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# Operating instructions KERN App Take-Out - Take-Out function

## KERN SET-08

Version 1.0  
2020-09  
GB



The current version of these instructions can also be found online under:  
<https://www.kern-sohn.com/shop/de/DOWNLOADS/>  
Under the section Operating instructions

SET-08-BA-e-2010\_take-out



**KERN App Take-Out**  
Version 1.0 2020-09  
**Operating instructions**  
**SET-08**

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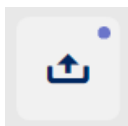
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# 1 Weighing function Take-Out – Take-out function

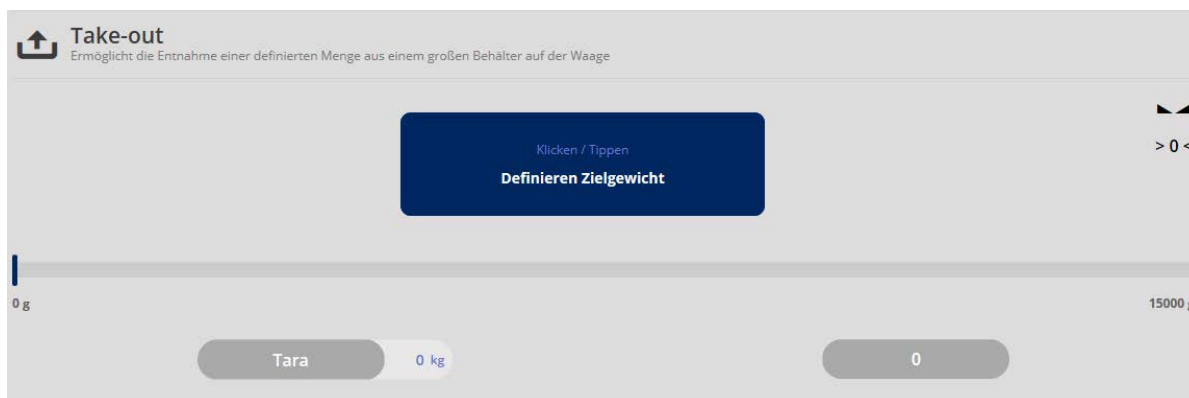
**i** The Take-out function („Weighing-out“) allows to take out previously defined portions from a source container. In that procedure the source container is placed on the balance which informs the user optically and acoustically if a portion has been removed correctly.



In the menu FUNCTIONS click button „Take out“. The screen to define the target weight, which shall be obtained by removing from the source container, appears.

## 1.1 Determine target weight

Click the blue field „Define target weight“:



The screen to define the target weight appears:  
Either define the target weight by weighing or by manual input.

**Here in this example by manual input:**

Enter target weight and target tolerance or define the weight on the weighing plate as target weight with button „Apply weight“:

Definieren Zielgewicht

Zähl-Menge von Waage verwenden

0,5 kg

**Gewicht anwenden**

Oder

Zielgewicht eingeben einer Entnahme-Portion an\* Einheit

Bitte geben Sie das Zielgewicht ein (kg)

Zieltoleranz( In ± % )\*

5

Click the blue button „Apply weight“, then click the button CONFIRM, shortly after that a display informs that the data have been registered correctly.

## 1.2 Define source weight

Now the source weight is entered. Press the blue button „Defining source weight“.

Herausnehmen

Ermöglicht die Entnahme einer definierten Menge aus einem großen Behälter auf der Waage

Klicken / Tippen Sie hier, um  
**Definieren Quellgewicht**

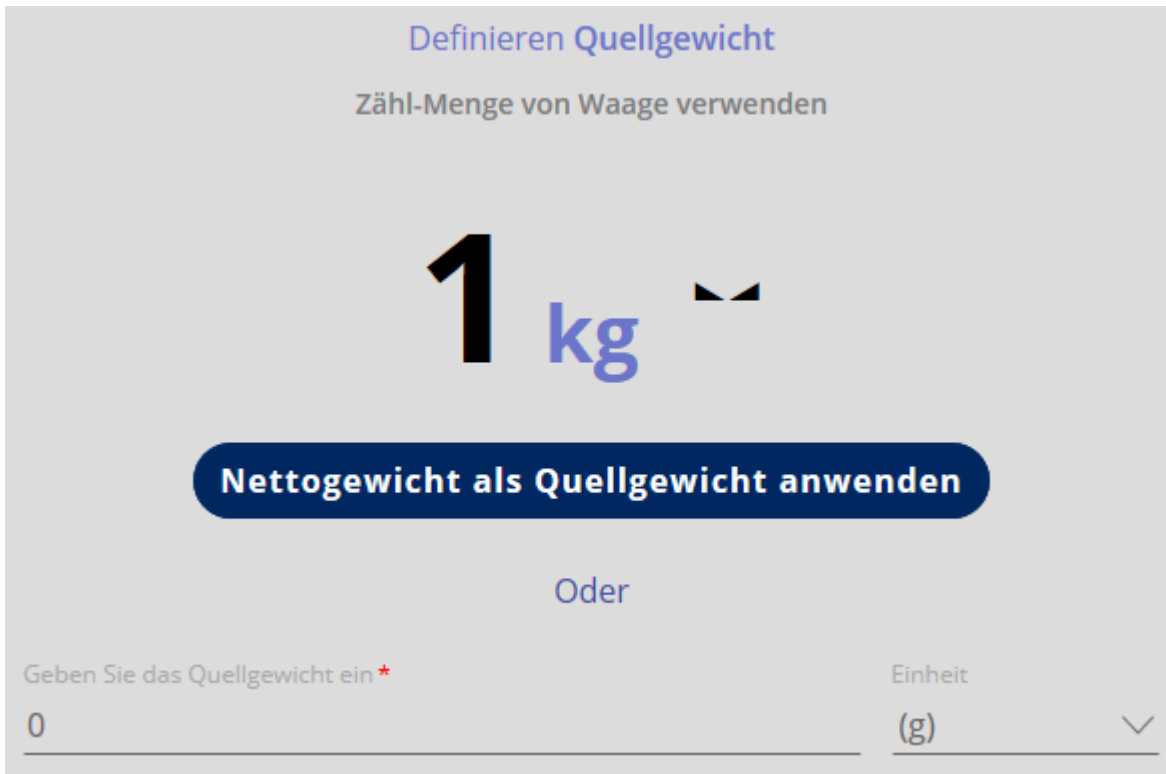
TARA 100,0 g

0

Zielgewicht 2.000,0 g Behältergewicht 100,0 g

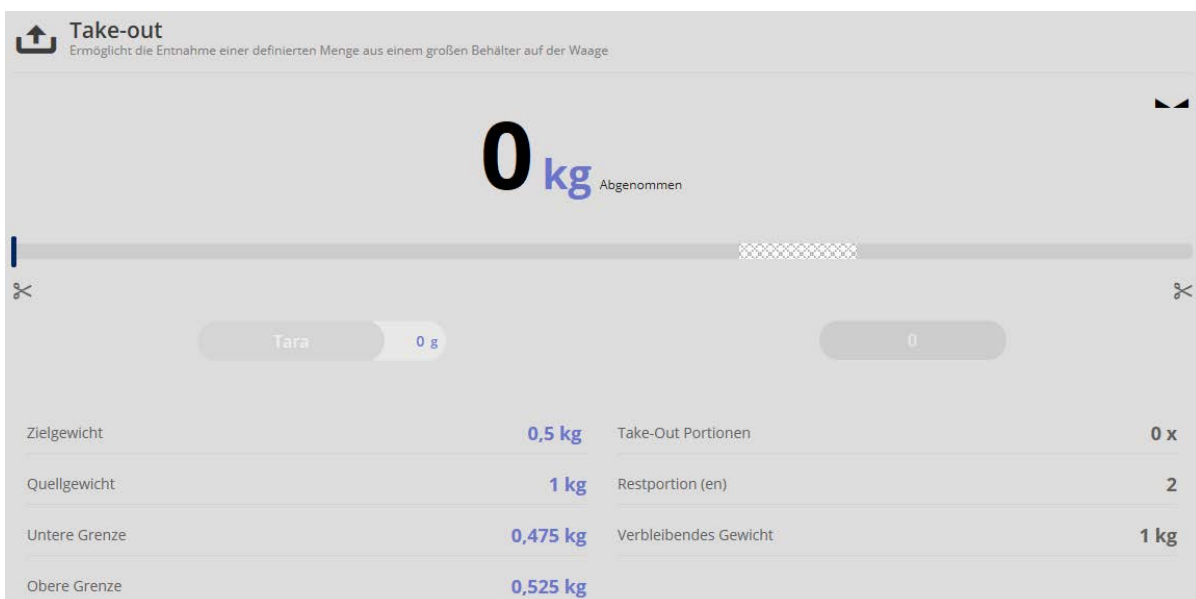
Register the source weight by weighing or by manual input:

Here is an example:



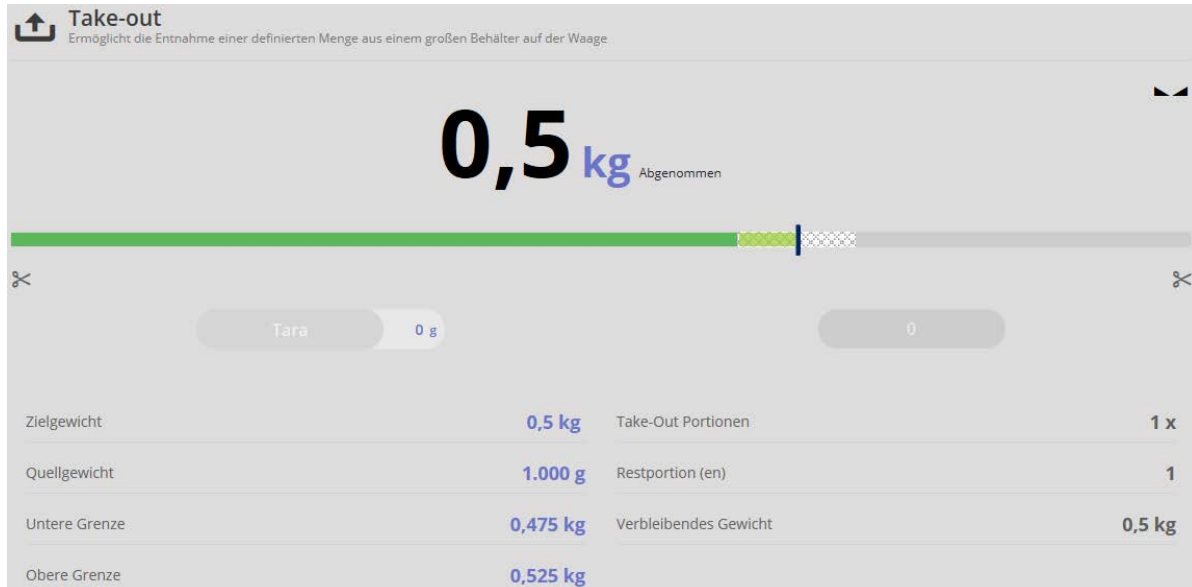
Click the blue button „Apply net weight as source weight“, then click CONFIRM:

Now you can start to take out from the source container. The display stands on „0“, the removed weight will be displayed.



Take out samples with care until the bar graph is displayed green, then the removed weight remains inside the defined tolerance:

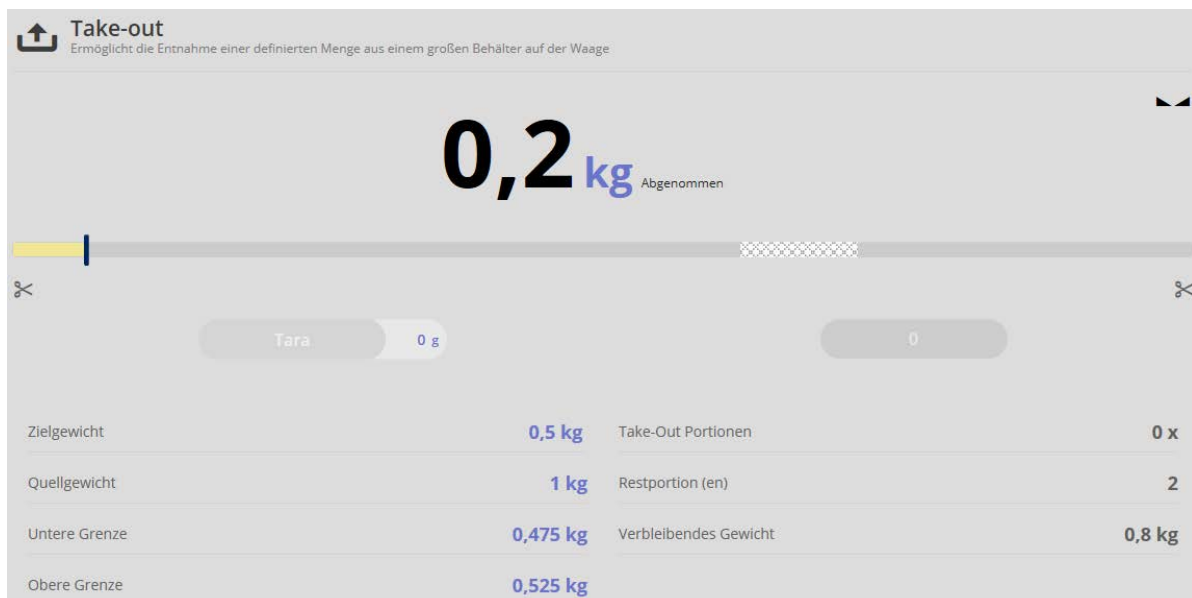
Here is an example:



Moreover an acoustic signal sounds when the target weight is reached.

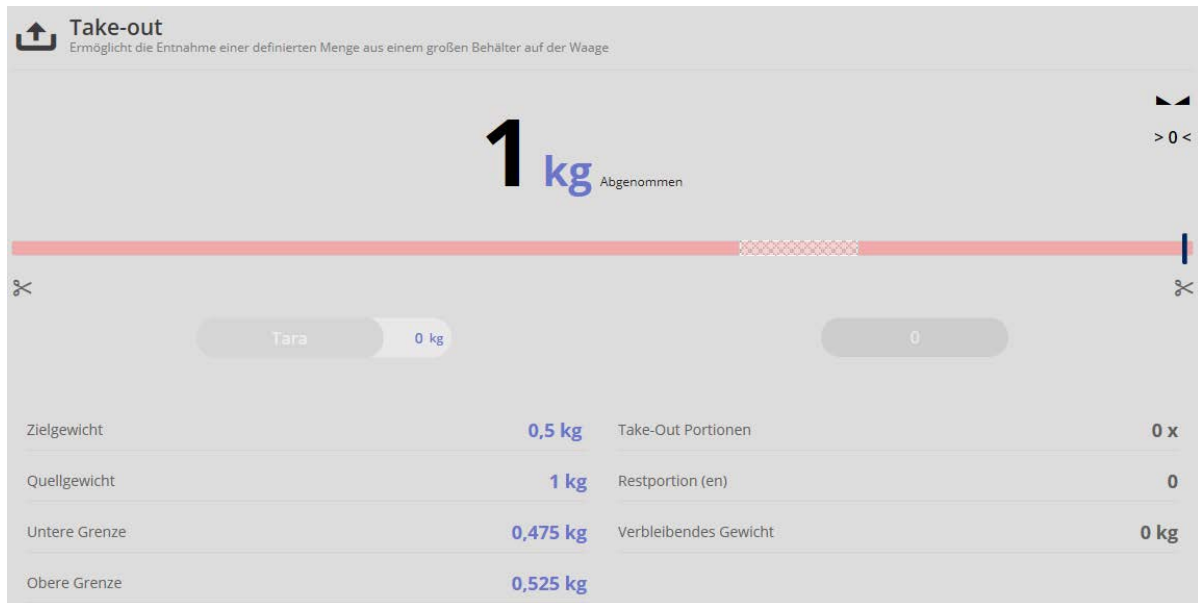
If the removed weight is below the tolerance limit, the bar graph is displayed yellow:

Here is an example:





If the removed weight is above the tolerance limit, the bar graph is displayed red:

Here is an example:



### 1.3 Create Quick-Keys



Using the buttons  to , Take-Out objects (with target weight) can be created which can be quickly called-up when needed. For this proceed as follows:

Click the desired Quick-Key button and define the target weight as described above. Below left click the field „Allocate to QuickKey“ in a way that a hook appears in the field.

Also assign to this weighing an object-ID where these data are stored.

**Here is an example:**

Definieren Zielgewicht

Zähl-Menge von Waage verwenden

2 kg

**Gewicht anwenden**

Oder

Objekt Identifikation \*  
TakeOut01

Objektname  
Bitte geben Sie den Objektnamen ein

Zielgewicht eingeben einer Entnahme-Portion an \*  
Bitte geben Sie das Zielgewicht ein

Einheit  
(g)

Zieltoleranz( In ± % ) \*  
5

Zuordnen zu QuickKey #1



Click „Apply weight“, then click „Confirm“.

The target weight is now stored in this Quick Key. Now the source weight can be defined and weighing can be started.

The Quick-Key allocated to this weighing is now displayed green in the menu



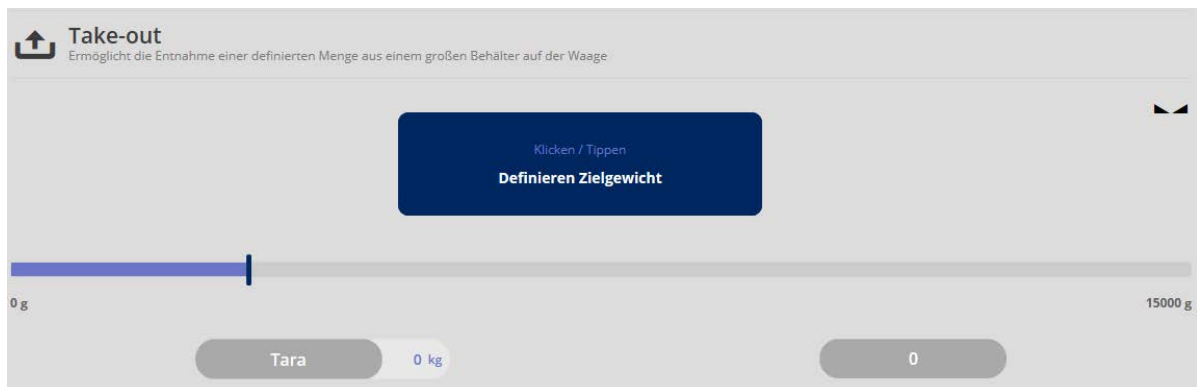
If a target weight has been stored in a Quick-Key, it will appear then yellow in the





#### 1.4 Call-up Quick-Keys



In the menu FUNCTIONS click button „Take out“. The screen to define the target weight, which shall be obtained by removing from the source container, appears.

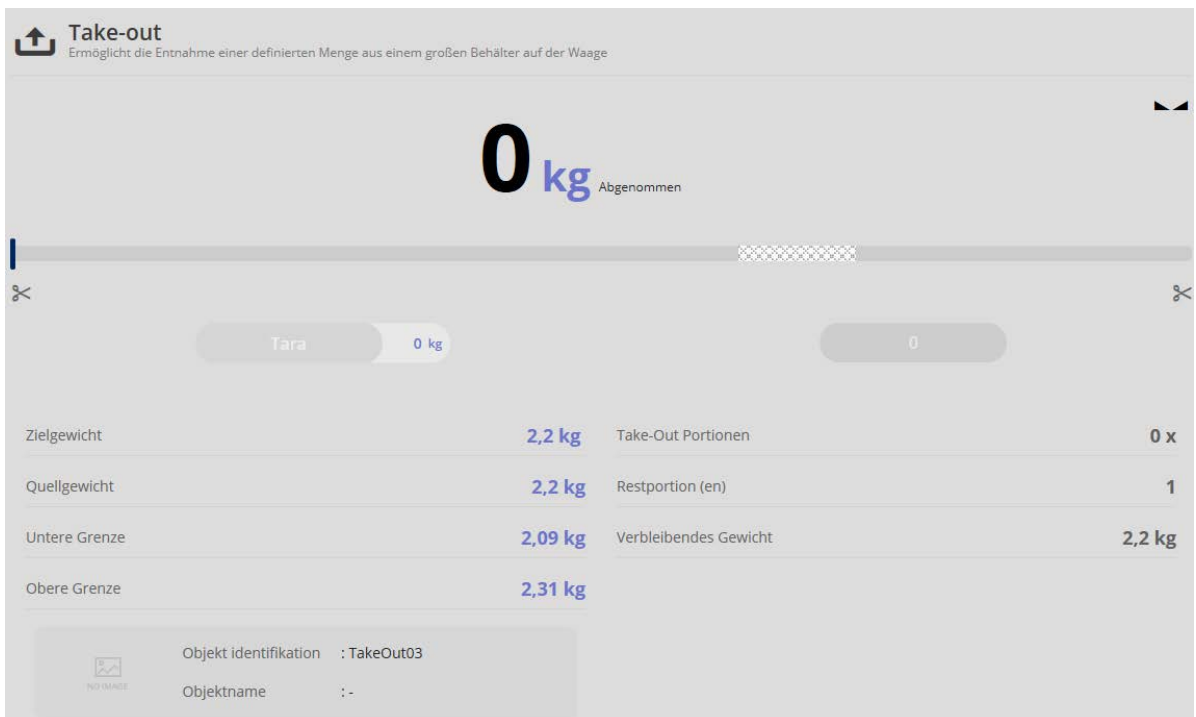


Click the button between  and , where the desired weight values (source weight and target weight) are stored. The target weight will appear on the display:



Now define the source weight, the balance is in weighing mode. All entered and determined data are displayed:

**Here is an example:**



## 1.5 Take-Out in pieces

You can switch-over between the modi Take-Out as per weight and Take-Out in pieces. In the piece mode a reference weight is defined (by weighing, calculation or manual input), which corresponds to a certain number of parts. The weight values are then converted into piece-quantity values.

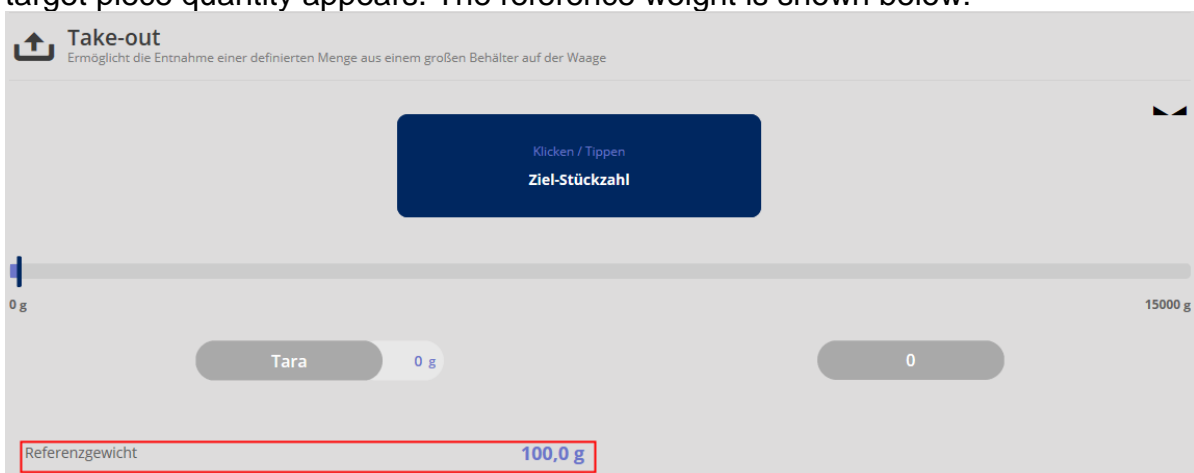


In the menu click the button „Piece counting mode“. The screen to define the reference weight appears. Define the reference weight either by weighing or by entering and enter the piece quantity which corresponds to this weight:

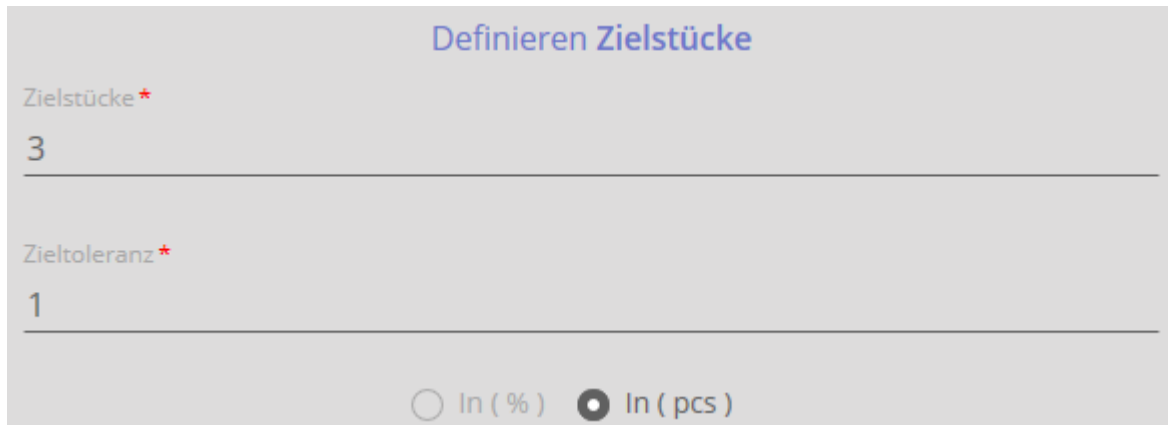
**Here is an example:**



Click button „Apply weight“, and then click „Confirm“. The screen for entering the target piece quantity appears. The reference weight is shown below:



Click the blue field „Target piece quantity“. Enter now the target piece quantity (=piece quantity of the removed parts) and enter the target tolerance:  
**Here is an example:**



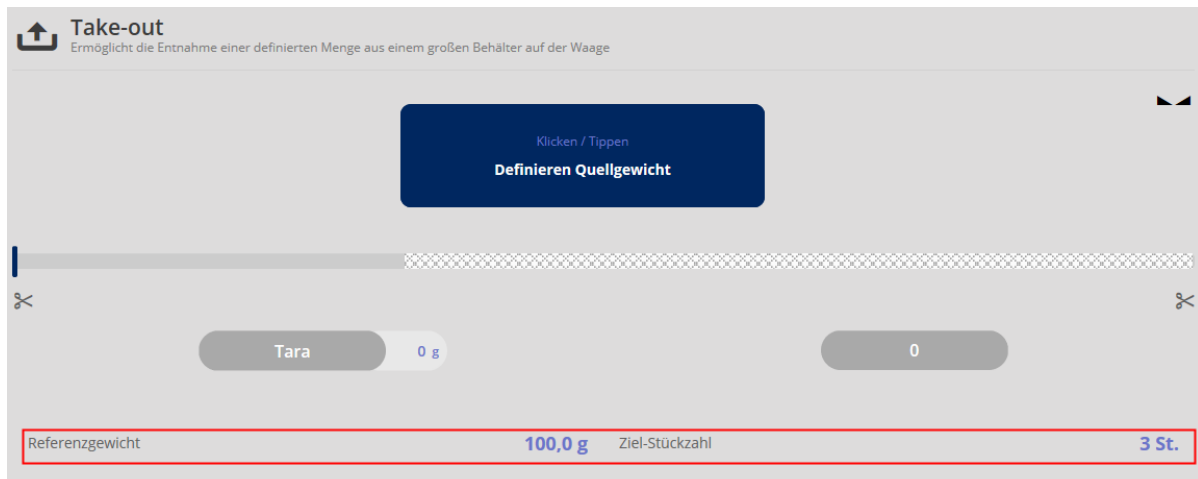
**Definieren Zielstücke**

Zielstücke \*  
3

Zieltoleranz \*  
1

In ( % )    In ( pcs )

and click „Confirm“.  
Now the screen to enter the source weight appears. Reference weight and target piece quantity are shown below:



**Take-out**  
Ermöglicht die Entnahme einer definierten Menge aus einem großen Behälter auf der Waage

Klicken / Tippen  
**Definieren Quellgewicht**

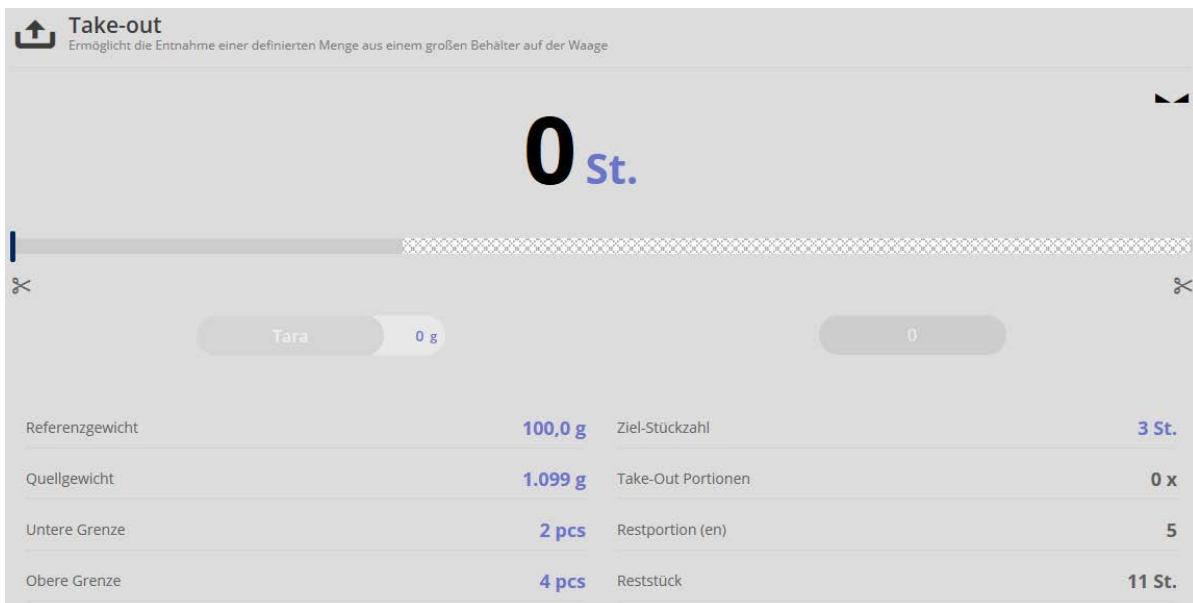
Tara   0 g   0

Referenzgewicht   **100,0 g**   Ziel-Stückzahl   **3 St.**

Click the blue field „Define source weight“. Now register the source weight either by weighing or by input:  
**Here is an example:**



and click on „Apply net weight as source weight“. Now all required values are registered and take-out can begin. The balance is in weighing mode and all registered values are displayed. „0“ pieces appear, because the quantity of the removed pieces is displayed.

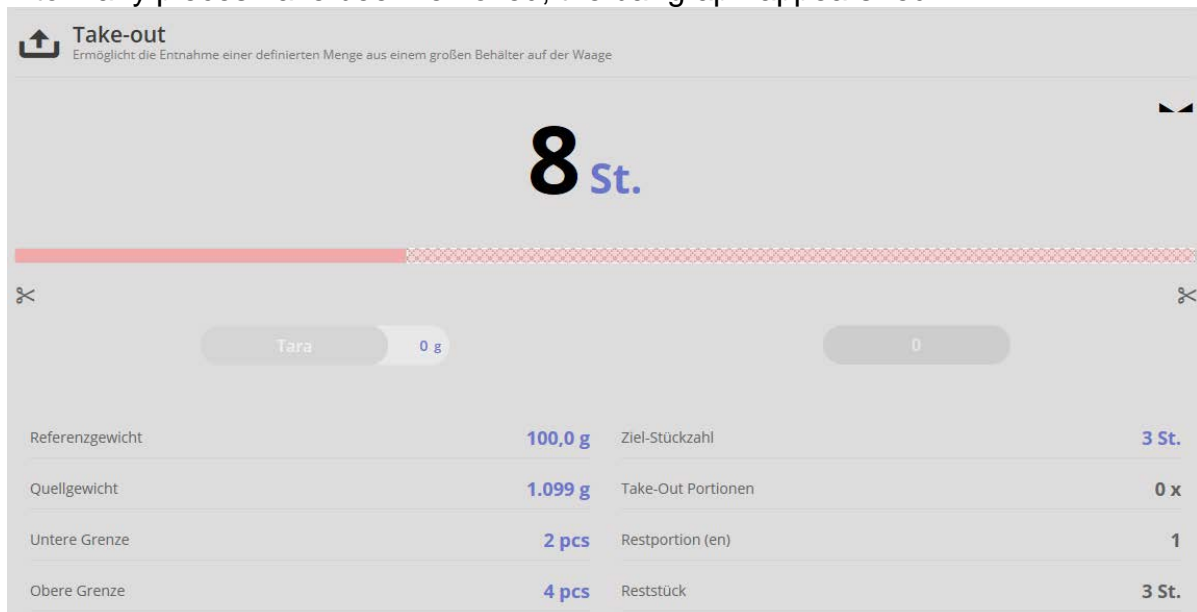


Now remove the pieces until the target weight is reached. The green bar graph shows this, also an acoustic signal sounds when the target weight is reached.

If an insufficient quantity has been taken out, the bar graph appears yellow:



If too many pieces have been removed, the bar graph appears red:



## 1.6 Save the result data



To save the weighing result, press button  :  
Under the menu item „Component data“ enter the ID and the name. The result can be saved as master data object and printed out.

### Ergebnis - Take-out

Ergebnisdaten speichern

**Komponentendaten** Diagramm · Zusätzliche Informationen & Optionale Funktion


Master-Objekt-ID Bitte geben Sie die Objekt-ID ein	Master-Objektname Bitte geben Sie den Objektnamen ein
Dynamische Objekt-ID Bitte geben Sie die dynamische Objekt-ID ein	Dynamischer Objektname Bitte geben Sie den dynamischen Objektnamen ein

Referenzgewicht 0,1 kg / Stück	Start Nettogewicht 4,999 kg
Endgewicht 2 kg	Take-Out Portionen - Portionen
Durchschnittlicher Verlust - kg / Portion	Durchschnittliche Entnahmewert - St. / Portion
Untere Tol 1995 St.	Obere Tol 2005 St.

Take-Out Portionen	Entnahmemenge je Portion
Σ	0 St.

Verwendetes Gerät KGP 10K-4	Ergebnis generiert durch Peter Maier auf 2020-10-07   10:09:20
Seriennummer WD 190021353	-
Interner Code YKV-01	Telefon: -
Letzte Justierung -	Email: -
Temperatur 21 C	Webseite: -

Wählen Objekt als Stammdatium speichern



To save as master data object click field and the blue righthand button.

Under the menu item „Diagram“ the measured values can be displayed as a diagram:



Under the menu item „Additional information & Optional function“, this master data record can be provided with customer name, cost center etc..