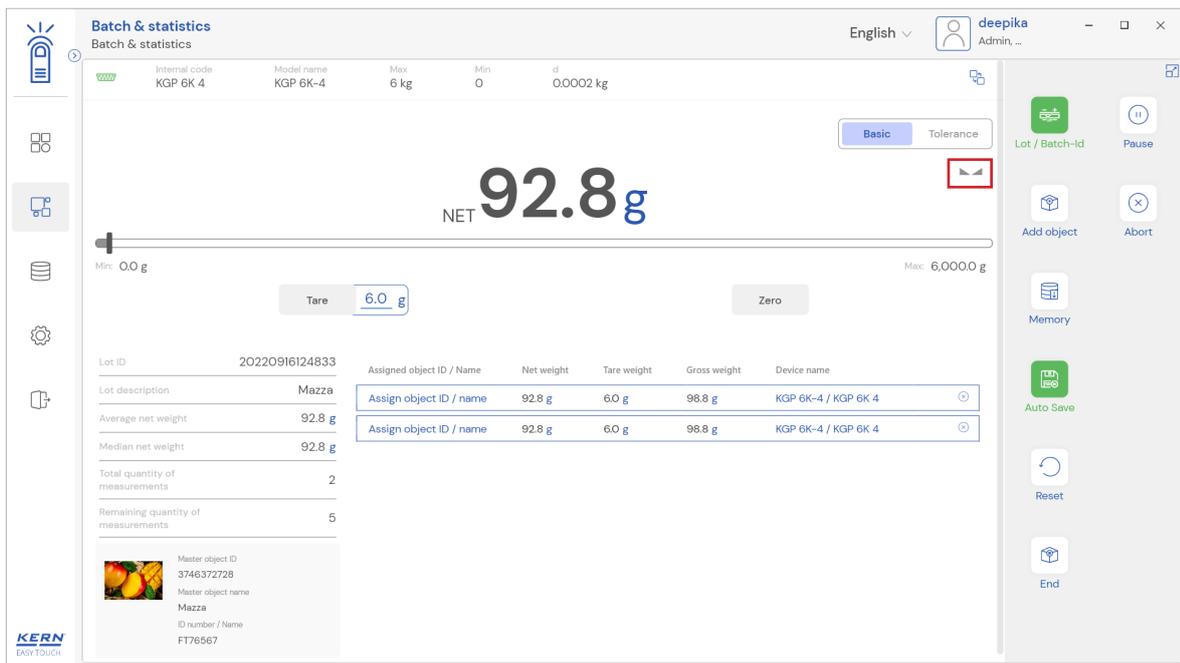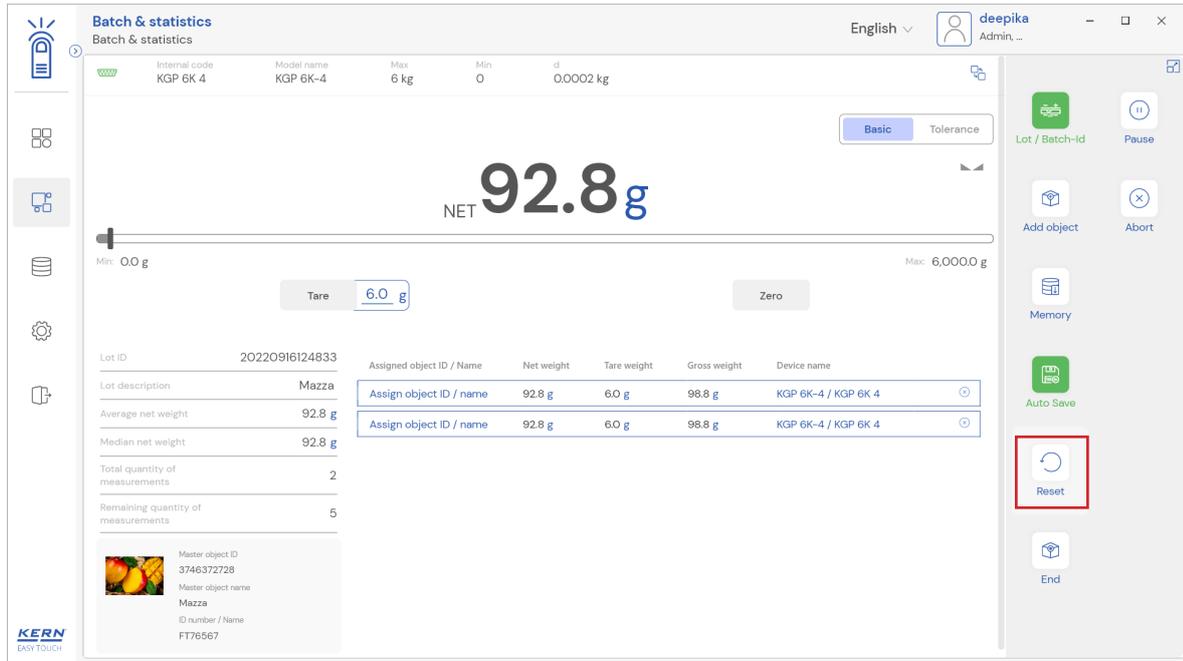

- Once stability icon is displayed then the object will be added automatically and will be displayed.
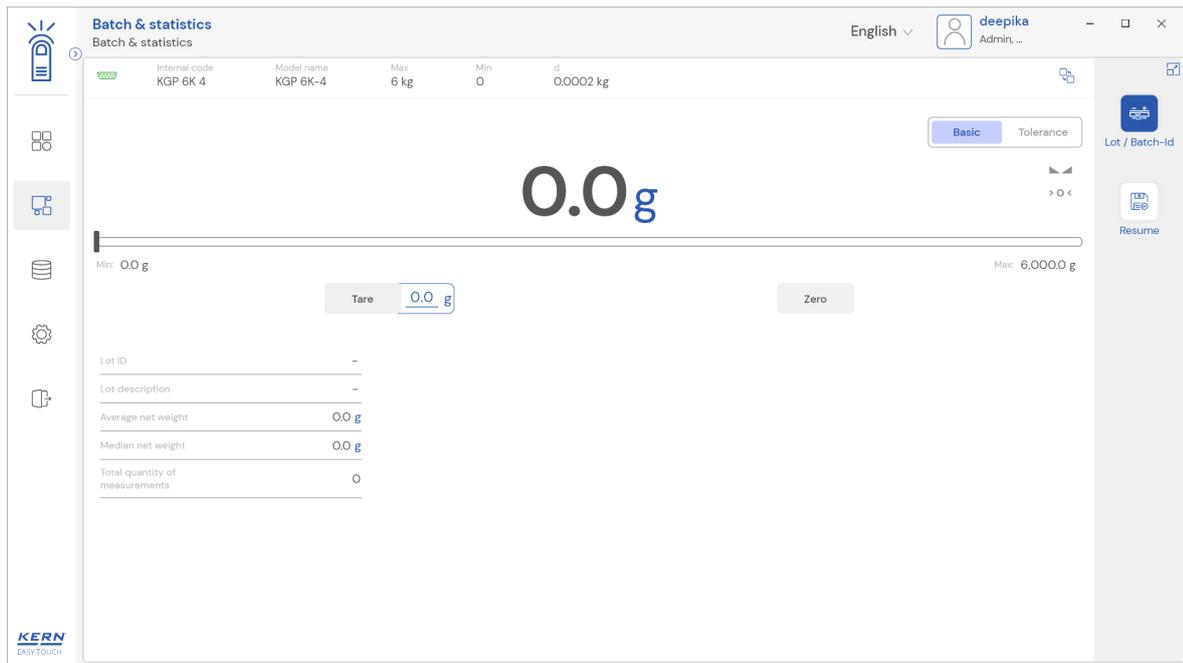
3.1.5 Reset
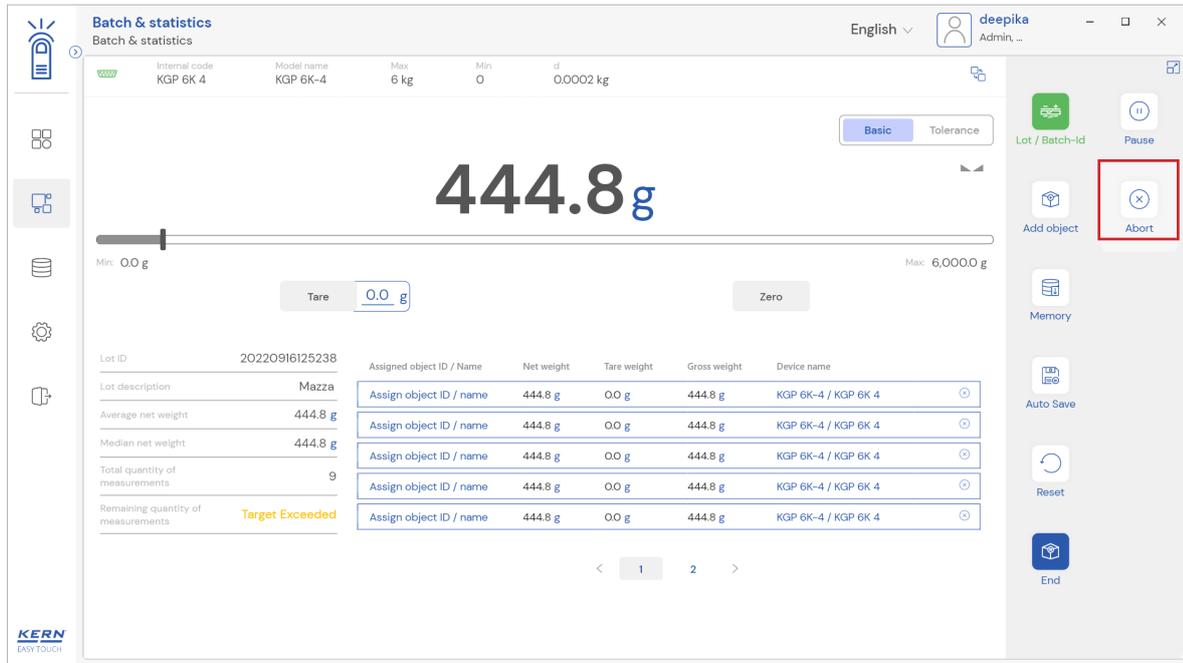The purpose of reset is to clear the stored readings.

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


3.1.6 Abort

The purpose of the abort functionality is to end the current transaction and the performed transaction will be lost and won't be saved in dynamic database.

Upon clicking on "abort" button the current transaction will be cleared and the transaction details will be saved in the dynamic database.

All the data will be cleared and the now the user is ready to perform new transaction.
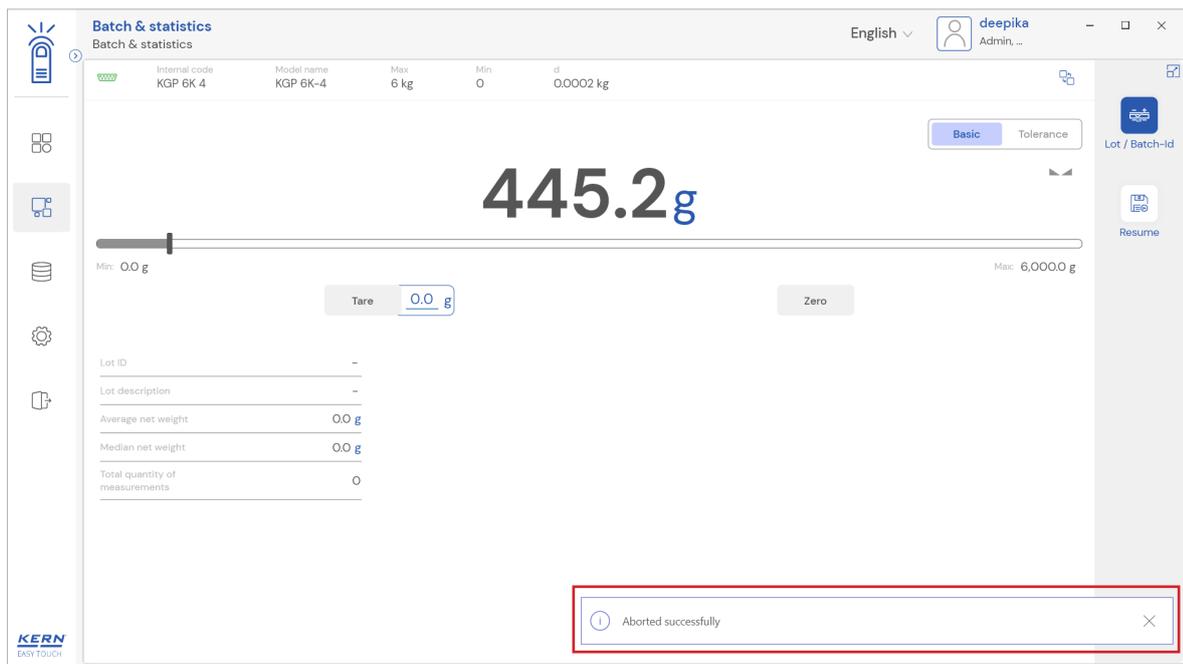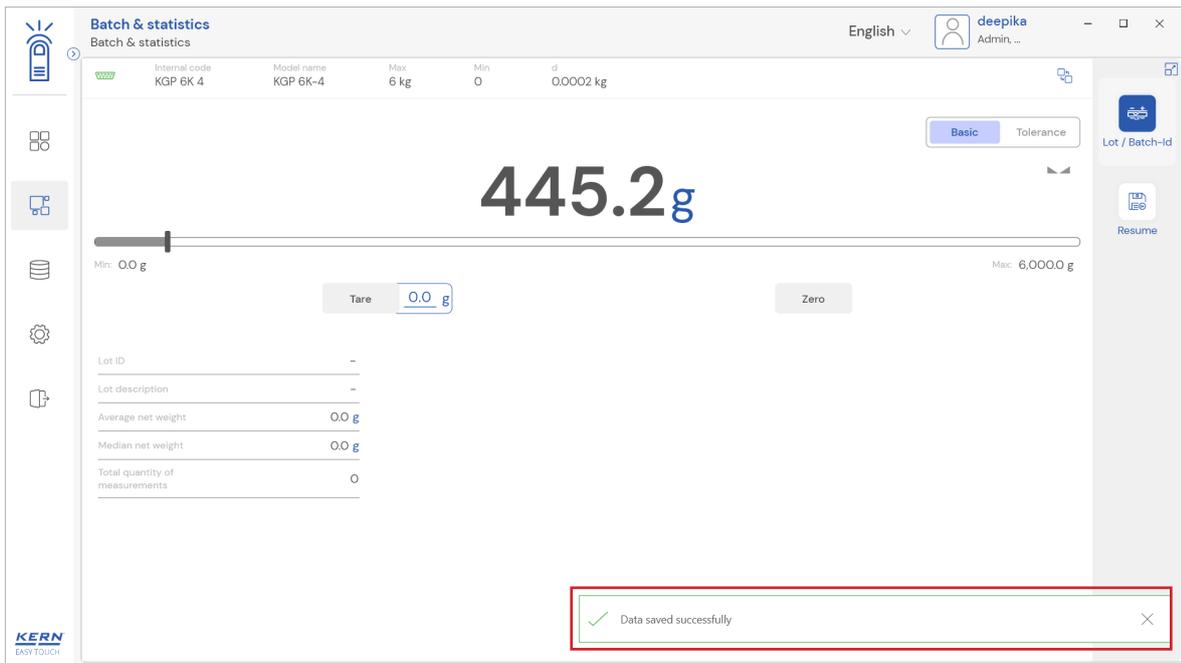

3.1.7 Pause functionality

There is possibility of pausing the batch during the weighing, within one batch, after weighing an element, to interrupt the process and to continue after a certain time at which you can use pause and resume functionality.
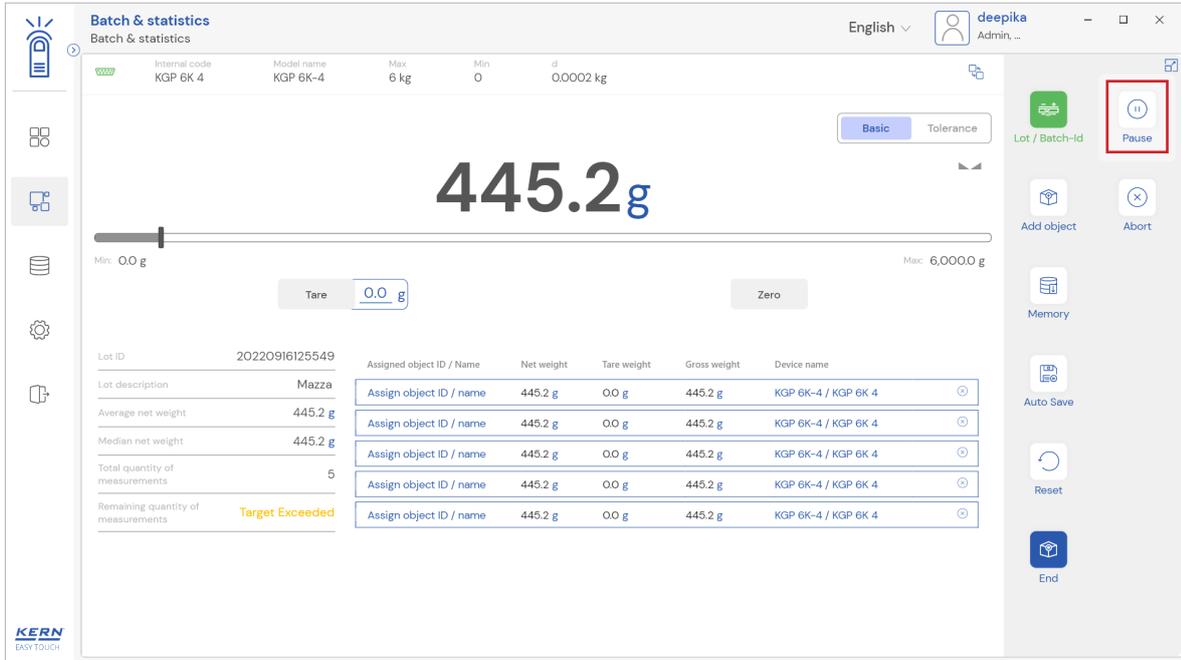
Upon clicking on the "pause" button, the values registered up to now are stored and the values will get reset and all the entered data will be cleared.
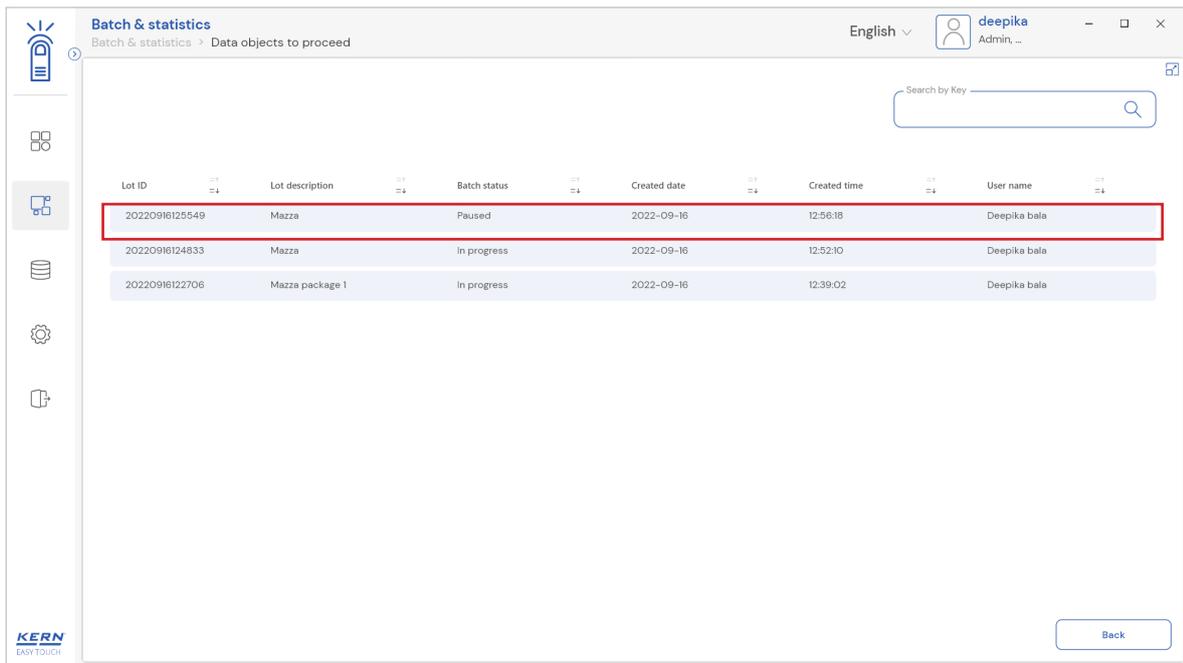

3.1.8 Resume functionality

A resume functionality will display all the paused batch instances, and upon clicking the paused instance, the batch will be resumed and measured.

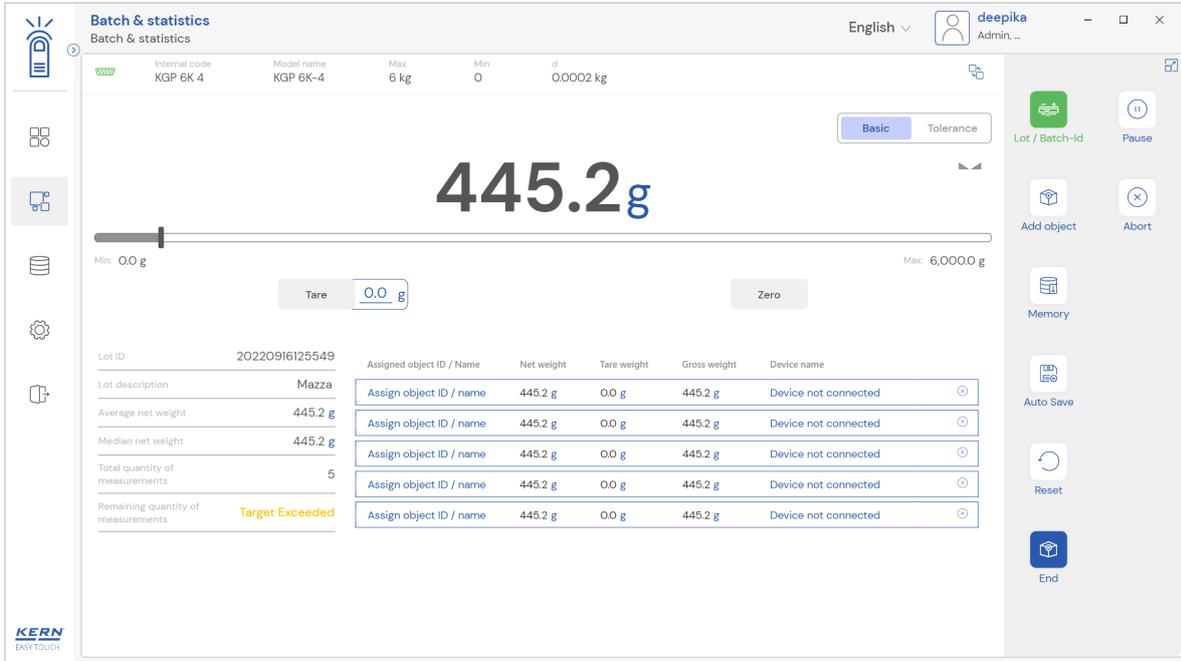- To continue the paused weighing click the "resume" button in the function batch & statistic.
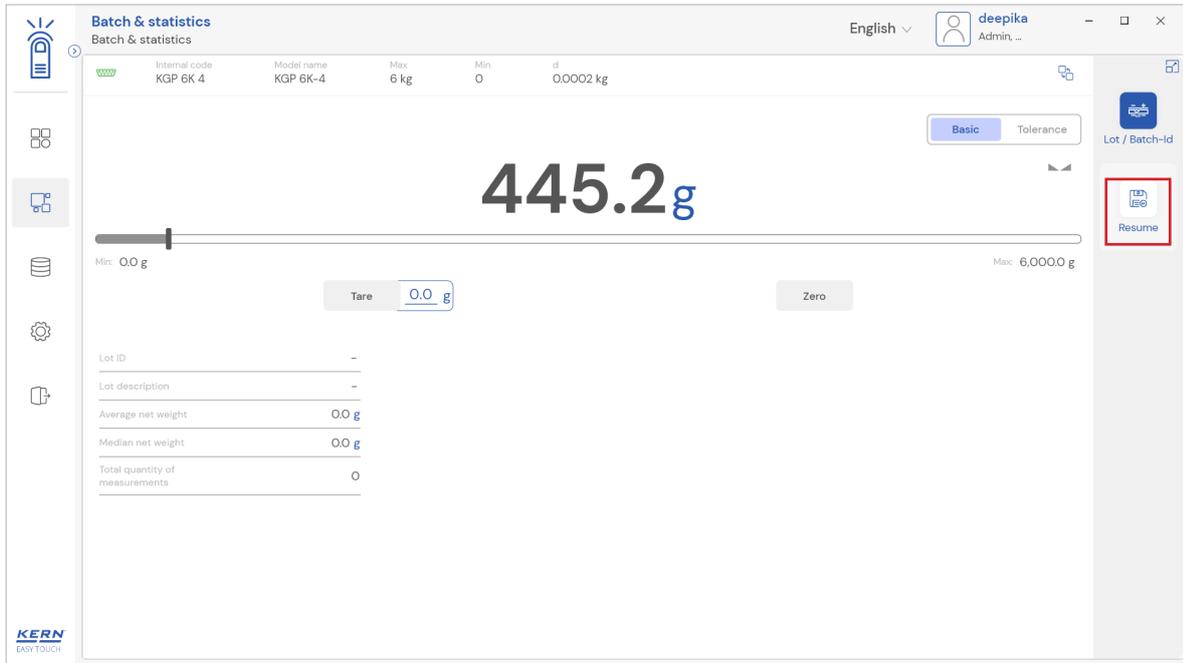
- The overview of the batches registered up to now appears. Select the required batch.

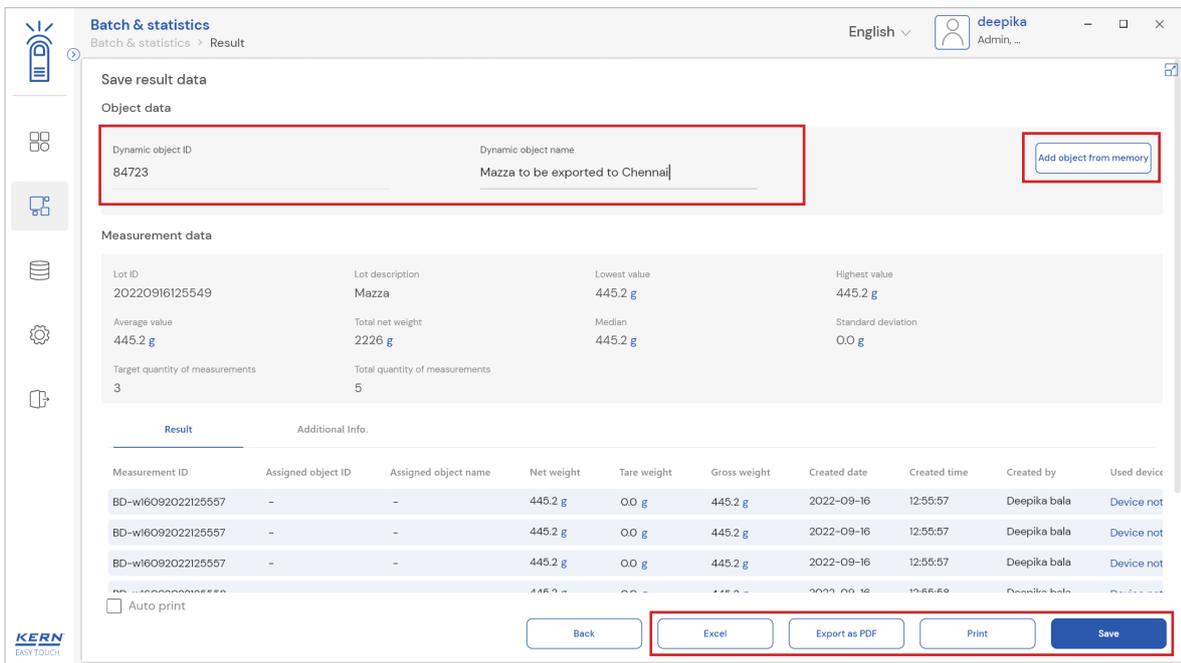- Now click the paused batch, it displays the screen with the last measurement appears.

3.2   Result data

An overview of the determined data appears upon clicking on the button "end".
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

3.2.1 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.

3.2.2 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.

3.2.3 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.
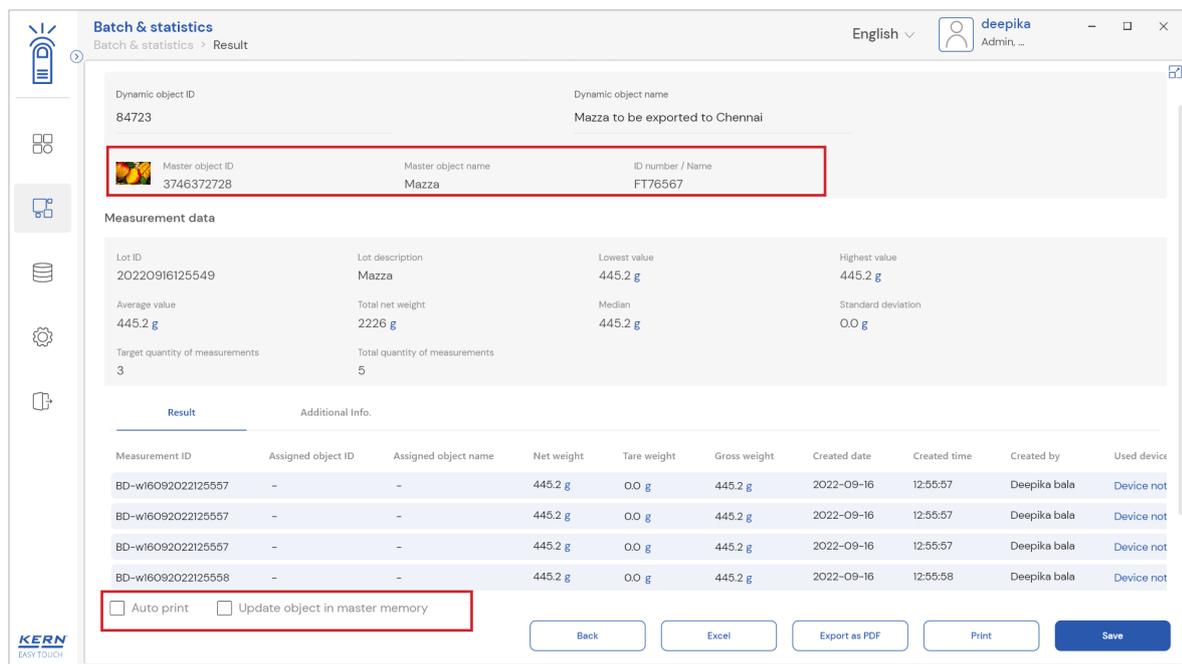
3.2.4 Update object in master memory

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 will be updated in the master memory and can be utilized for future purposes.
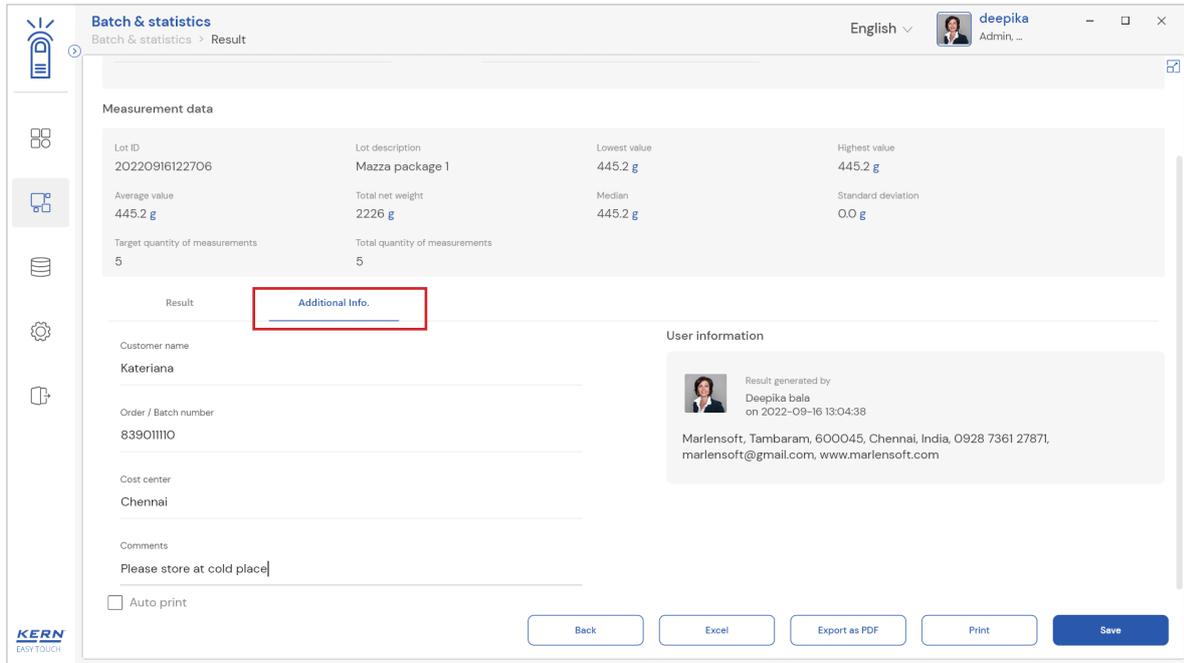
3.2.5 Auto print

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.

3.2.6 Additional data

User will have an option to enter the additional information as such the customer's name, order or batch number, cost center, comments.
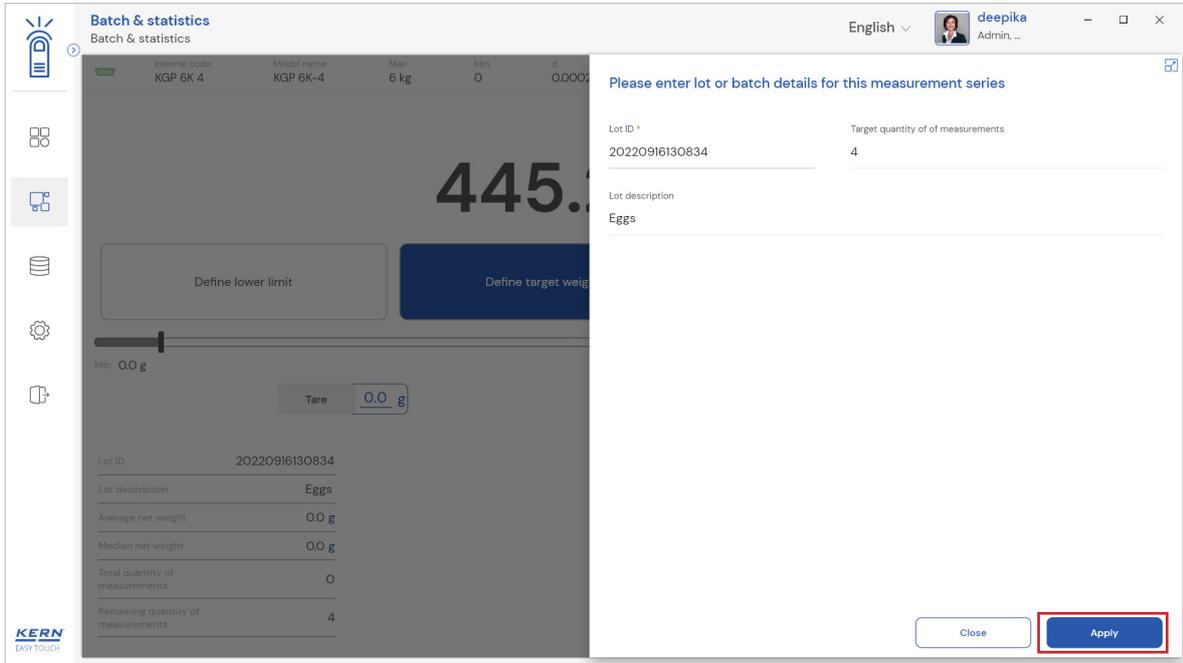
3.3 Batch and statistics - tolerance mode

Upon clicking on "Batch and statistics" the below screen appears whereby default weighing is selected and the user has the provision to switch between weighing and tolerance.
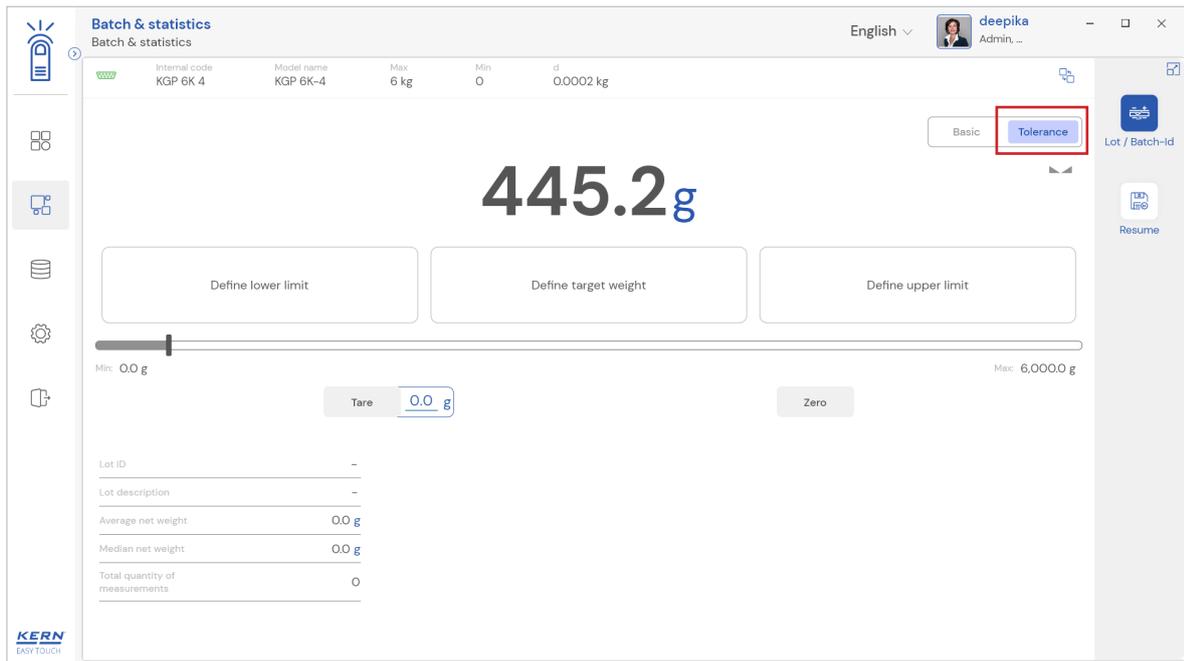
Here the user can select the tolerance mode and proceed further for dosing the batch

3.3.1 Lot / Batch ID

The screen for creating a new master data object for a batch in weighing mode is displayed, with the ID lot already filled with the current date and time, and the user can edit it and enter the description for the batch if desired

Lot ID: The lot ID is already filled with the current date and time, and you can edit it or enter the new lot ID for the batch if desired. This LOT ID must stay unique and can be searched in the dynamic database.

Lot description: Here you can provide the description for the batch if desired.

Target quantity of measurement: The user has the option to enter the target quantity of the measurement, where the user can enter the number of target measurements and is alerted with a warning message if the number of transactions exceeds the target quantity of the measurement.

Apply: Clicking on apply will update the provided details for the current batch in progress and will be displayed in the dosing screen.
Additionally in the menu this "Lot / Batch ID" is displayed green.

3.3.2 Define target weight

User must define the target weight and the tolerance so that it allows us to make the quick judgement whether the measured object weight is inside or outside the limits.

Upon clicking on the define target weight you will be taken to the screen where you can enter the target weight wither manually or by auto mode
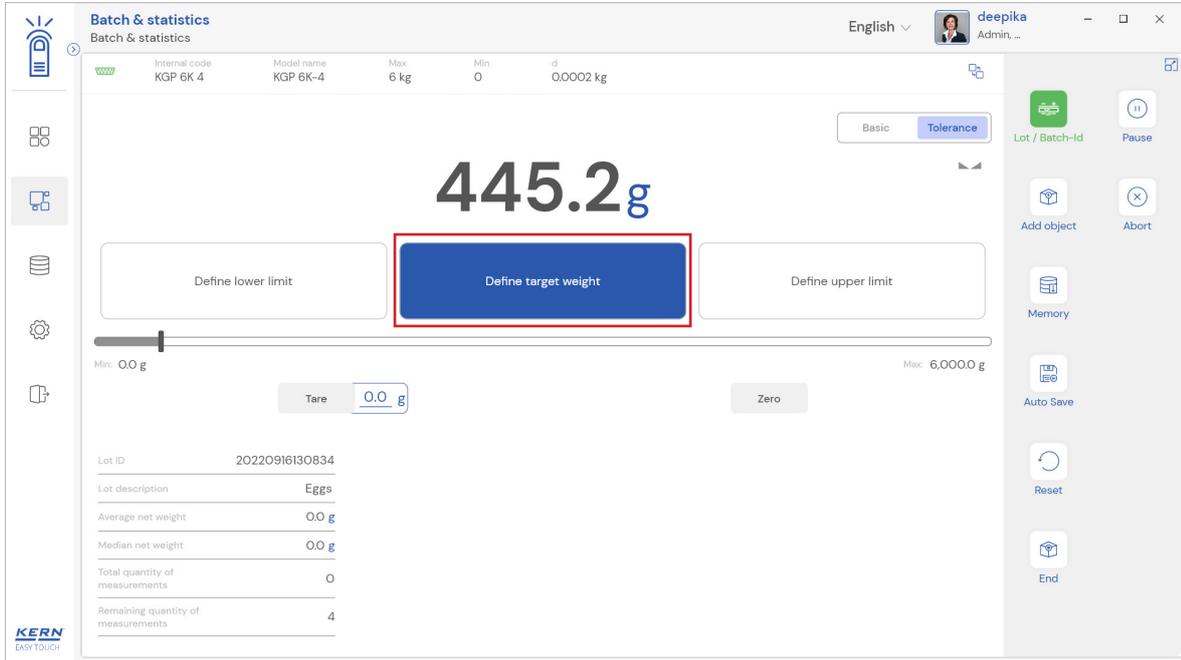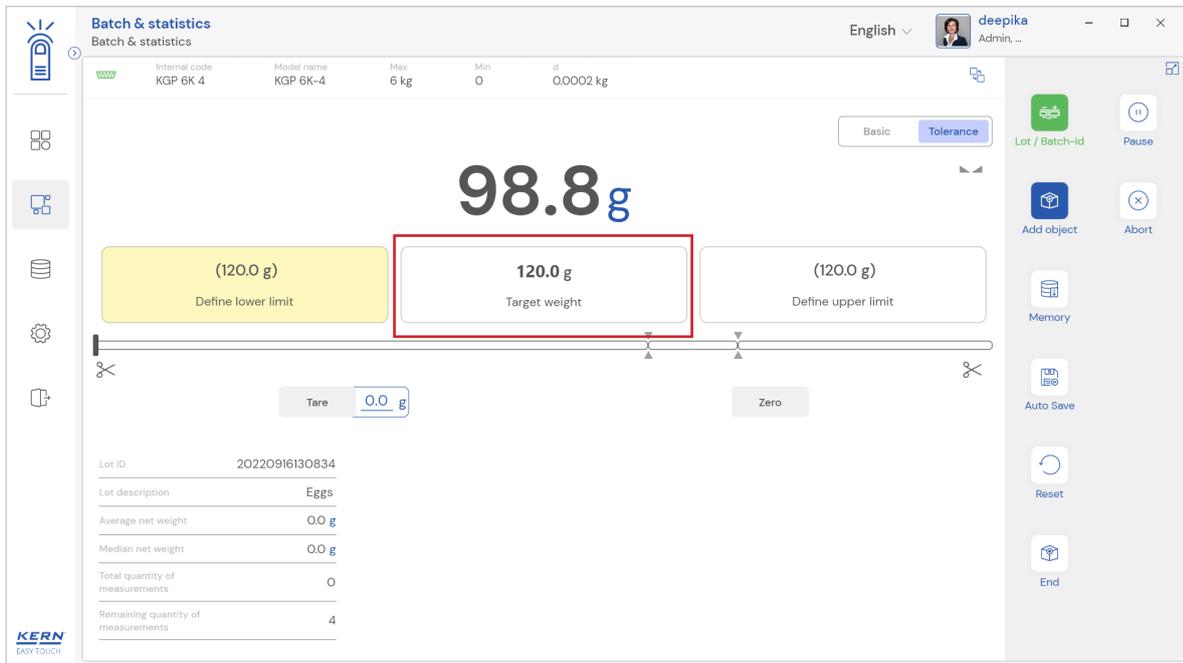

Manual mode:

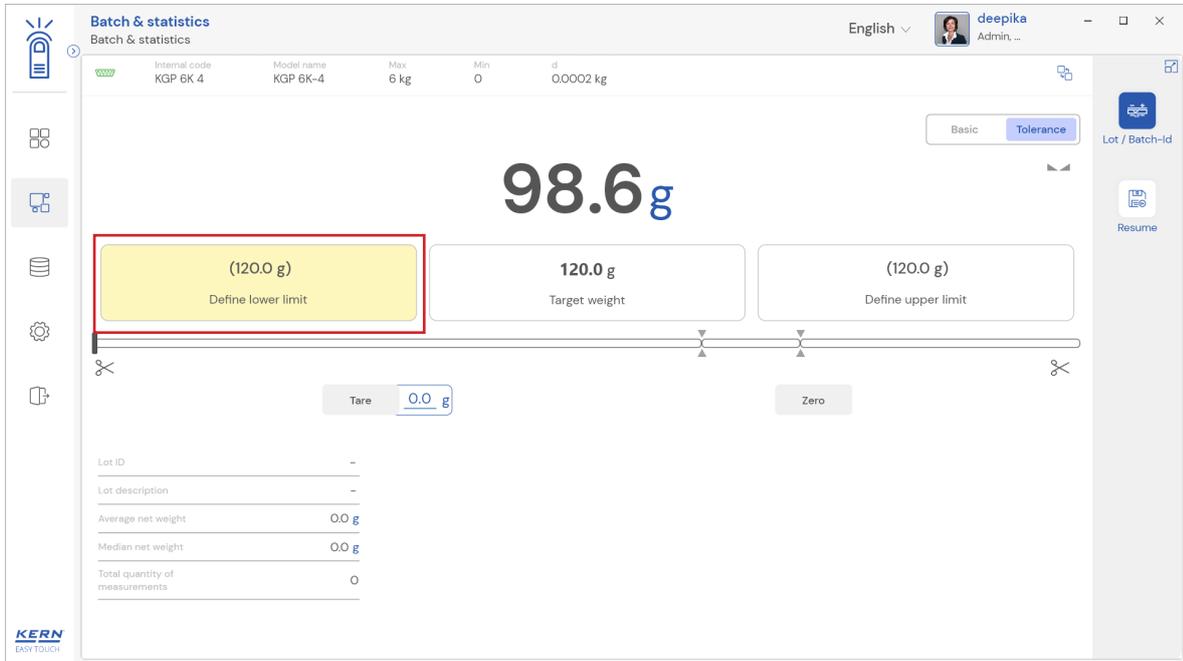To enter the target weight in "manual mode" you can enter the target weight manually in the target weight field and then choose the unit in the unit dropdown and click on apply
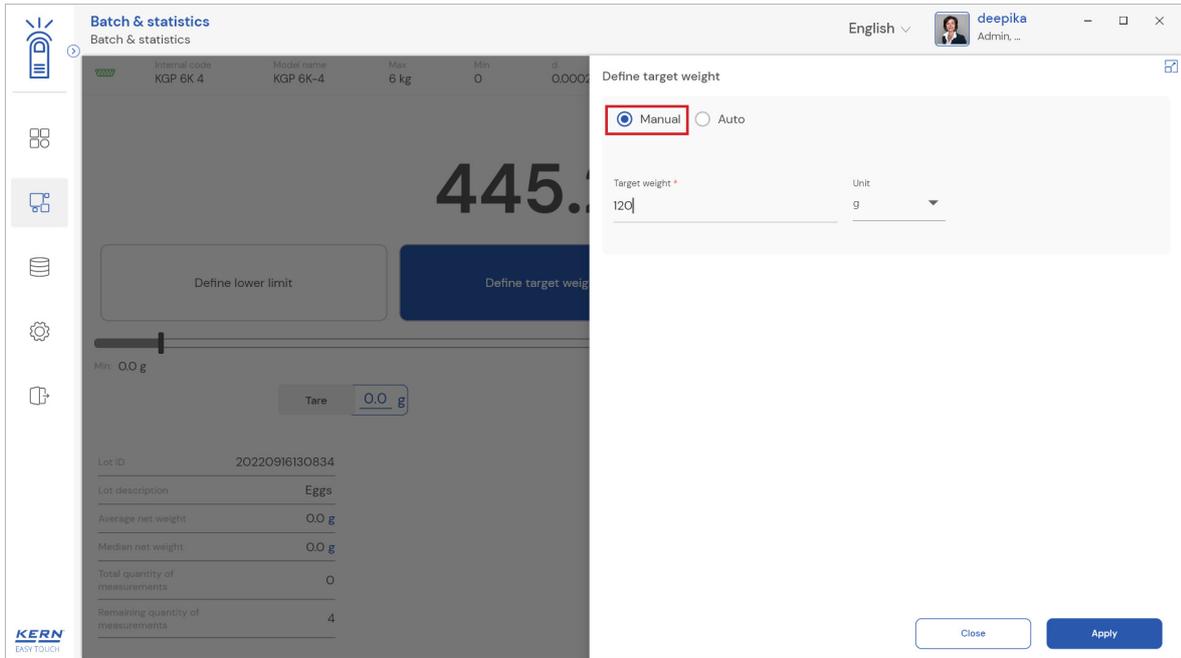
Auto mode:

User has to choose the Auto option to set the target weight directly from the device.

- Click on auto mode in the define target weight screen.
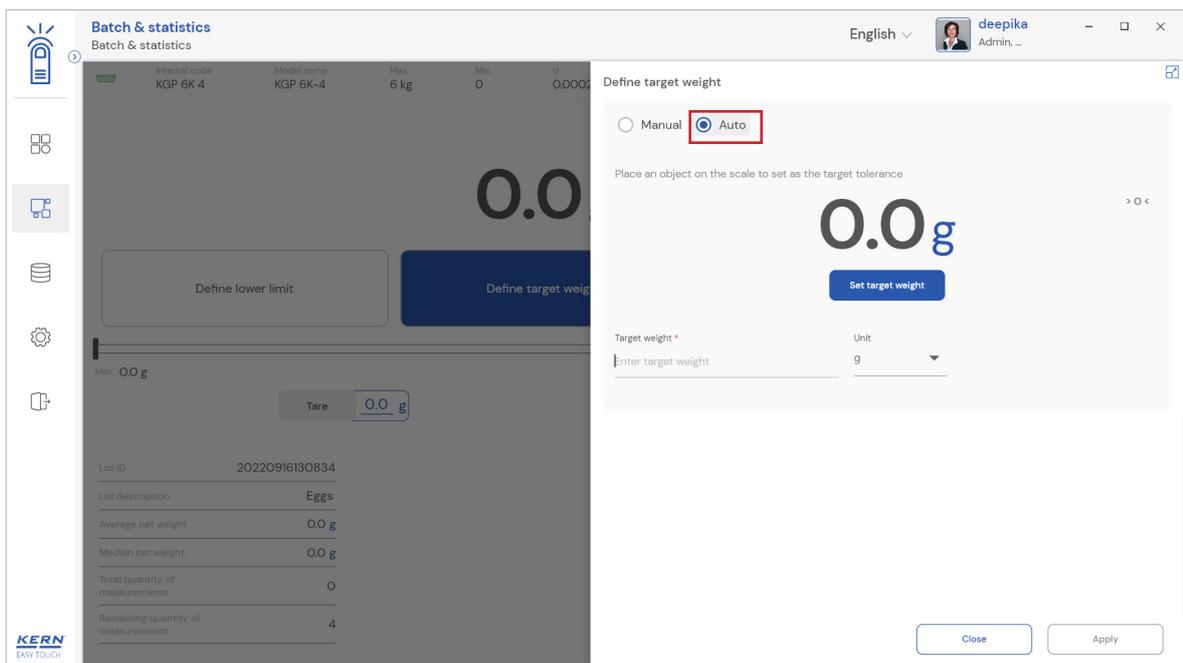
- Now place the target weight on the weighing scale and you can see the change of weight in the screen.
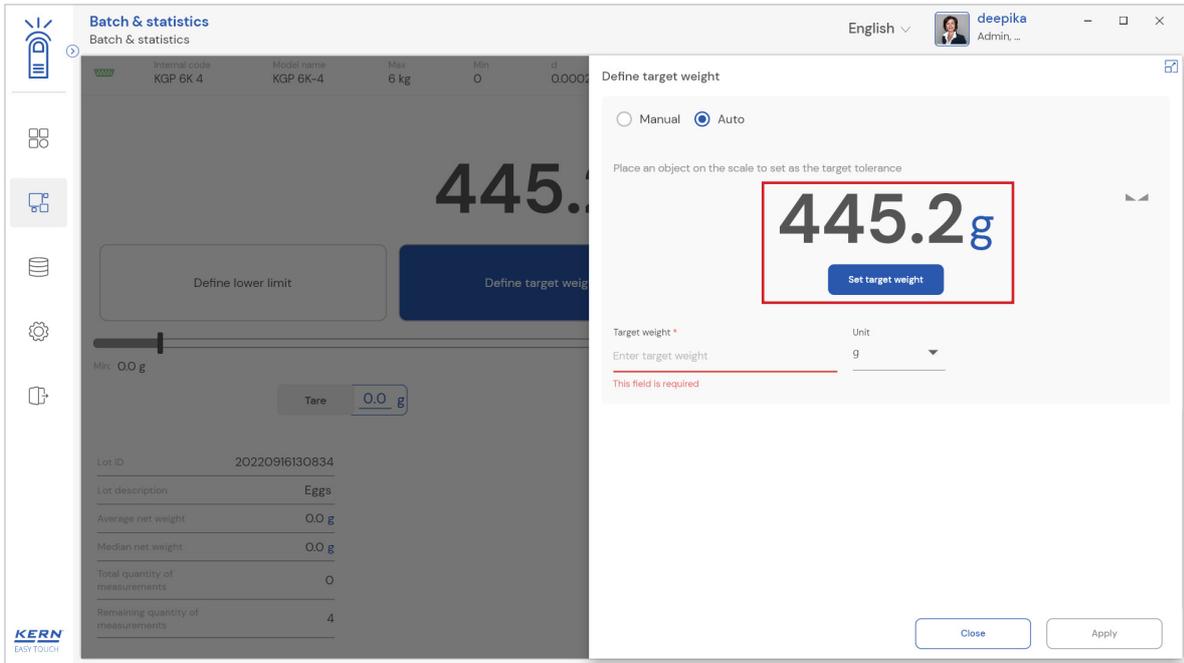
- Now when the weight is stable click on the "set target weight" button. Which will display the current weight in the target weight field.
- Now upon clicking on the "apply" button the defined target weight will be assigned to the current batch.
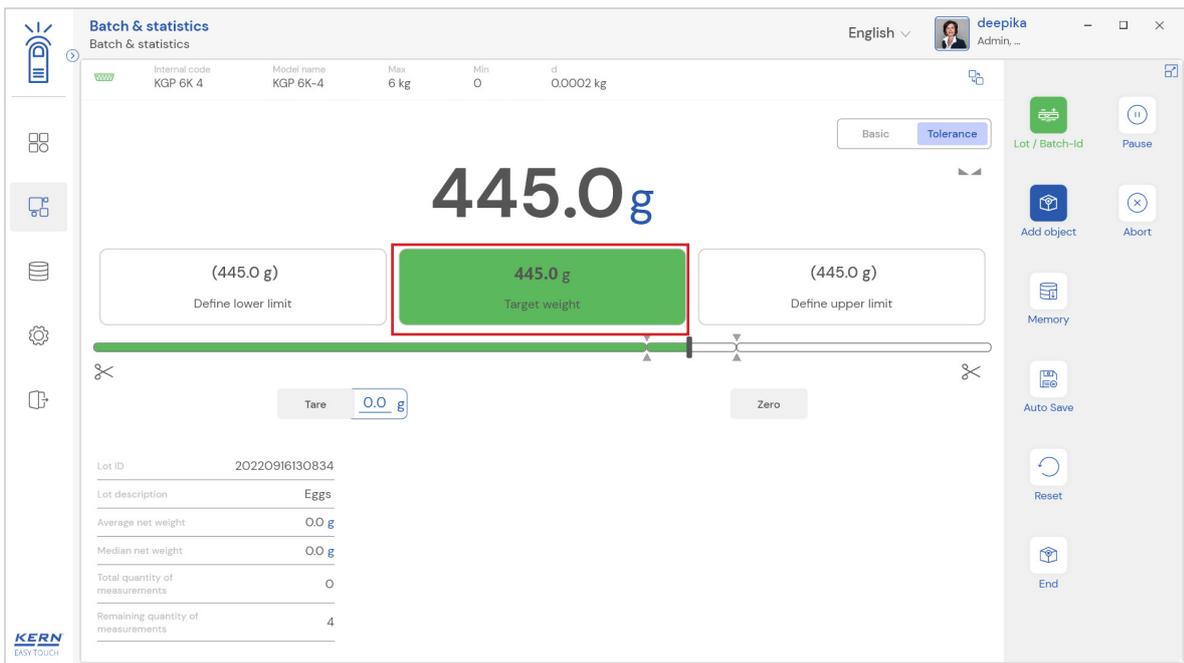
3.3.3 Define lower tolerance

User must set the tolerances so that it allows us to make the quick judgement whether the measured object weight is inside or outside the limits.

Upon clicking on the define lower tolerance you will be taken to the screen where you can enter the lower tolerance weight either manually or by auto mode

Manual mode:

To enter the lower tolerance in "manual mode" you can enter the lower tolerance manually in the lower tolerance field and then choose the unit in the unit dropdown and click on apply.
You can provide the lower tolerance either in gram, kilograms or in percentage
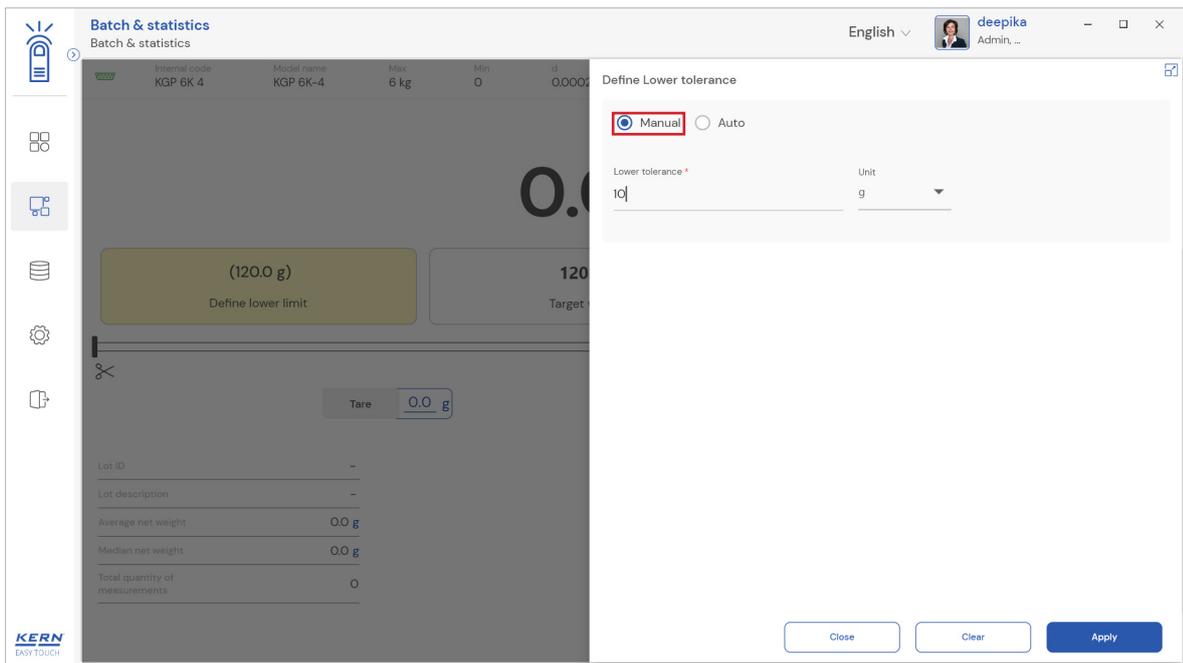
Auto mode:

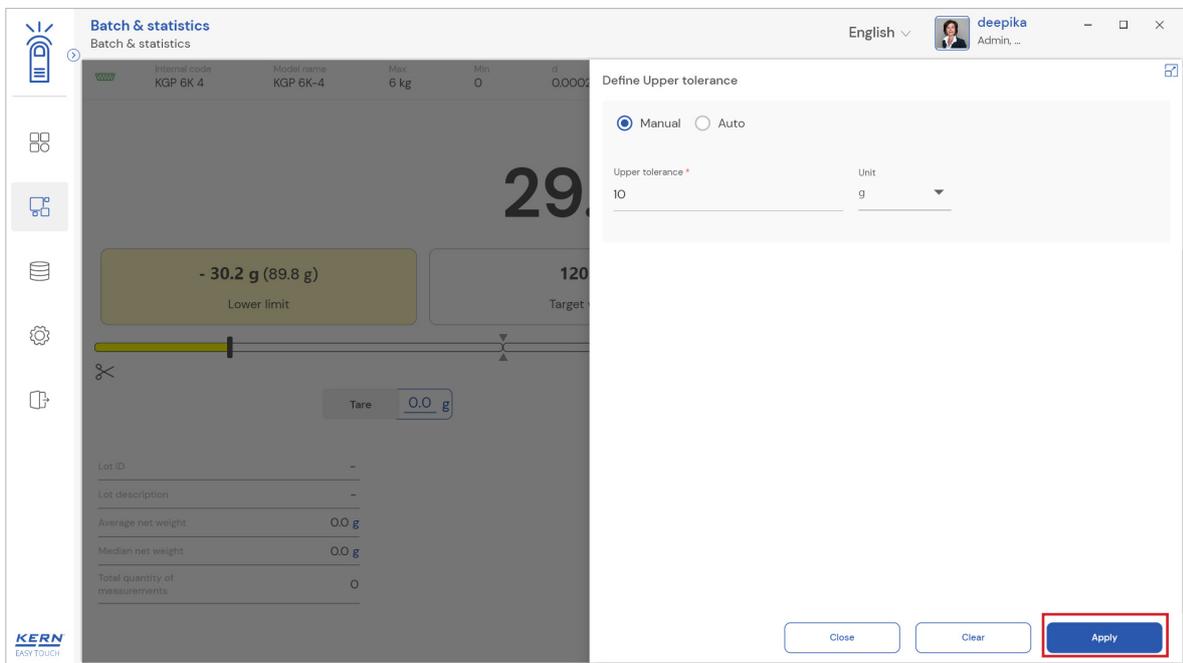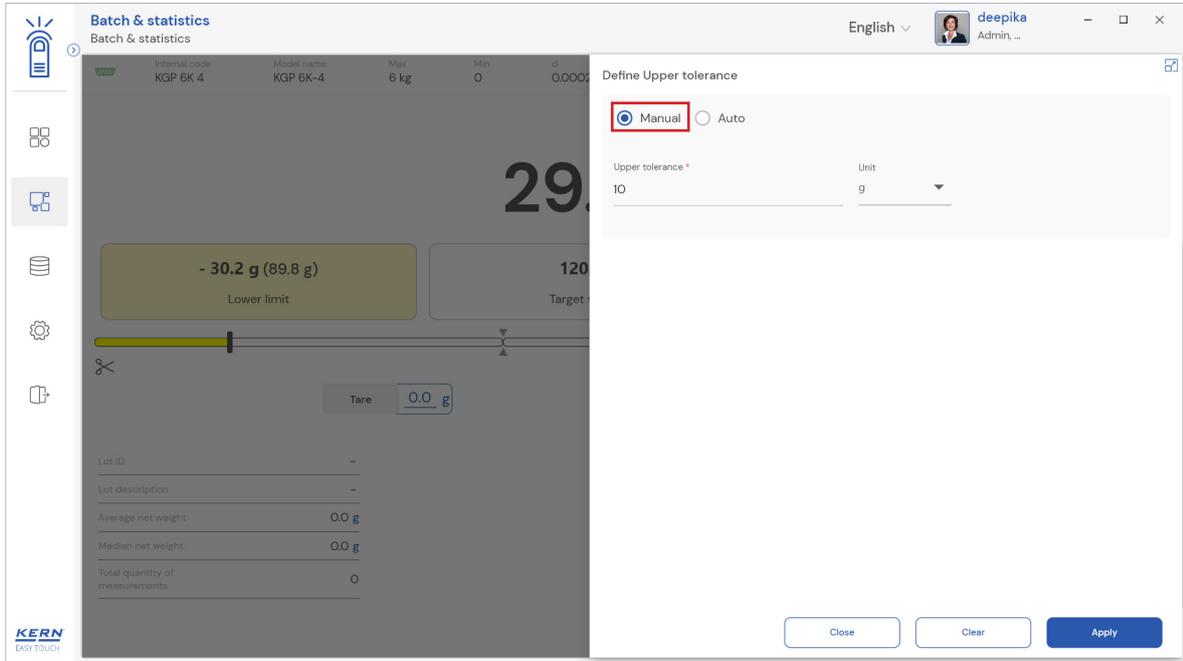- User has to choose the auto option to set the lower limit directly from the device.
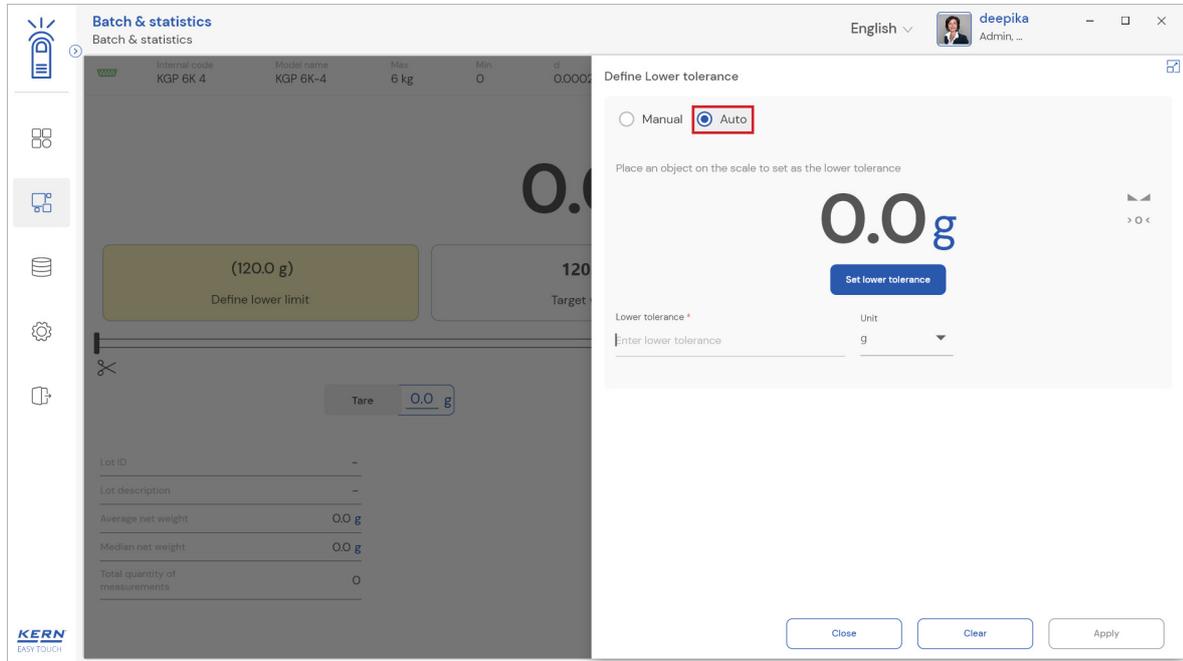
- Click on uto mode in the define lower tolerance screen.
- Now place the target weight on the weighing scale and you can see the change of weight in the screen.
- Now when the weight is stable click on the "set lower tolerance" button which will display the current weight in the lower tolerance field.
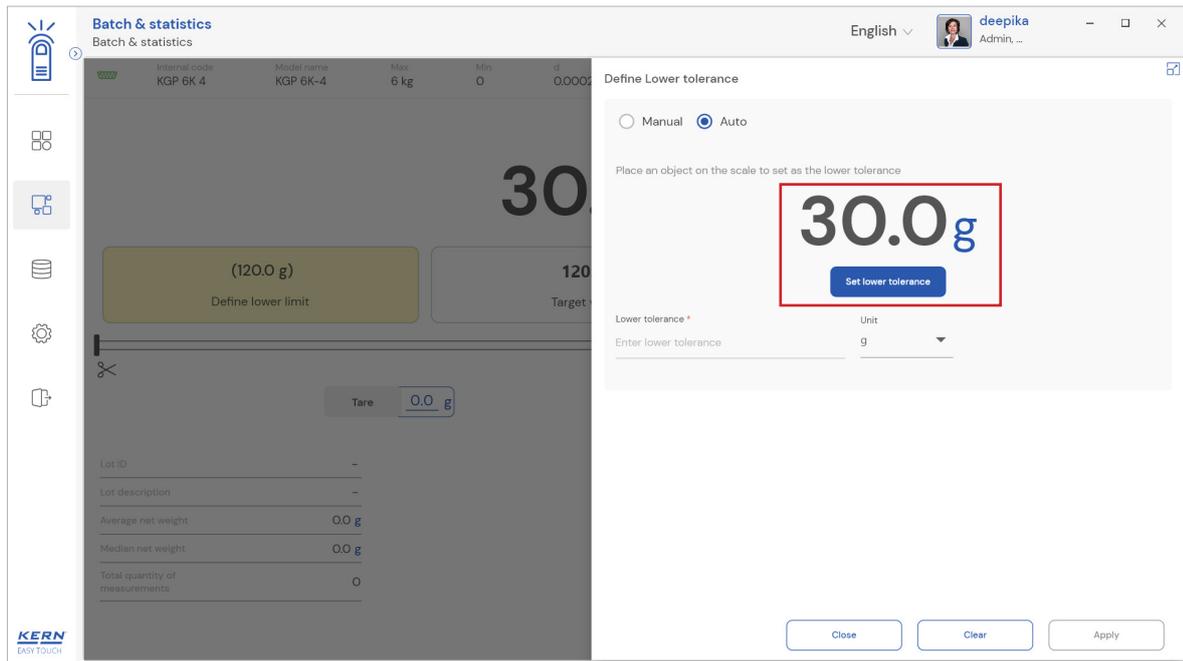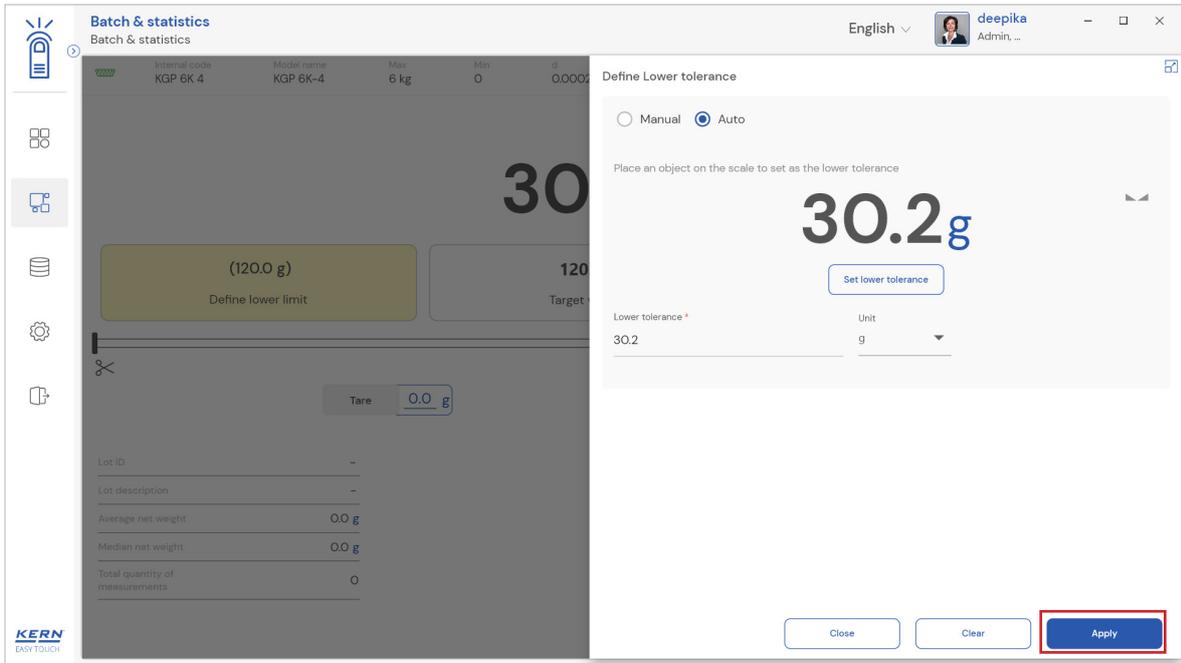
- Now upon clicking on the "apply" button the defined lower tolerance will be assigned to the current batch.
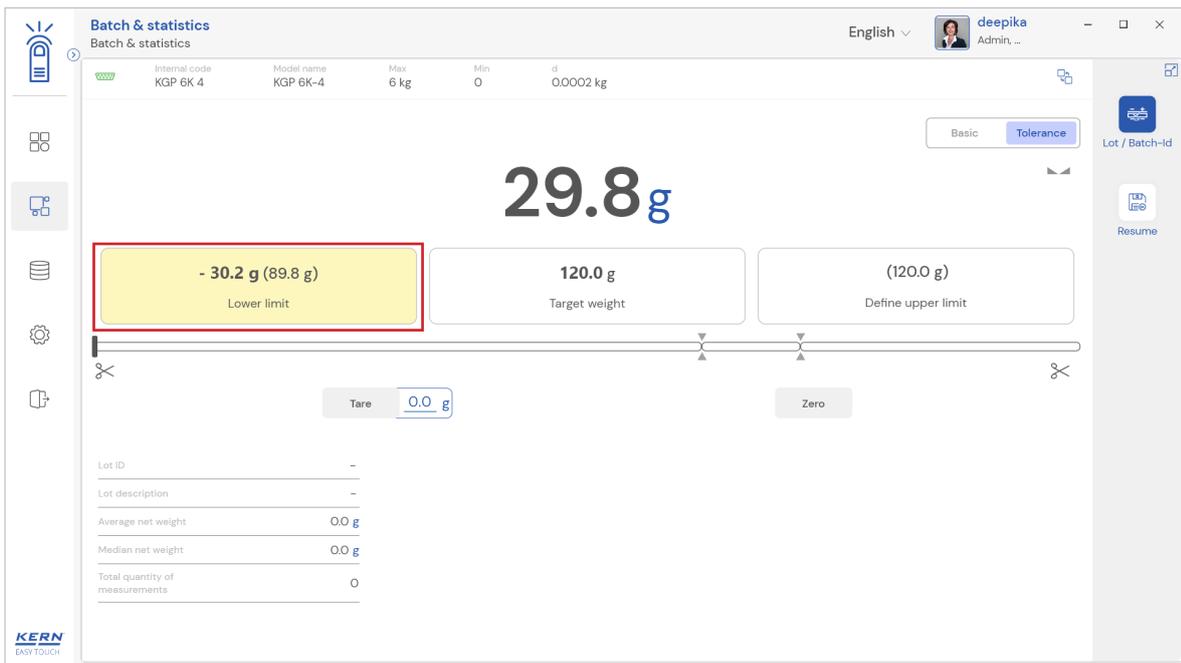
3.3.4 Define upper tolerance

User must set the tolerances so that it allows us to make the quick judgement whether the measured object weight is inside or outside the limits.

Upon clicking on the define upper tolerance you will be taken to the screen where you can enter the lower tolerance either manually or by auto mode

Manual mode: To enter the upper tolerance in "manual mode" you can enter the upper tolerance manually in the upper tolerance field and then choose the unit in the unit dropdown and click on apply

You can provide the upper tolerance either in gram, kilograms or in percentage

Auto mode:

- User has to choose the auto option to set the upper limit directly from the device.
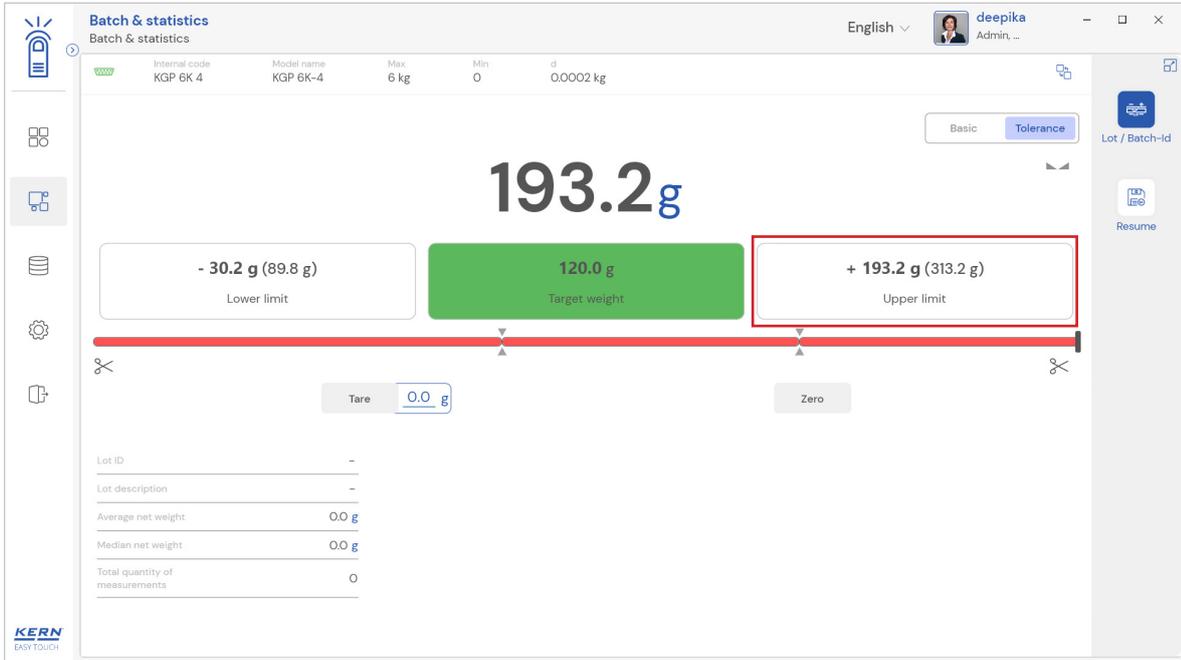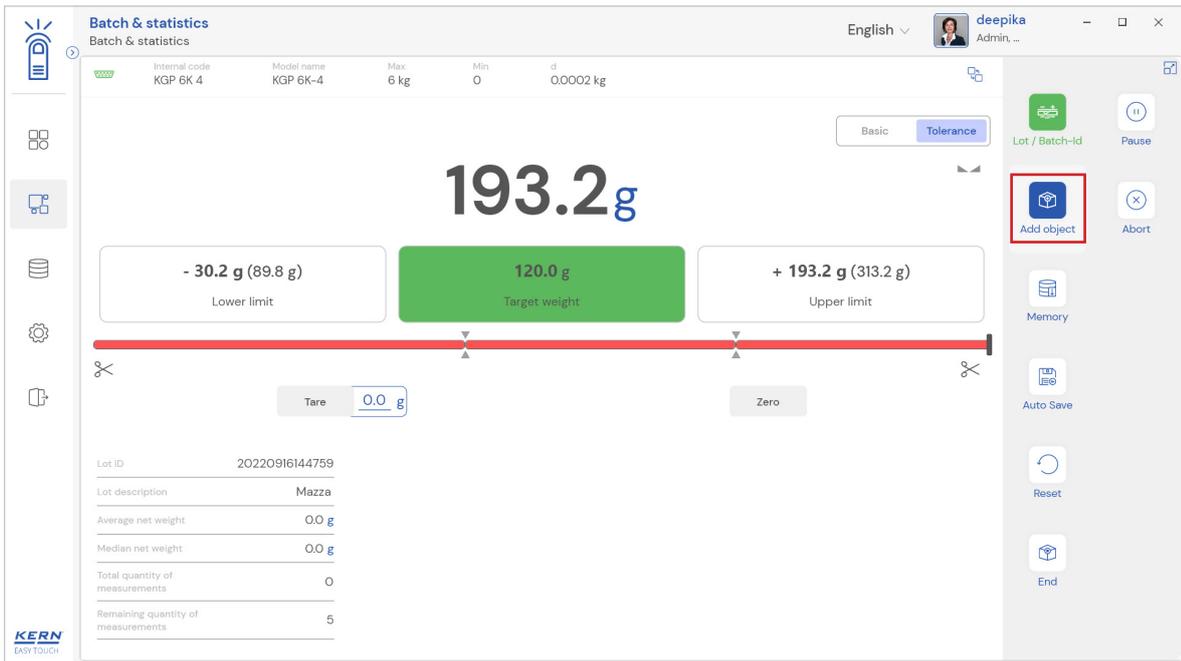- Click on auto mode in the define upper tolerance screen.
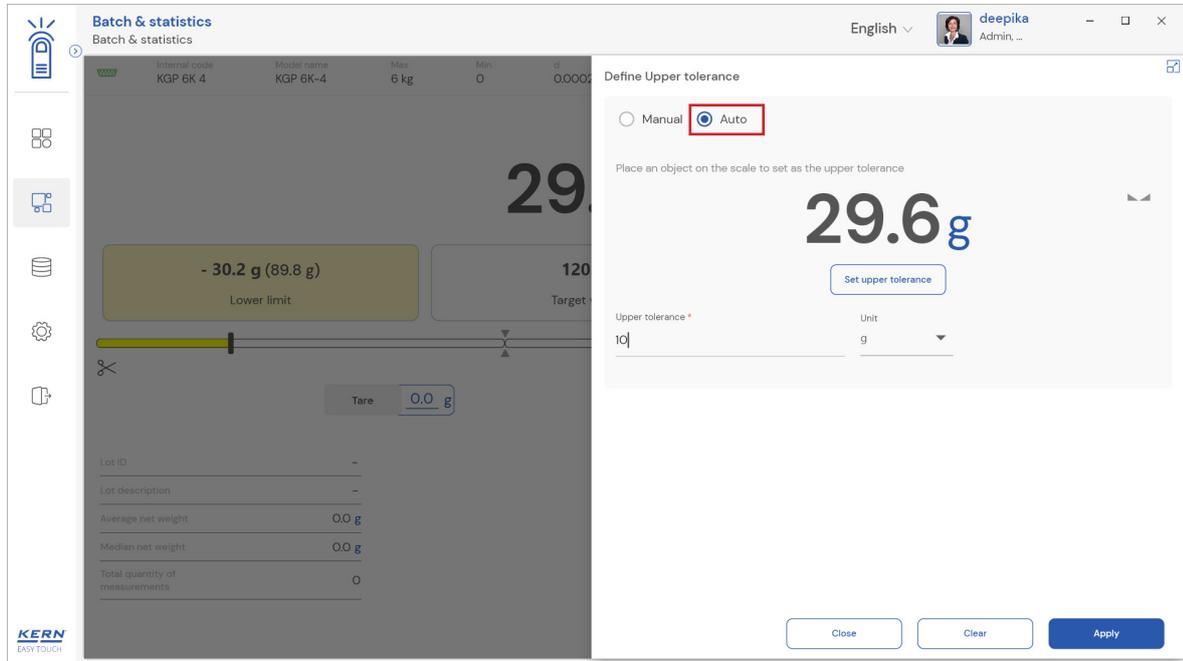
- Now place the lower tolerance on the weighing scale and you can see the change of weight in the screen.
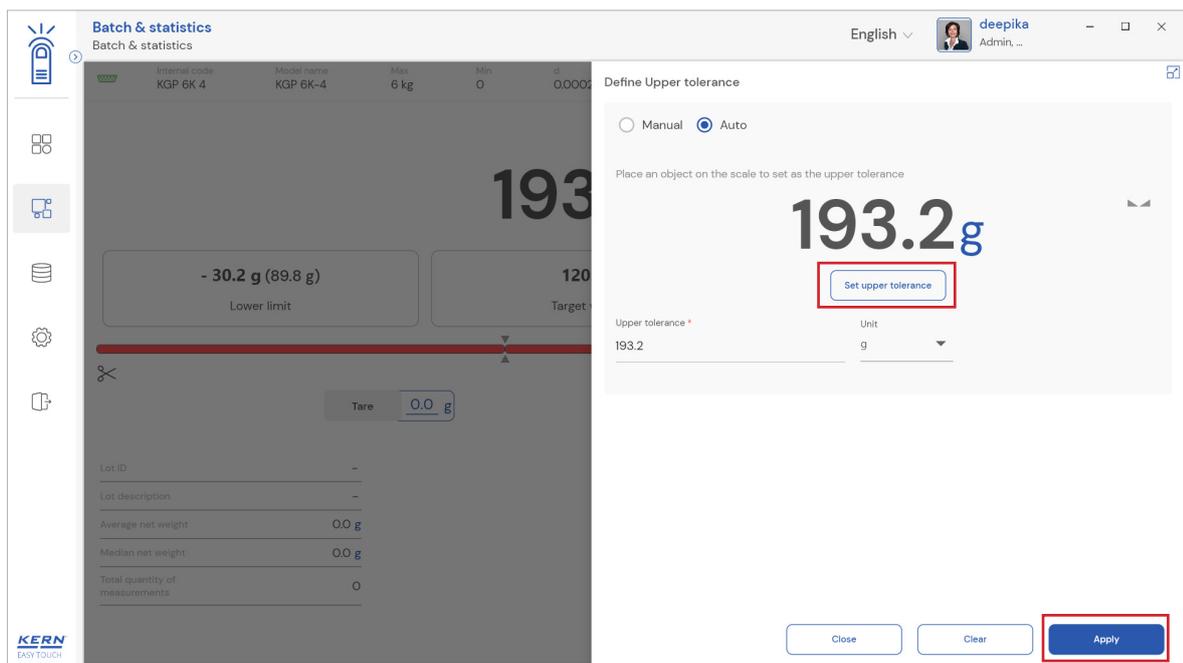
- Now when the weight is stable click on the "set upper tolerance" button which will display the current weight in the upper tolerance field.
- Now upon clicking on the "apply" button the defined lower tolerance will be assigned to the current batch.

3.3.5 Add object

When using the tare, place the respective object to tare and click on the tare button or enter the tare weight manually.

- The net weight is displayed with the indicator "NET"
- The tare weight gets displayed

- Place the first object what you are required to weigh on the weighing plate, wait for the stability indicator and click the button "add object" in the menu bar.
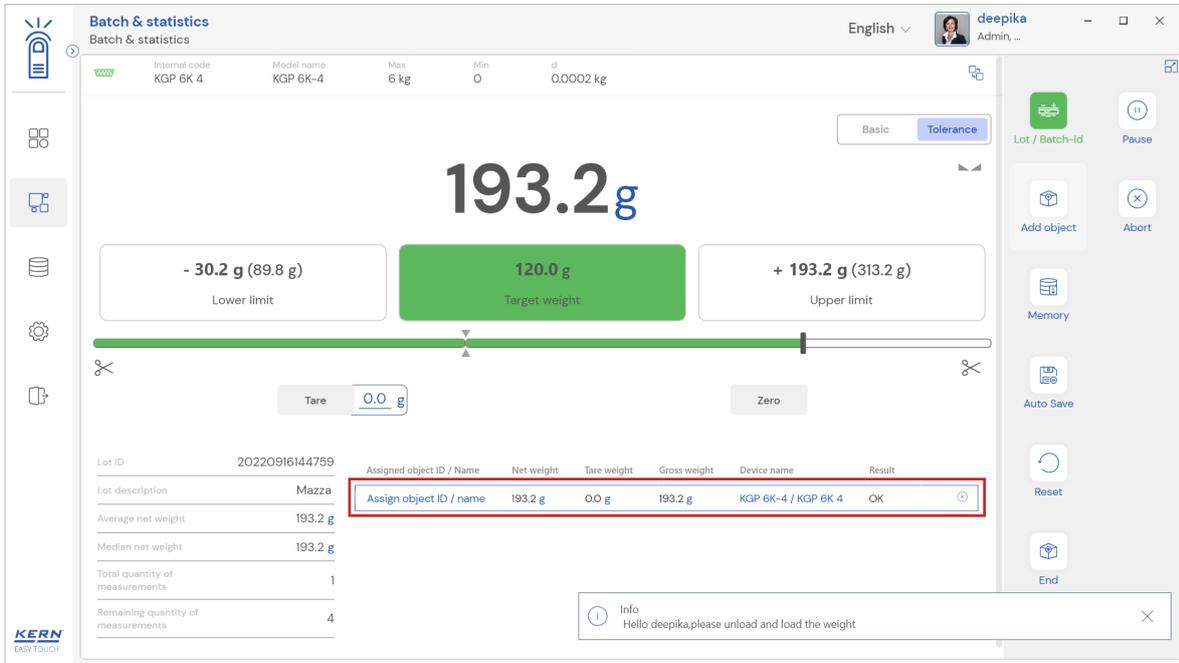
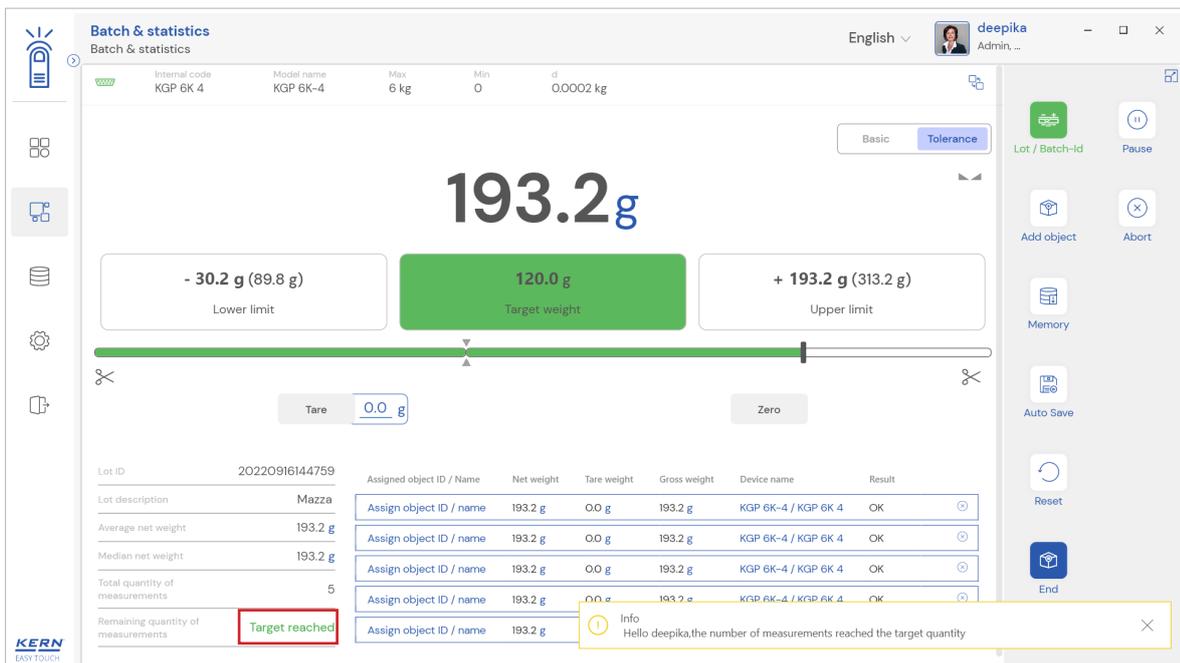- The user can notice that the first object is being added.

- The average net weight, the medium net weight and below the quantity of measurements are displayed, they are updated every time they are stored
- User can also view the remaining quantity of measurements compared with the target quantity of measurement which is mentioned.
- The result of the first measurement will be displayed as ok or not ok
- Ok- If the measured object is with the tolerance limit
- Not ok- If the measured object is greater than or lower than the tolerance limit
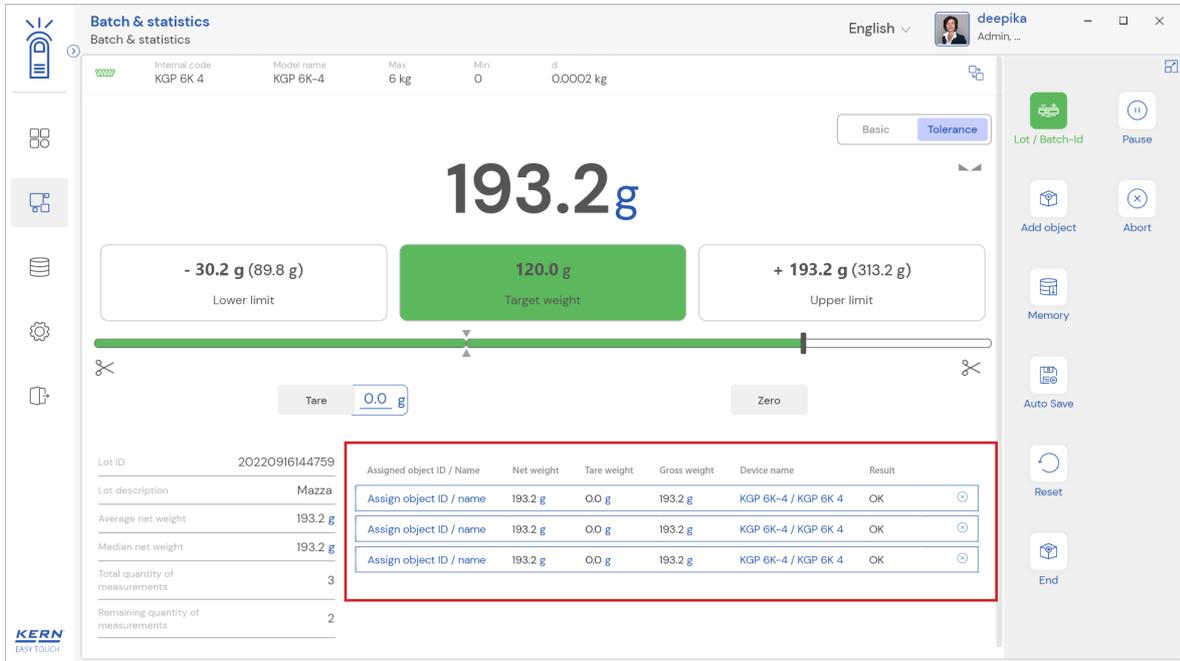
- Remove the first object from the weighing plate and place the second object on the weighing plate, wait for the stability display and then press again the "add object" button.
- Please follow the same procedure to add the objects.
- The net weight of the second component has been determined the average net weight, the medium net weight will be calculated accordingly and displayed in the screen.

- User is also alerted with the indication "target reached" if the number of measurements reaches the target and "target exceeded" in case of exceeding the target.

English

- The user can be able to give an object id and name to the list of transactions done by clicking on the hyperlink "assign object ID / name".
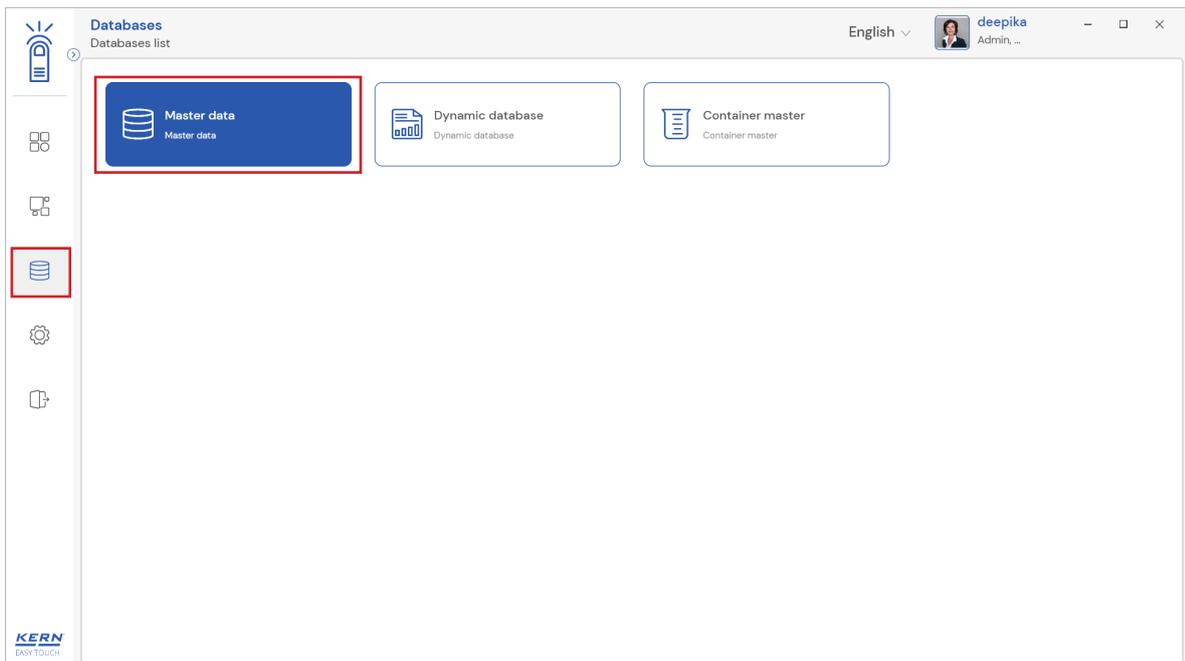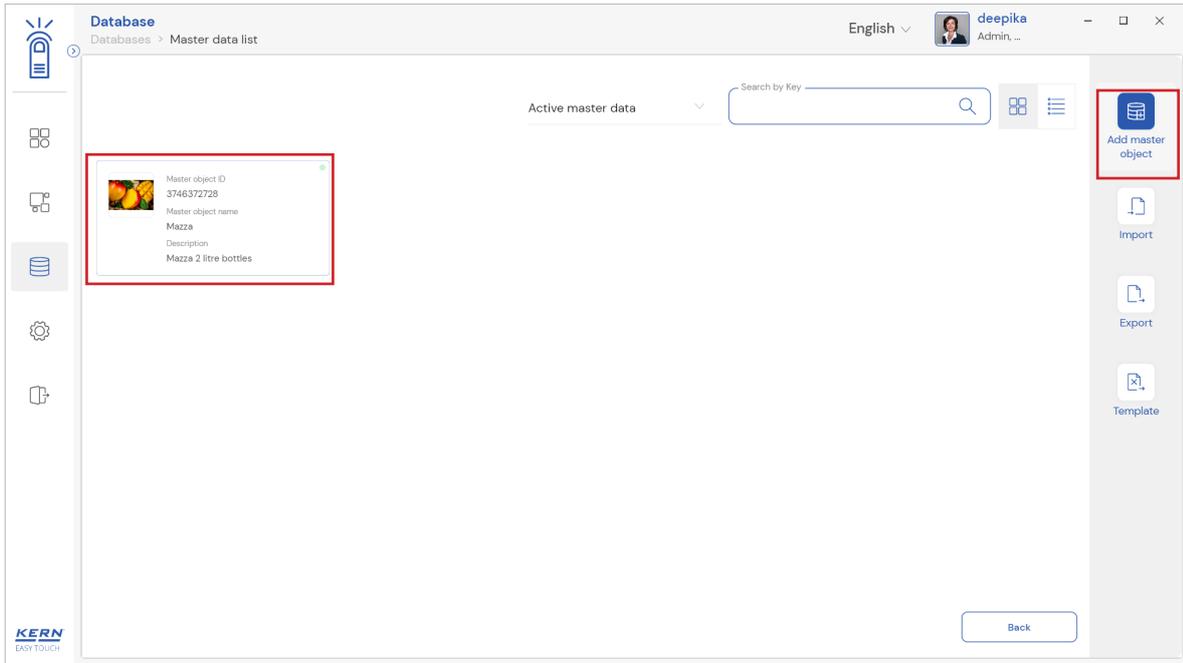
3.3.6 Memory
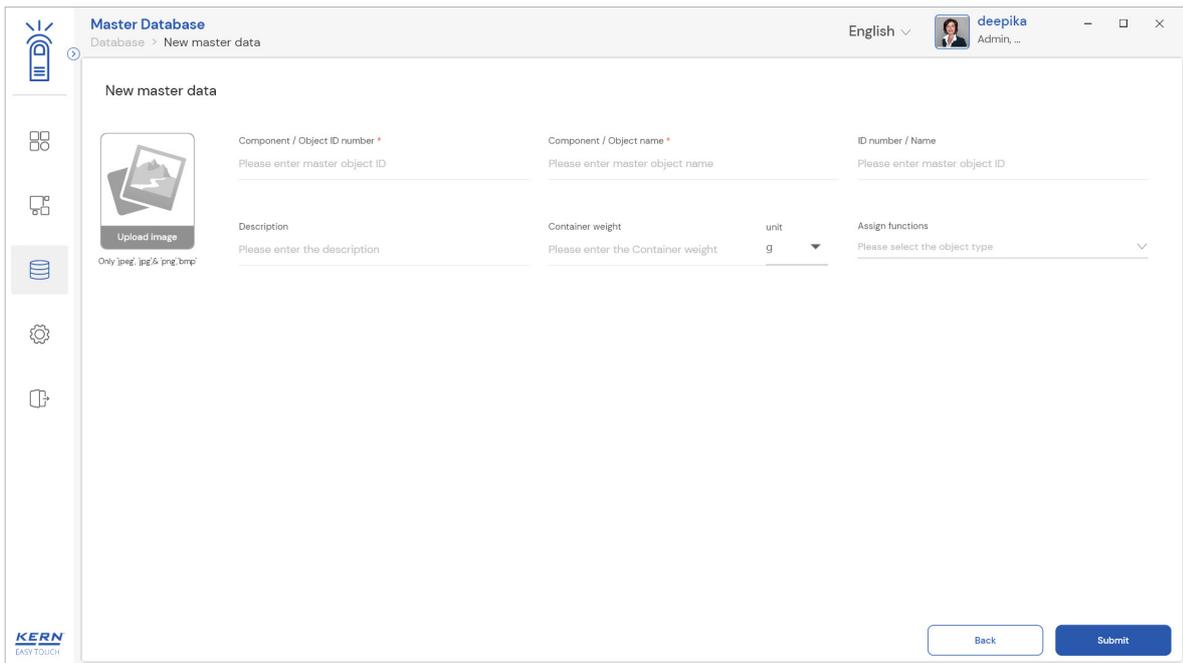Create a master object with batch and statistics properties
- Click the database icon from the main menu
- The database list will be displayed and click on the "master database" from the list.

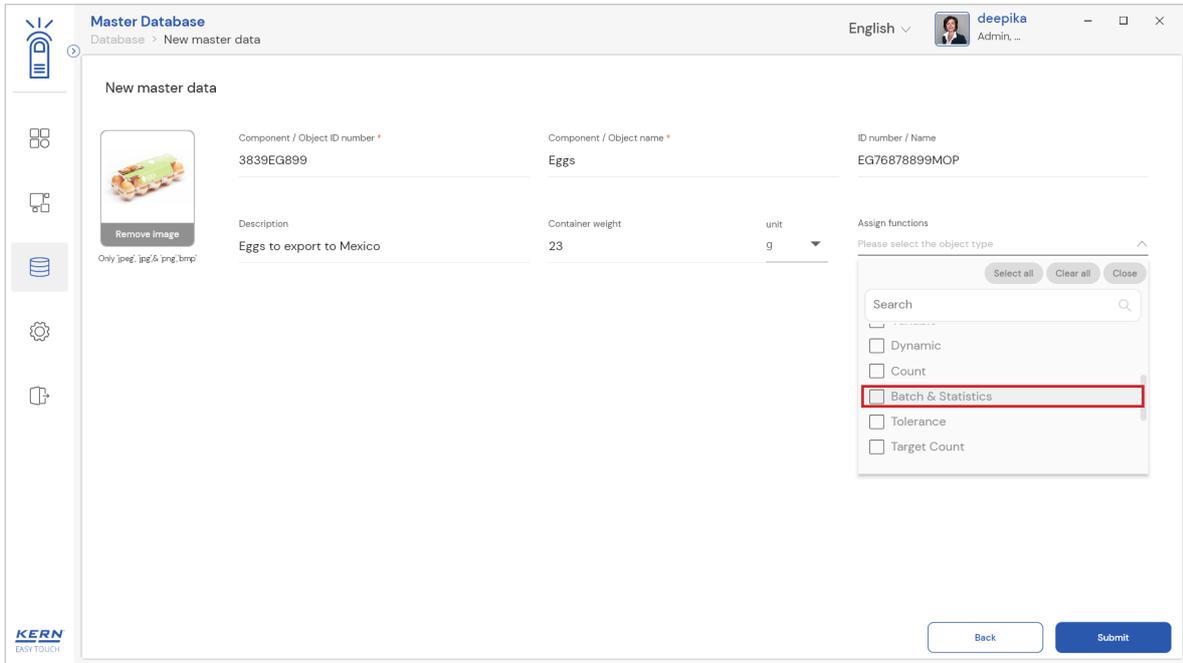- The overview of the currently filed master data's appears.

English

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- By clicking on "add master object", the user can add a new master object with batch and statistics properties and reuse it later in function if needed.
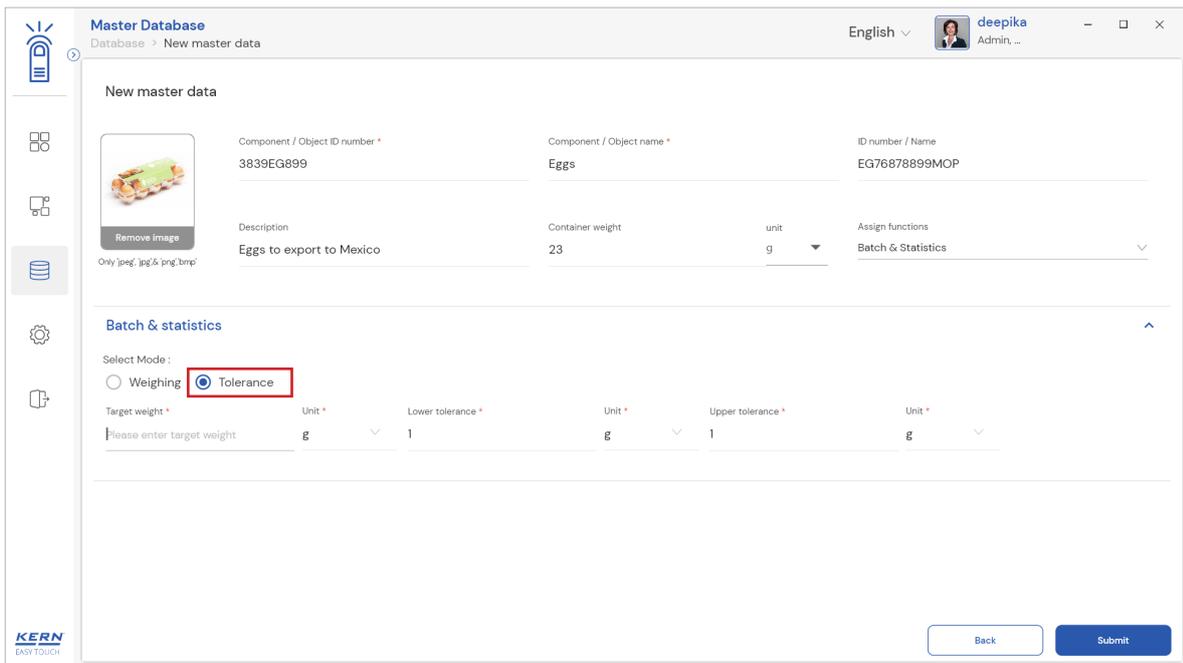

- The user must enter the unique master object ID and name in the mandatory field. To assign properties, the user can choose the batch and statistics in the assign function.
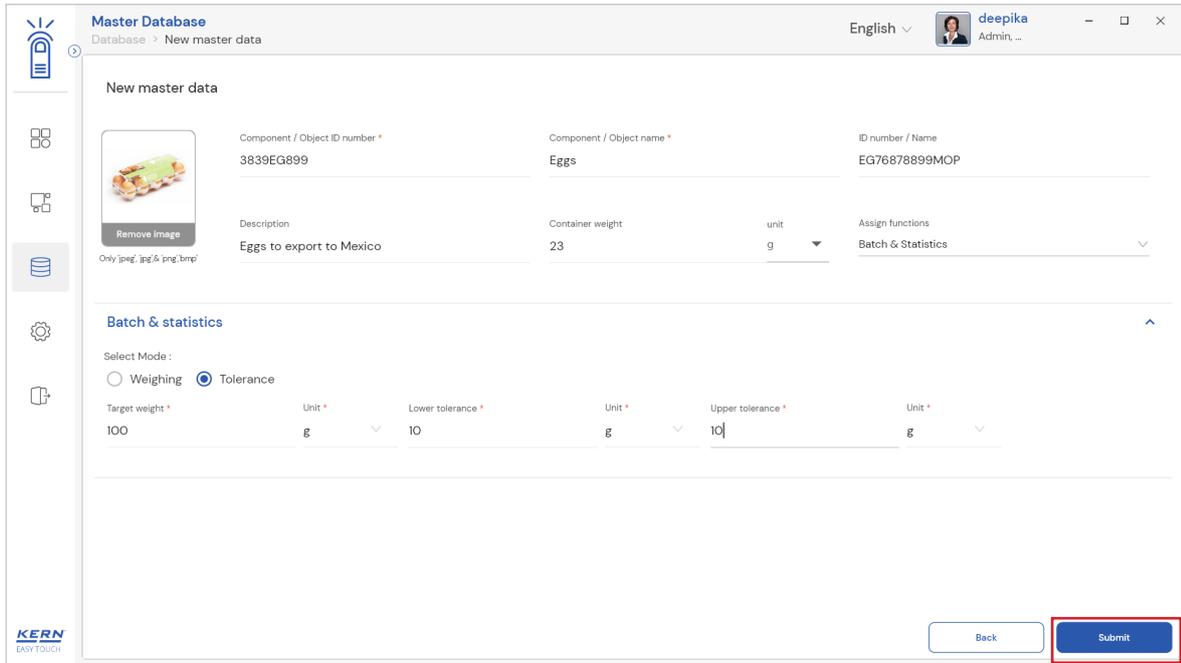
- When "batch and statistics" is selected from the drop down, the user can now choose between weighing and tolerance mode.


- By default weighing will be selected. You can switch it to the tolerance mode now you will be getting the option to enter the target weight , lower and upper limit.

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- Please enter the values for target weight, lower/upper tolerance.
- Once the properties are assigned user can click on submit and save the newly created master objects along with properties of batch and statistics function
- Once the master object is saved you can view the master object in the master object list and on clicking on a data field you reach to the overview of this data record
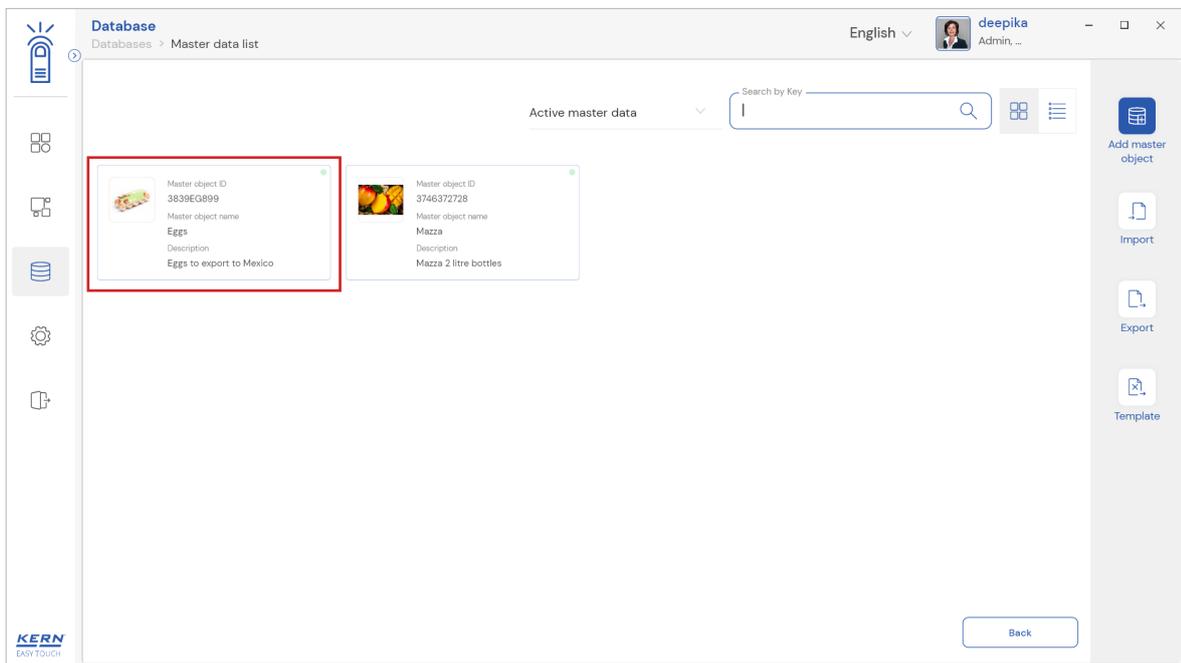

Applying the master object

- 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.
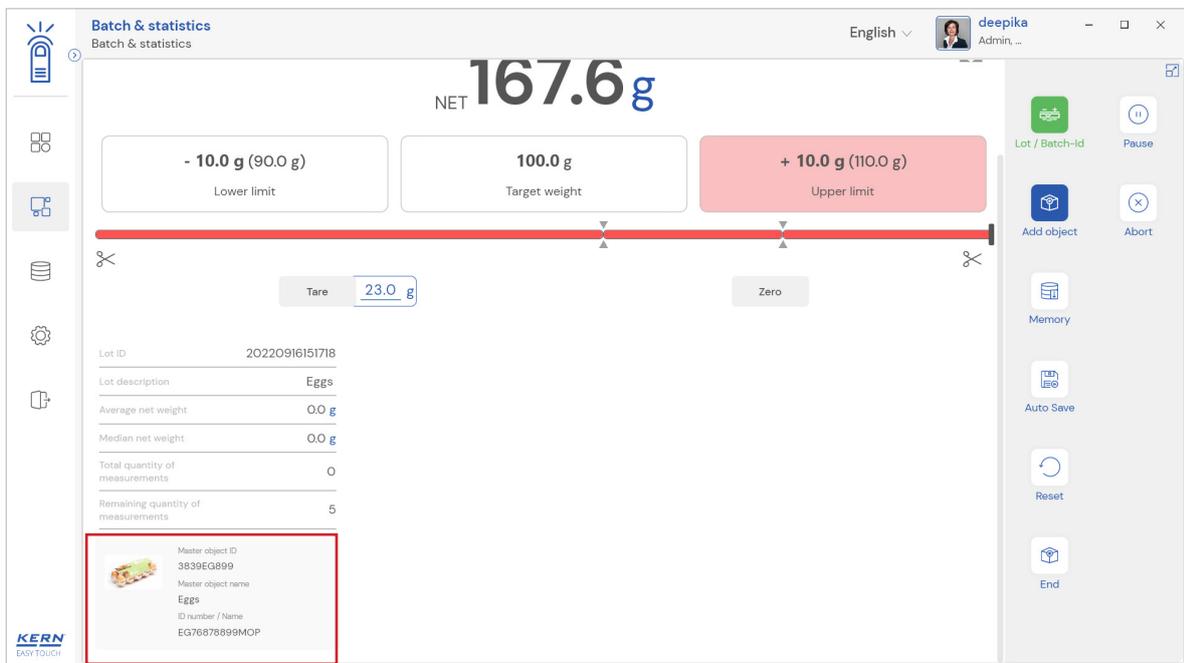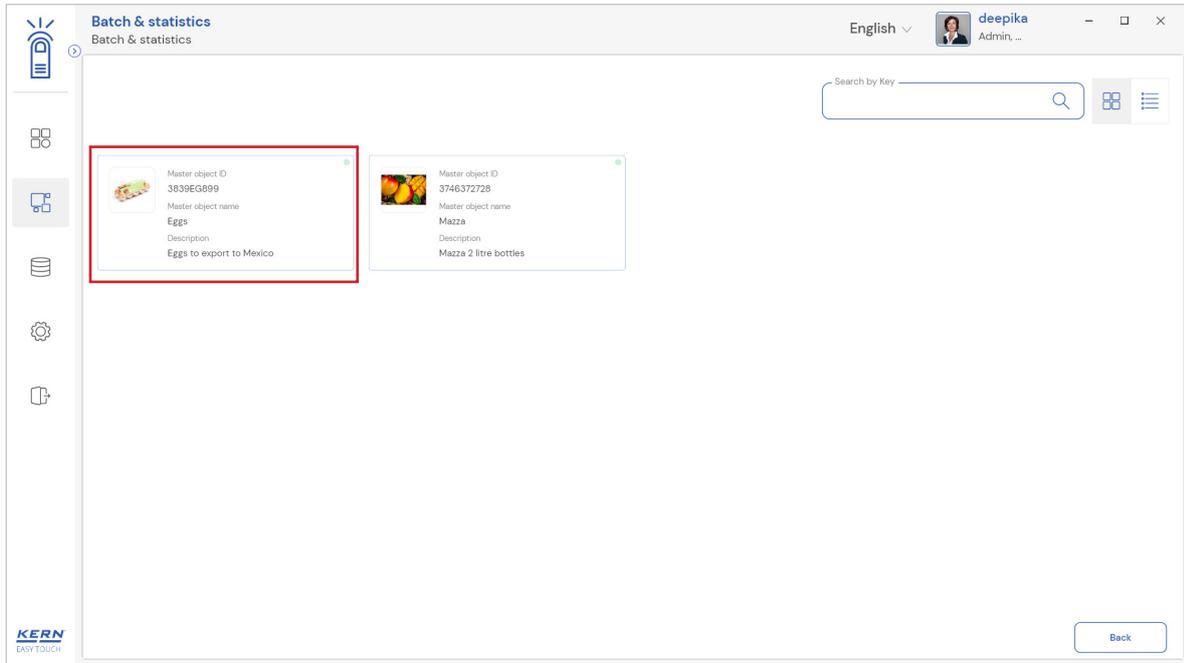
English
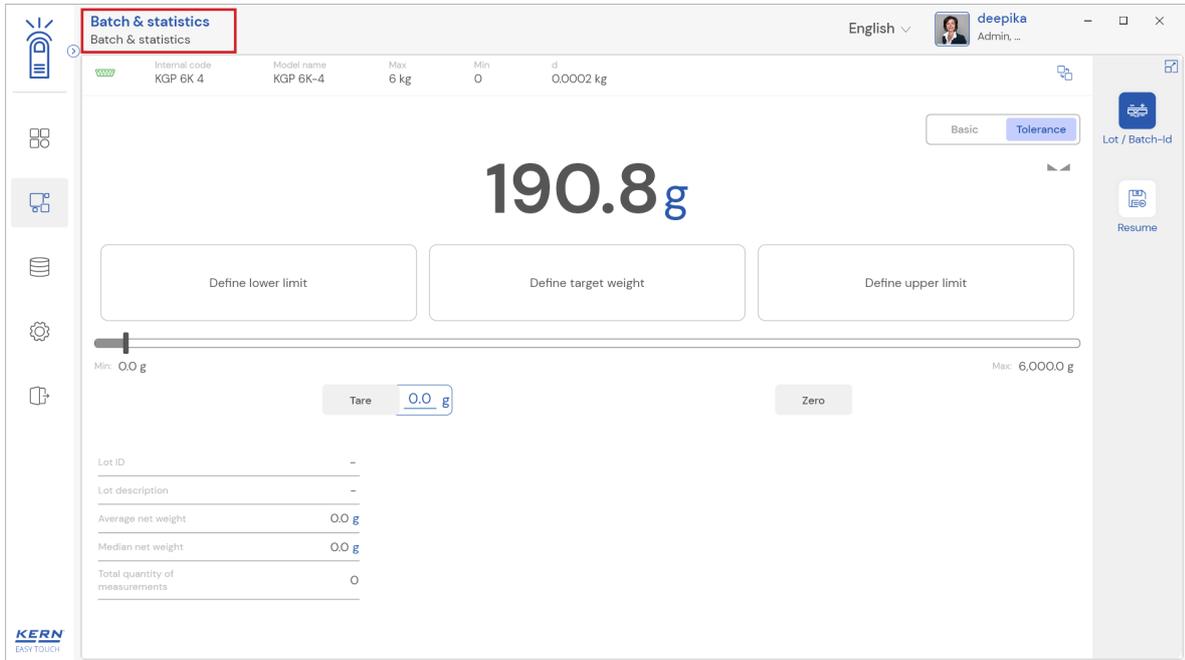
- Click on the memory and the user will be taken to the master memory to pick from the list of objects predefined. User can click on the required object to be weighed.
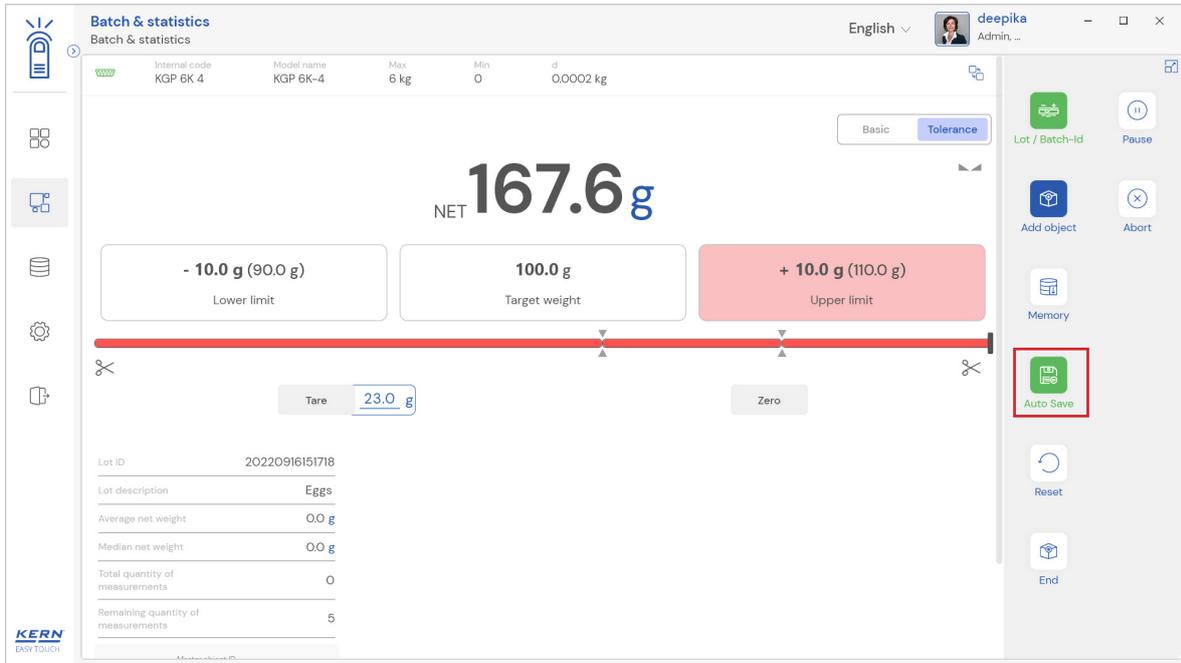- User will be provided with the search option to search the required weighing object.
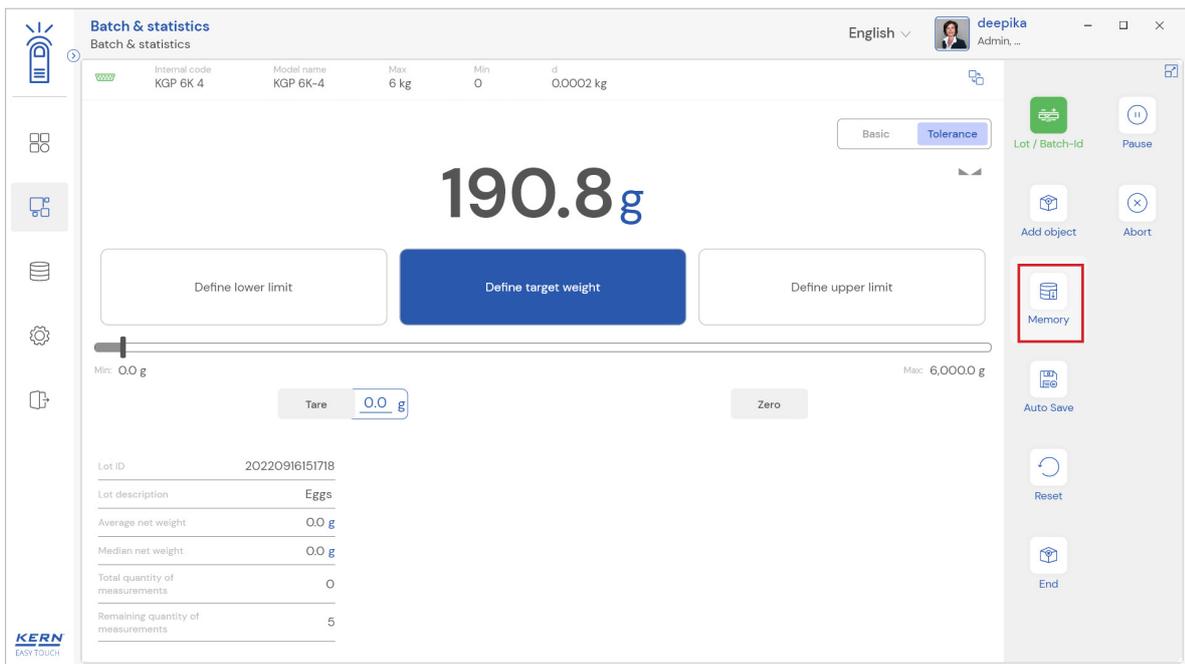
- User will be redirected to the weighing screen upon clicking the required object.
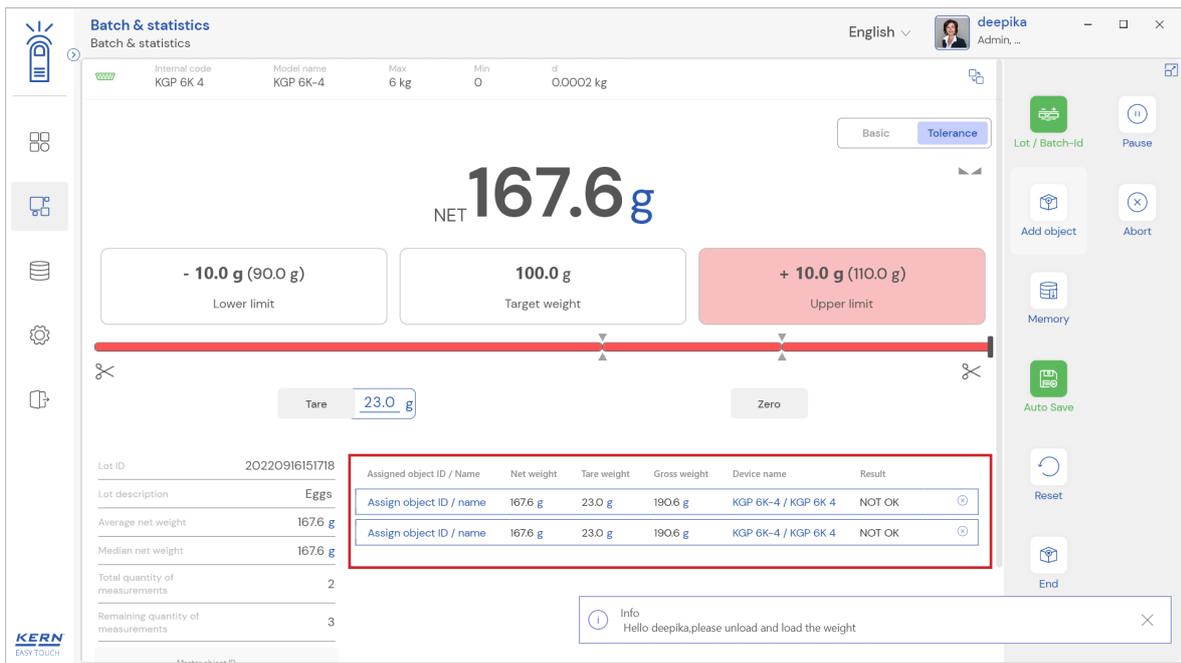
3.3.7 Auto save

- If the "Auto save" option is selected user can add the object without pressing the add object button every time.

- The user has to unload and load the weight in the weighing scale for every unload and loading event if the measured weight is within the tolerance limit and the scale is stable then the data will be saved automatically.


- Remove the first object from the weighing plate and wait till the scale reding comes to zero now again place the second object on the weighing plate, wait for the stability display.
  - Once stability icon is displayed and if the measured weight is within or without the tolerance limit then the object will be added automatically and will be displayed.

3.3.8 Reset
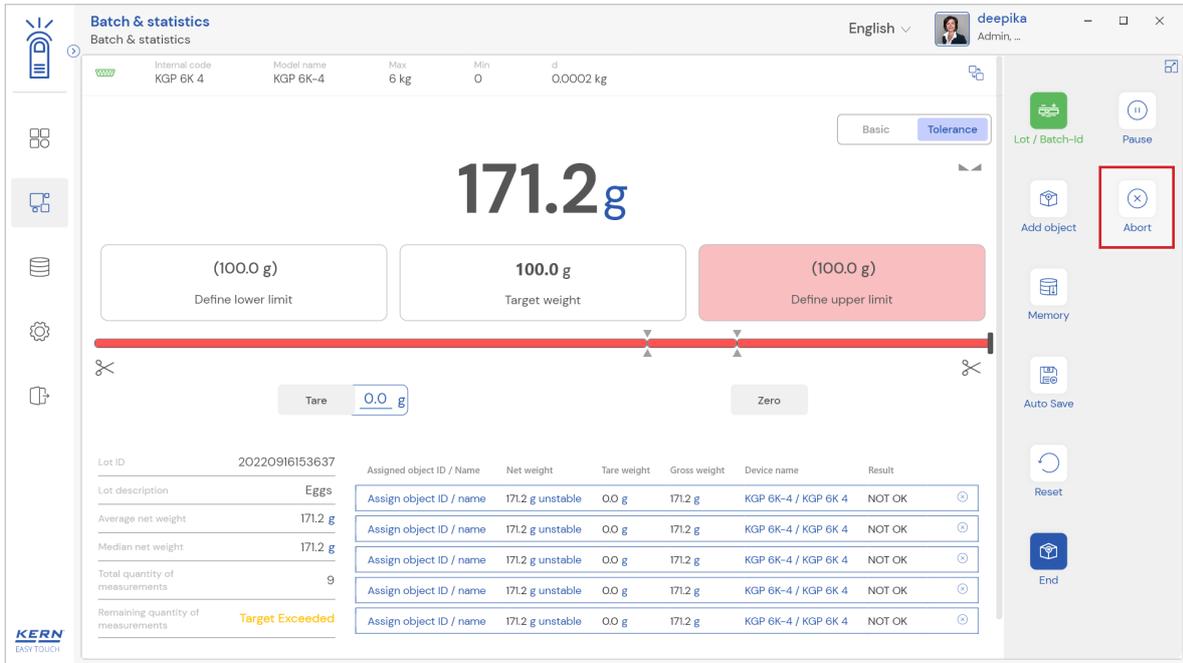The purpose of reset is to clear the stored readings.
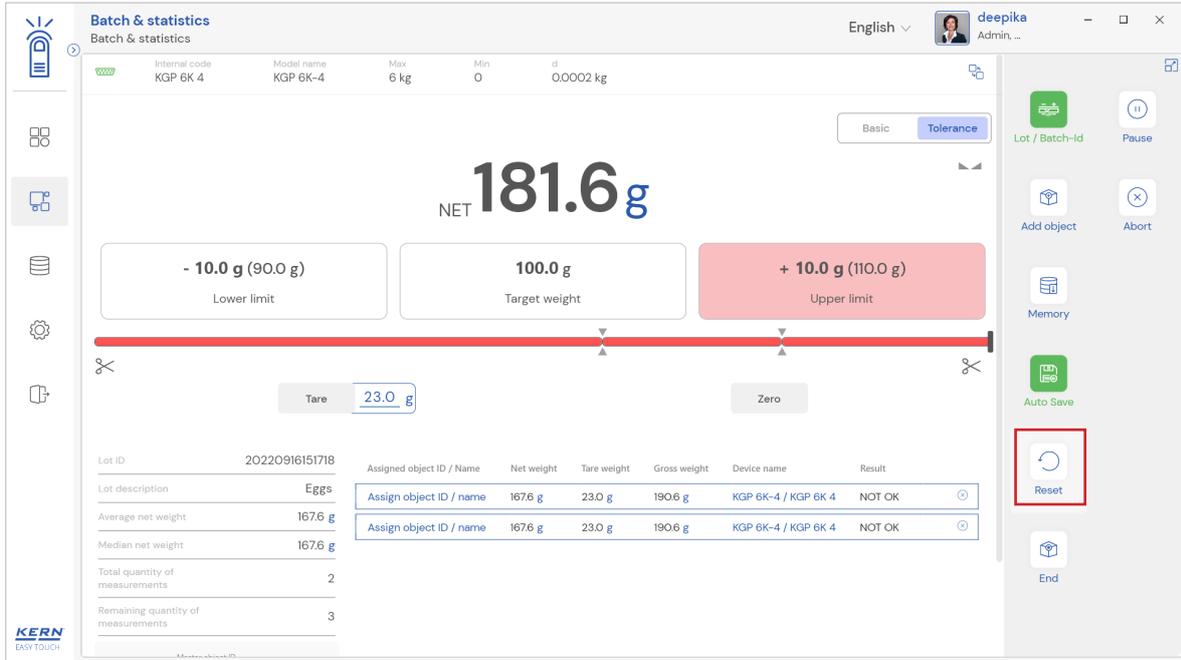
Upon clicking the reset, system will reset all the weighed data and the master data applied and will be ready to perform the new operation
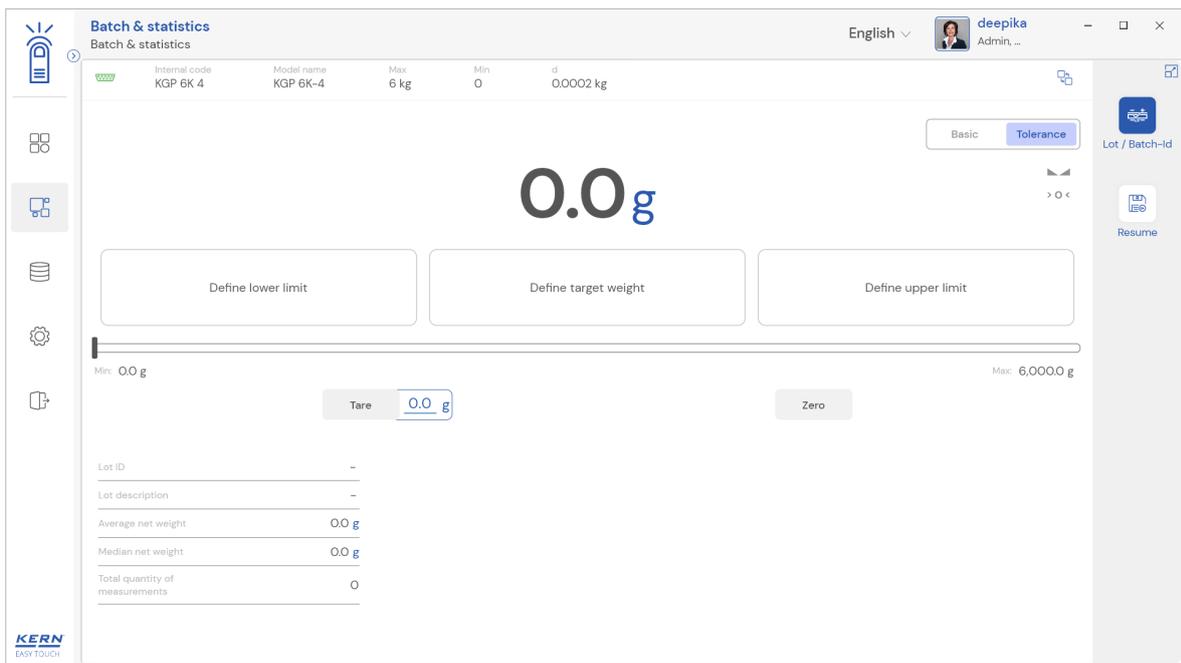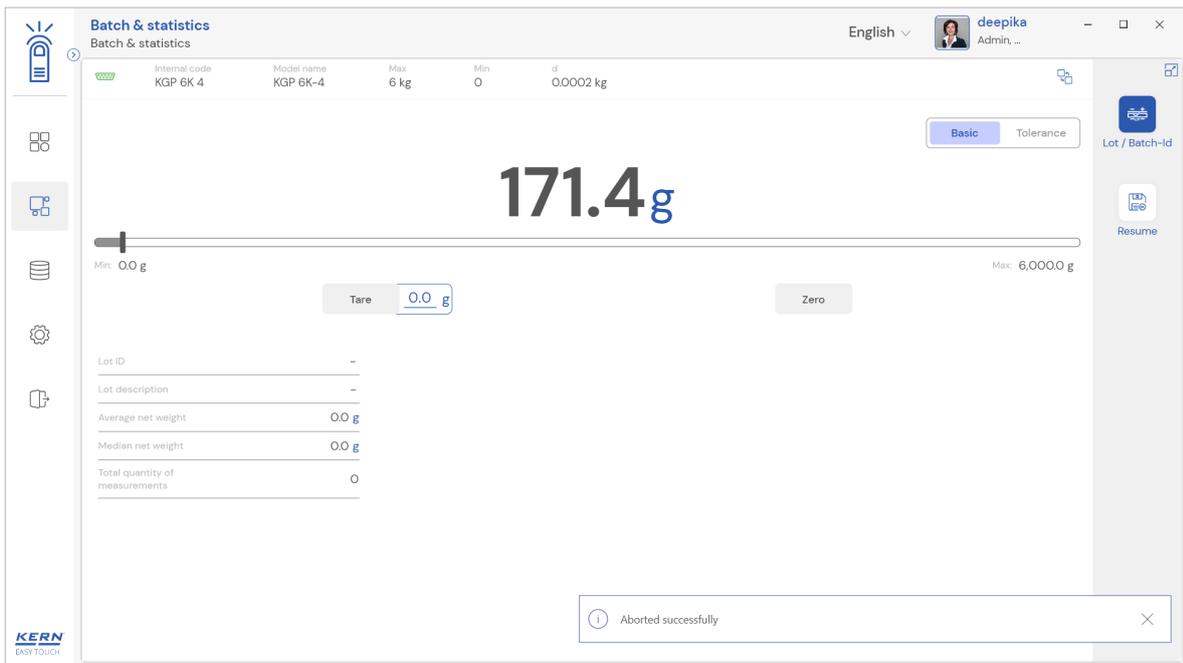

3.3.9 Abort

The purpose of the abort functionality is to end the current transaction and the performed transaction will be lost and won't be saved in dynamic database.

Upon clicking on "abort" button the current transaction will be cleared and the transaction details will be saved in the dynamic database.


All the data will be cleared and the now the user is ready to perform new transaction.

3.3.10 Pause functionality

There is possibility of pausing the batch during the weighing, within one batch, after weighing an element, to interrupt the process and to continue after a certain time at which you can use pause and resume functionality.
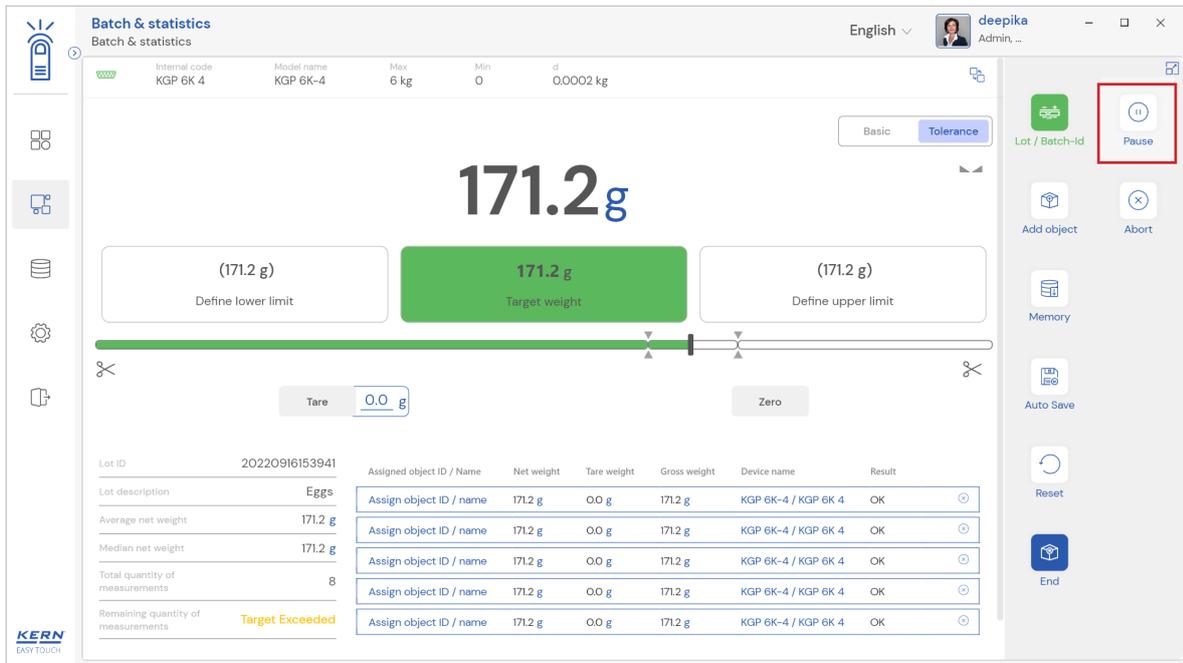
Upon clicking on the "Pause" button, the values registered up to now are stored and the values will get reset and all the entered data will be cleared.
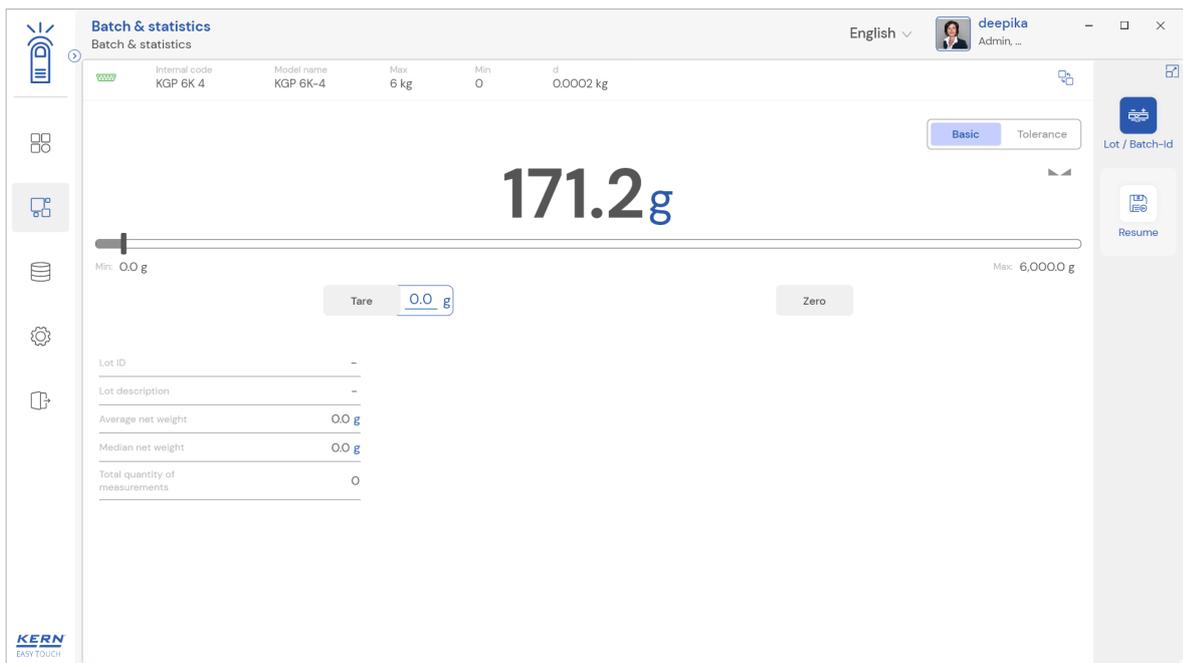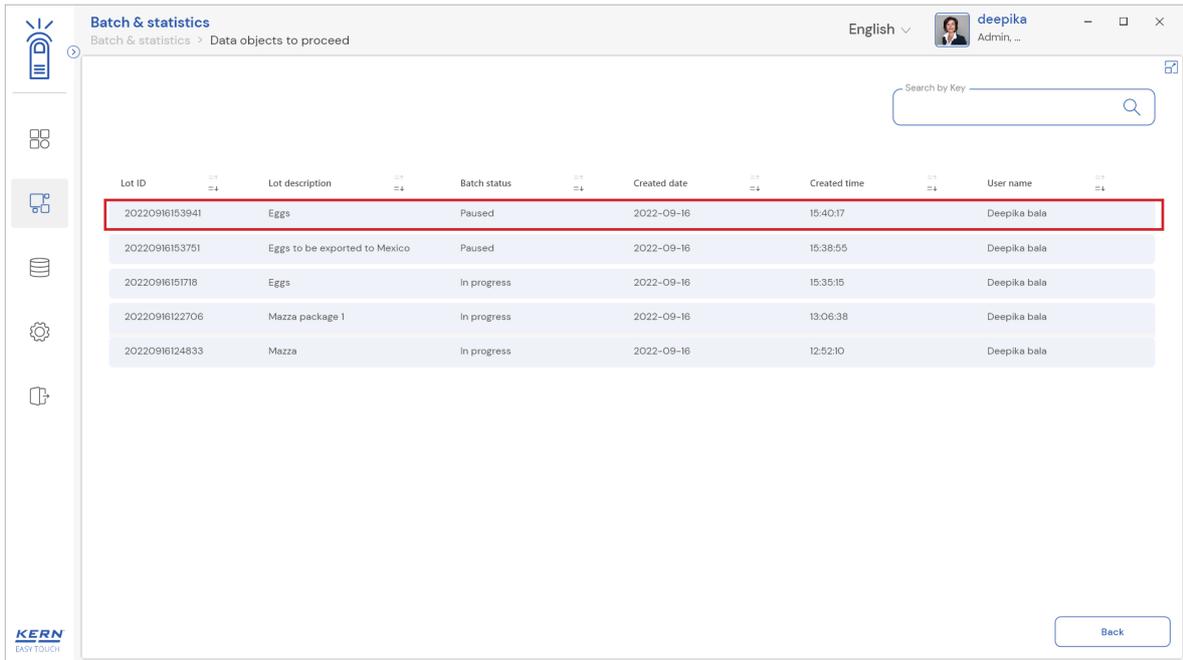

3.3.11 Resume functionality

- A resume functionality will display all the paused batch instances, and upon clicking the paused instance, the batch will be resumed and measured.
- To continue the paused weighing click the "resume" button in the function batch & statistic.
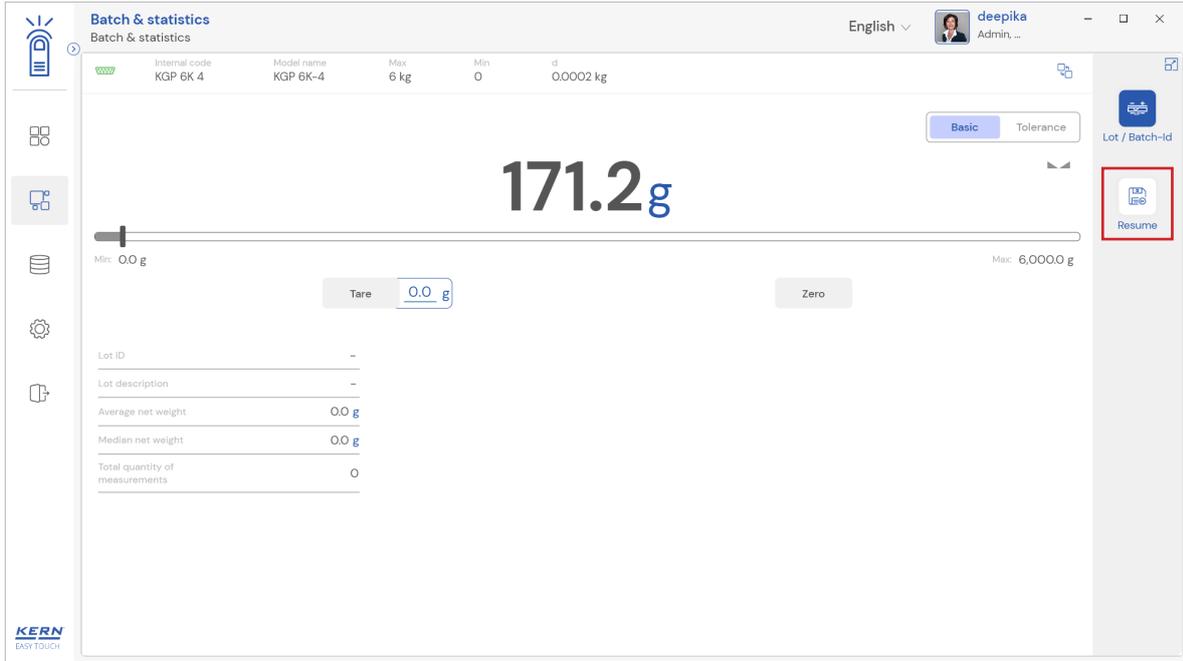
- The overview of the batches registered up to now appears. Select the required batch.

- Now click the paused batch now it displays the screen with the last measurement appears.
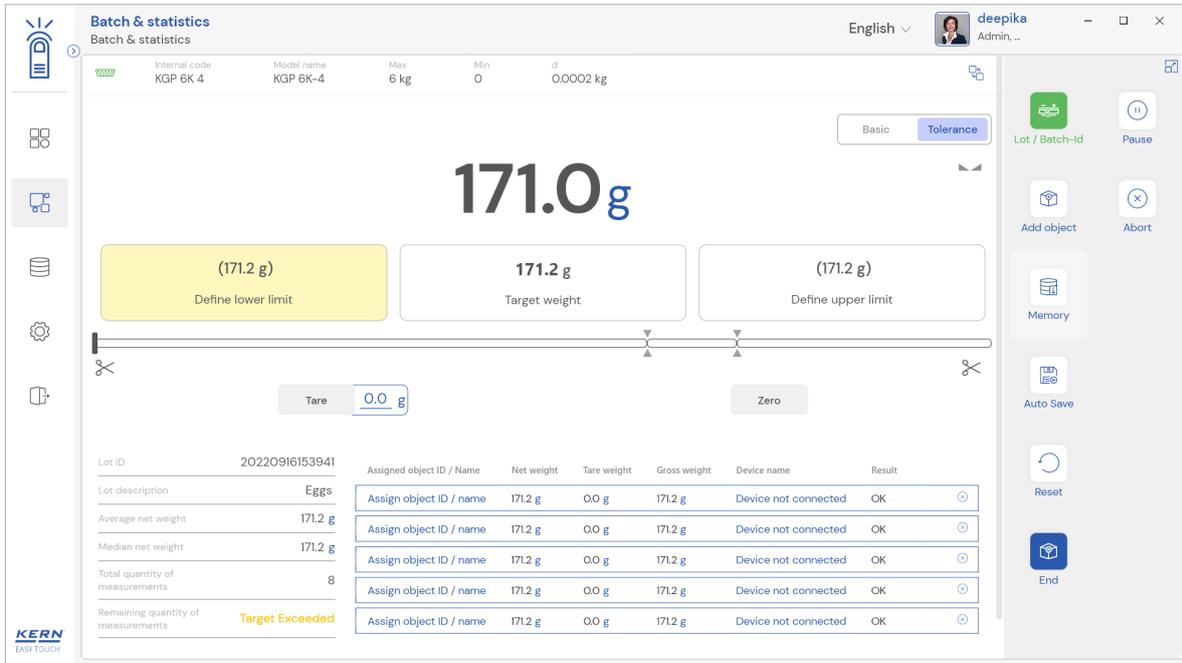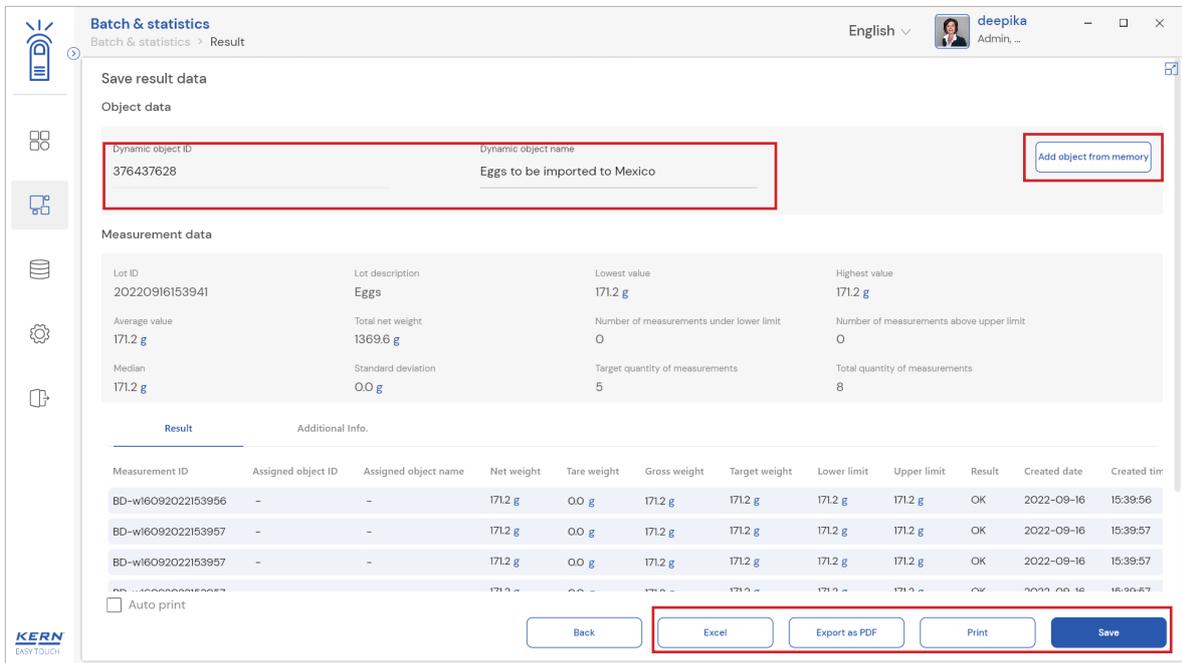
3.4 Result data

An overview of the determined data appears upon clicking on the button "end".

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

3.4.1 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.

3.4.2 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.

3.4.3 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.
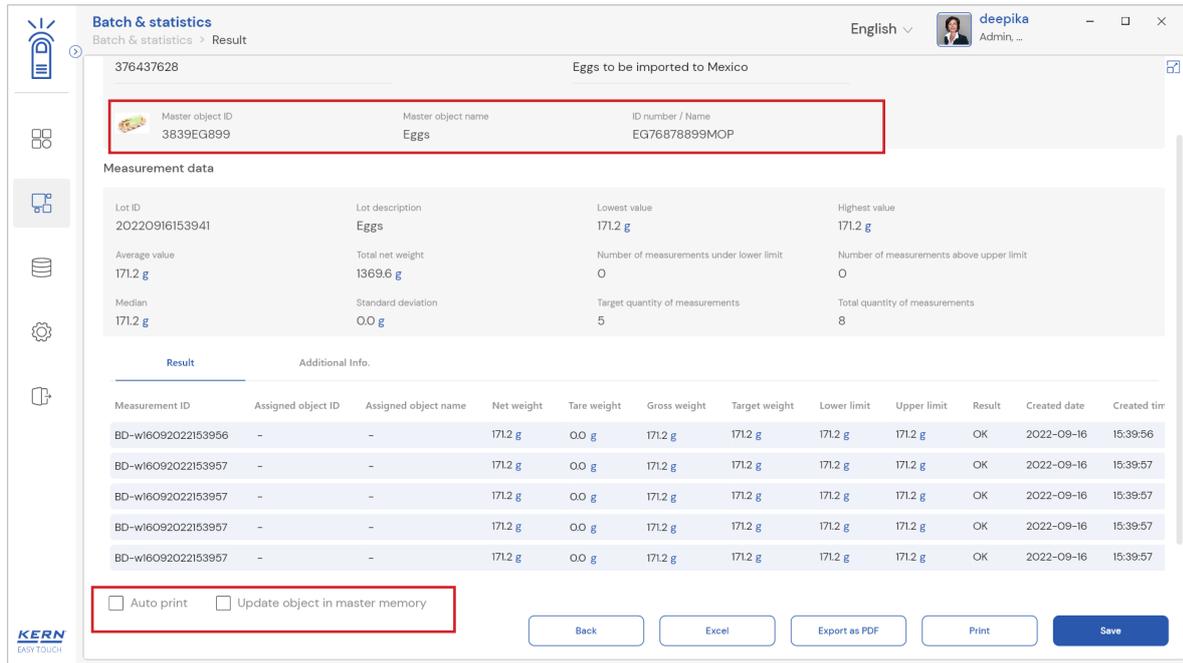
3.4.4 Update object in master memory

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 will be updated in the master memory and can be utilized for future purposes.
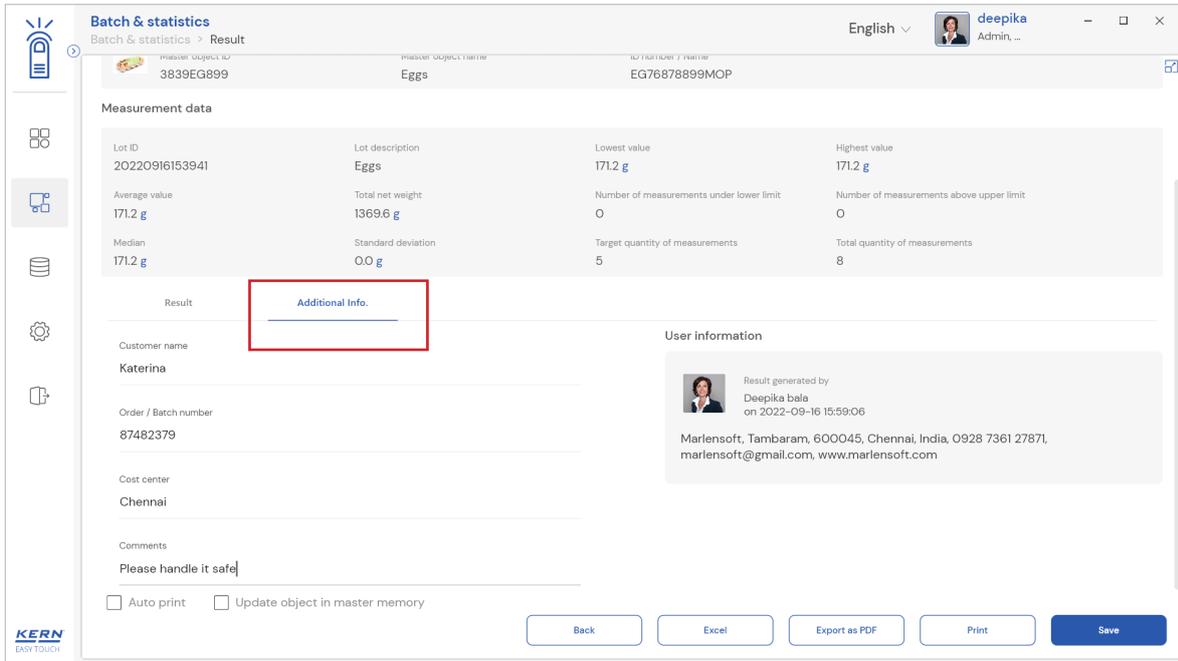
3.4.5 Auto print

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.

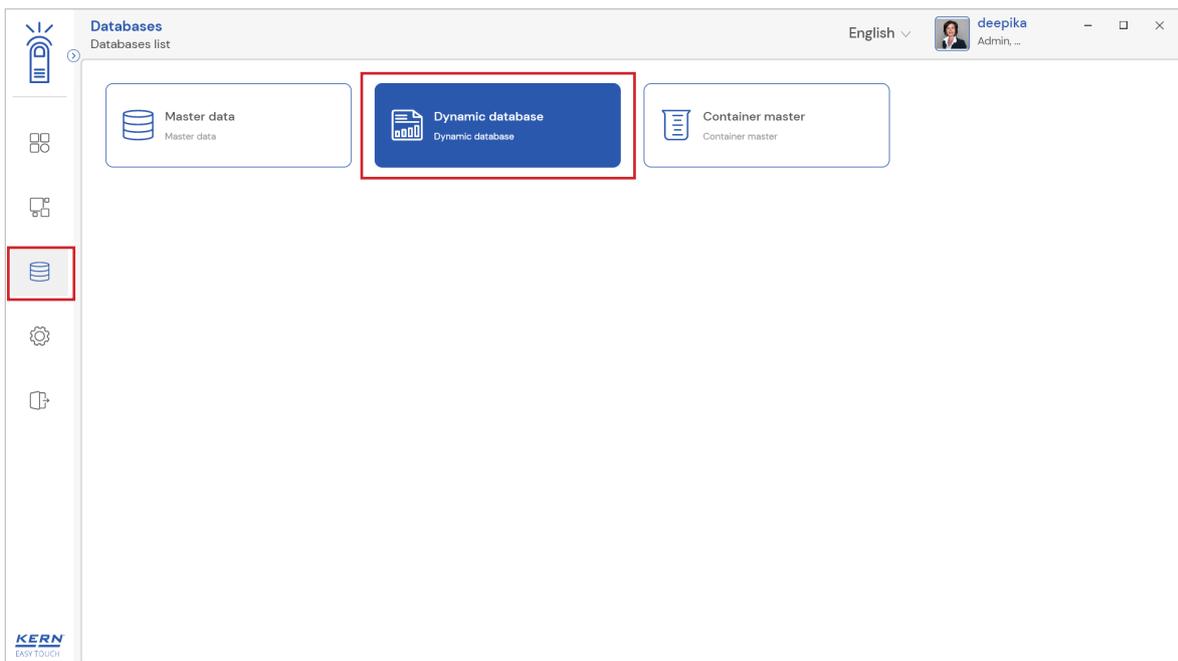Once the save button is clicked, the balance is again on weighing mode.

3.4.6 Additional data

User will have an option to enter the additional information as such the customer's name, order or batch number, cost center, comments.
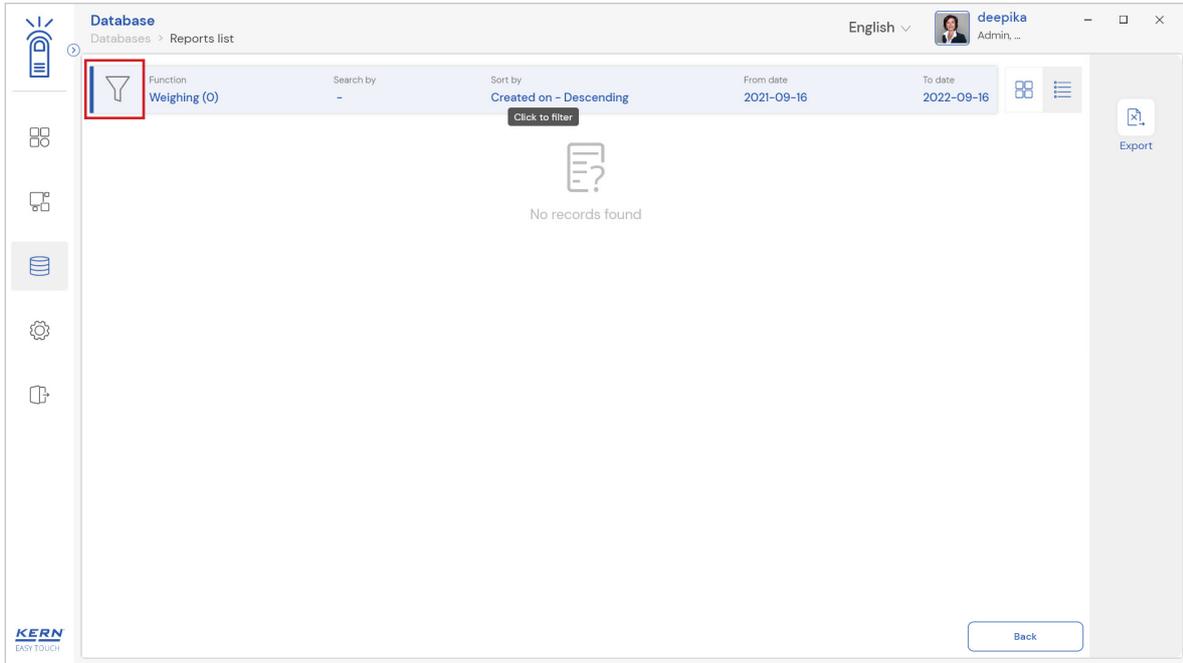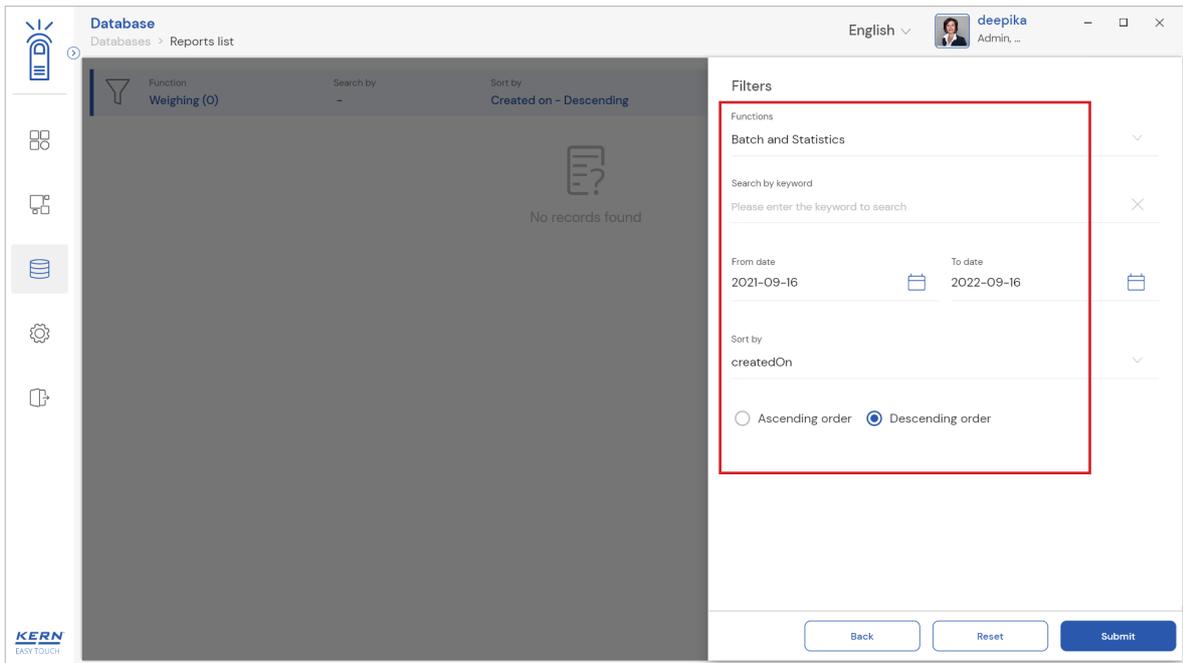
4. Dynamic data

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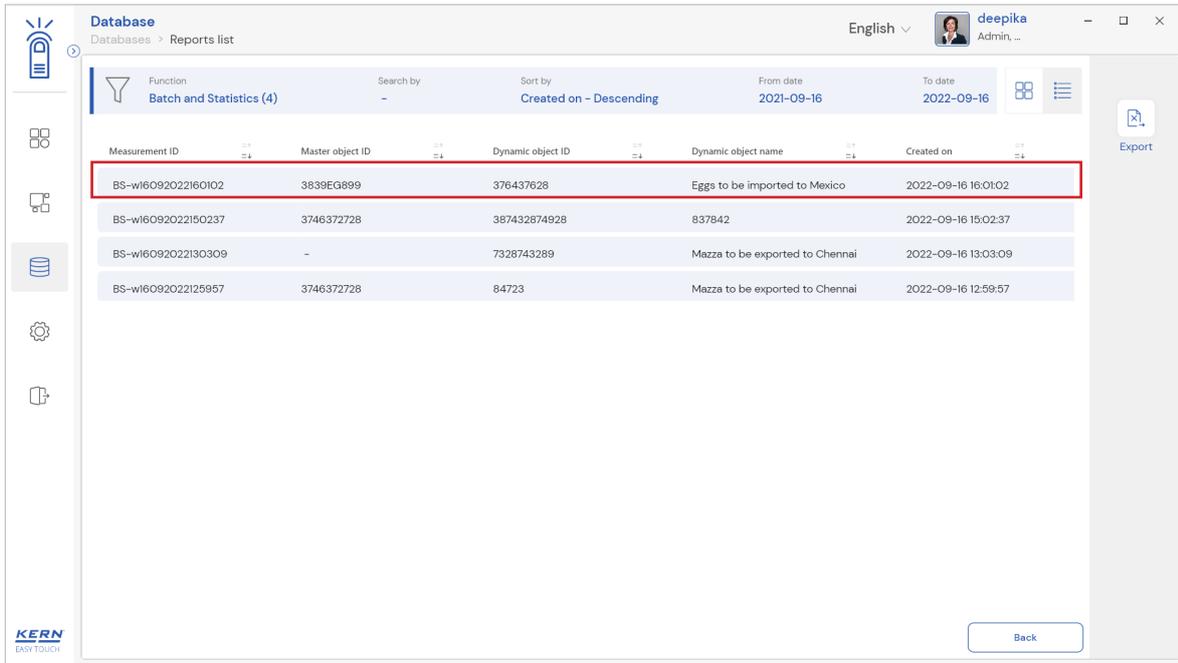

- Click on the filter and the below screen would be displayed. Kindly note, the function weighing would be displayed by default.
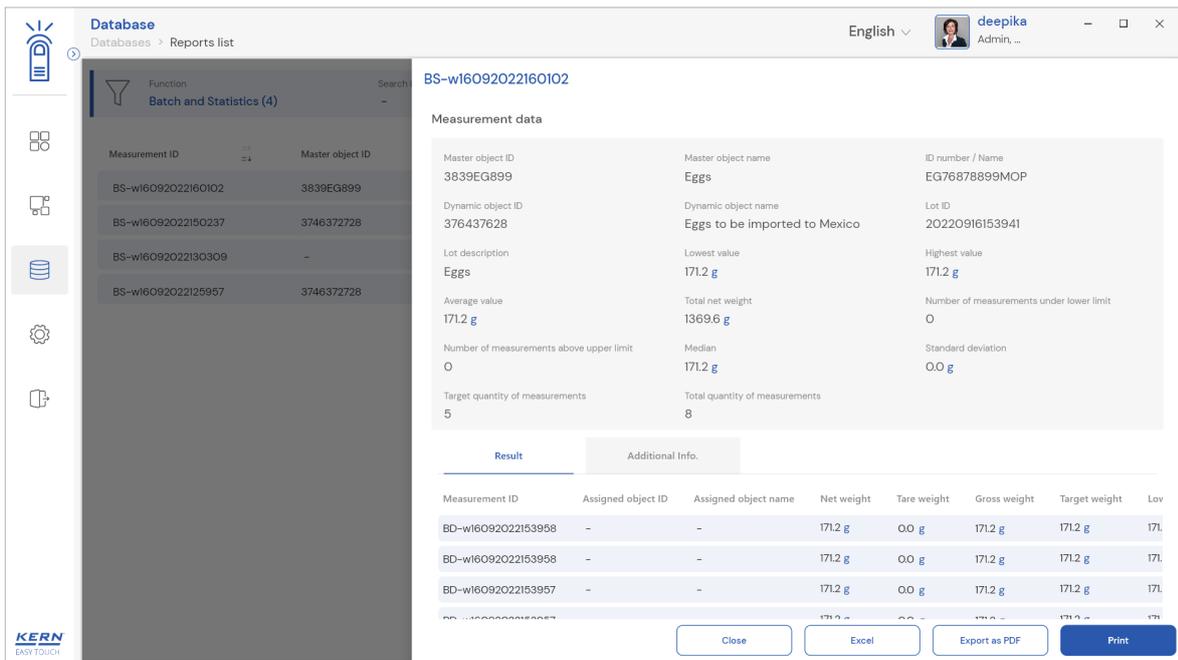
- Choose the function batch & statistics and set the desired filters

- 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 export as excel.

4.1 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)

The end

English