




Self-service scales 1222 and Labelling scale 1422


Instructions for use

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SAFETY INSTRUCTIONS

	WARNING
	DISCONNECT THIS APPLIANCE FROM THE POWER SUPPLY BEFORE INSTALLATION, CLEANING OR MAINTENANCE. FAILURE TO DO SO MAY RESULT IN PHYSICAL INJURY OR DAMAGE TO THE APPLIANCE.

	CAUTION
	<ul style="list-style-type: none">• Only allow qualified persons to service the appliance• Switch off the device before connecting or disconnecting components.• Failure to observe these precautions will result in damage to or destruction of the appliance.

SAFETY INSTRUCTIONS

	SAFETY INSTRUCTIONS
	<p>The scale is an electronic precision instrument, handle it with care.</p>
	<p>1) The appliance may only be operated by persons who have been trained in the operation of this appliance.</p>
	<p>2) The operating personnel must read and understand the safety instructions in these operating instructions.</p>
	<p>3) To avoid accidents, the appliance may only be opened by qualified service personnel!</p>
	<p>4) Check whether the local voltage and socket type are suitable for the scale.</p>
	<p>5) Only use the original adapter, others could damage the scales.</p>
	<p>6) The plug-in devices must be installed near an easily accessible socket outlet.</p>
	<p>7) Avoid unstable power sources. Do not use near large power consumers such as welding equipment or large motors.</p>
	<p>8) Avoid sudden temperature fluctuations, vibrations, wind and water.</p>
	<p>9) Avoid applying strong pressure or scratching the surface with hard, sharp or pointed objects.</p>
	<p>10) Avoid strong Rausch.</p>
	<p>11) The scale is not waterproof and does not protect against insects. Do not spray or immerse the scale in water. Please keep the scale clean.</p>
	<p>12) Do not place the scales in direct sunlight.</p>
	<p>13) Do not use any tools to open the housing.</p>
	<p>14) 15) Do not use organic acids, alkaline solutions, scouring powders or plastic-dissolving cleaning agents for cleaning.</p>

2. PRODUCT DESIGNATION

2.1 General information

The 1422 scale with label printing has comprehensive functions, interfaces and a high-resolution 10-inch operator display with touch function. The 1222 self-service scale has a large 15.6-inch touchscreen display.

The standard models are high-quality products for customers who want sophisticated functions. PC software and intelligent scale functions ensure that the user can find the PLUs quickly and reliably. By using the PC software, it is also possible to control the self-service scales from the back office.

Key features

- Linux operating system
- ARM CORTEX A17 processor based design
- Resistive touchscreen (1422) and capacitive touchscreen (1222)
- HD LCD
- 2GB RAM, up to 99999 PLU memory
- Various communication methods: RS232, Ethernet, WLAN, USB host for keyboard/mouse/scanner interface.
- All options are controlled via the menu and are easy to operate.

2.2 Touchscreen

- The labelling and self-service scales are supplied with a resistive TFT touchscreen display for 1422 and a capacitive TFT touchscreen display for 1222.
- With the resistive type, the input depends only on the pressure exerted and not on the material itself; the touchscreen can therefore be operated not only with fingertips but also with pen tips and rubber gloves, for example.
- The capacitive touchscreen is only dependent on touch, not pressure, so it can be operated much more smoothly with the fingers.
- The resolution of the 10-inch display is 1280 x 800 pixels and that of the 15.6-inch displays 1366 x 768 pixels.

2.3 Label printer

The models in the 1222 and 1422 series are equipped with a linerless printer as standard. The print resolution is 8 dots/mm, the print speed is 100 mm/s and the maximum print width is 54 mm.

2.4 Interfaces

All scales in the 1222 and 1422 series are equipped with 1xRJ45, 1xRJ11, 4xUSB2.0 and 2 x RS232 interfaces.



No.	Interface	Quantity	Description of the
1	OTG	1	To update the system software
	USB2.0		For mouse, keyboard, barcode scanner, avoid using to charge other devices
2	USB2.0	3	For mouse, keyboard, barcode scanner, avoid using to charge other devices
3	RJ45	1	Ethernet (Giga LAN)
4	SD slot	1	Without function - reserved for other models
5	RJ11	1	Cash drawer (12V)
6	RS-232	2	For printers or other supported devices

2.5. Model overview

2.5.1. 1422

The 1422 is a bench scale for label printing as a self-service or labelling scale with full functions, extensive interfaces and a 10" touch display. The 1422 is available in two different weighing range versions.

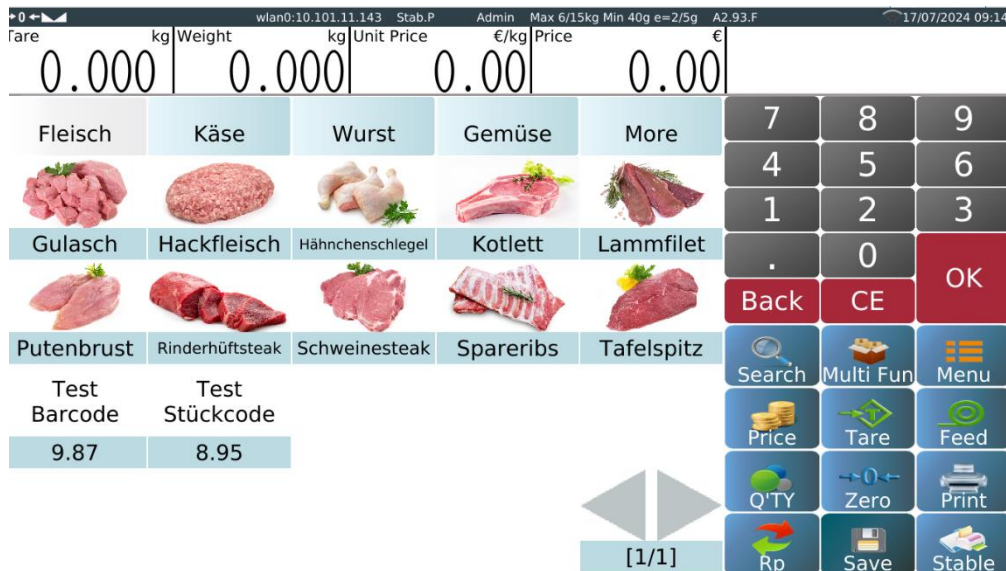


2.5.2. 1222

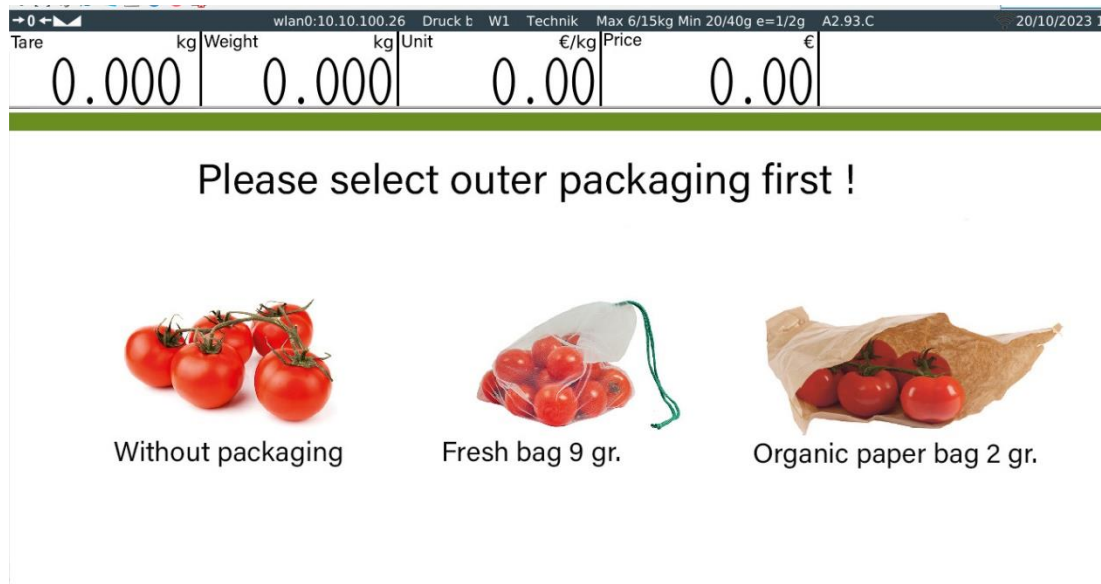
The 1222 is a stand scale for self-service label printing with a large 15.6-inch touchscreen display. It has comprehensive functions and interfaces and is available in two different weighing range versions.



2.6 Touchscreen (example of operation / user interface)



Labelling mode



Self-service mode

3. INSTALLATION

3.1 Unpacking

When you receive the scale, check that it is undamaged and that all parts are present:

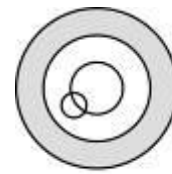
- Remove the scales from the box.
- Remove the protective cover. Keep the packaging and use it if you need to transport the scales later.
- Check the scales for damage.
- Make sure that all components are included.
 - 1st scale;
 2. power connection cable;
 - 3rd manual;
 4. stainless steel bridge plate.

3.2 Levelling device



The scales may only be connected to the mains using the mains cable or charger supplied.

The spirit level is used to level your scale. It is attached to the back of the device.



Not Level



Level

Water level

- The air bubble must be in the centre of the dragonfly.
- The correct alignment of the appliance can be achieved by adjusting the adjustable scale feet.
- The alignment should be checked regularly to ensure correct weighing results.
- If the scale is moved, the alignment must be checked and corrected if necessary.

3.3 Mounting plate

The bridge plate must be correctly installed on the weighing cross

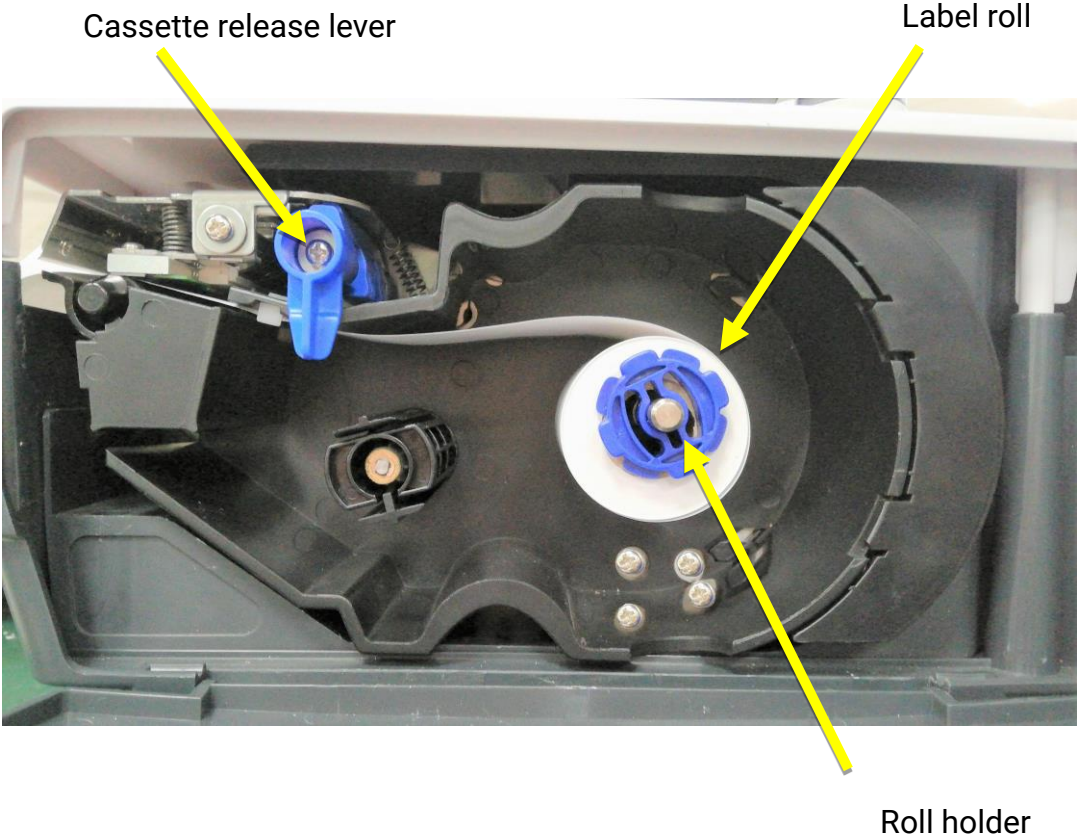


The surface of the bridge plate should be checked regularly to ensure that no foreign bodies are deposited.

3.4. Replacing the printer cartridge

The 1222 and 1422 series scales are equipped with a linerless label printer as standard. A standard label printer can be installed as an option.

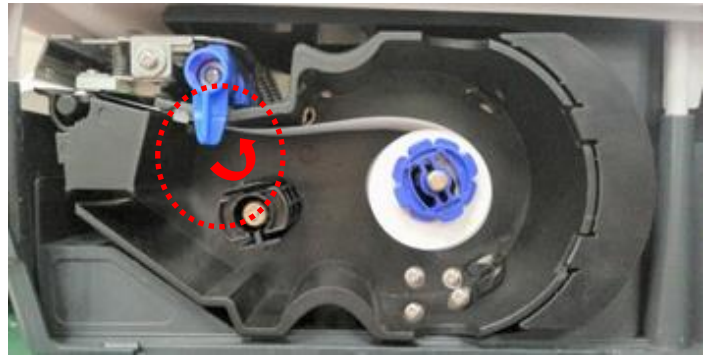
3.4.1 Linerless printer cassette



Replacing the label roll



① Open the printer flap



② Turn the lever to the open position



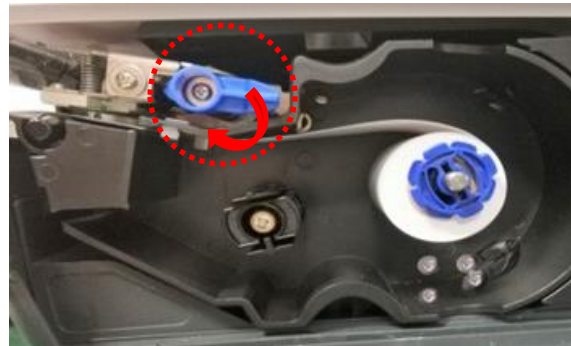
③ Remove the cassette



④ Loosen the roller fixation and remove the roller core



⑤ Insert new label roll, close roll fastener



⑥ Insert the cassette and turn the lever to the closed position

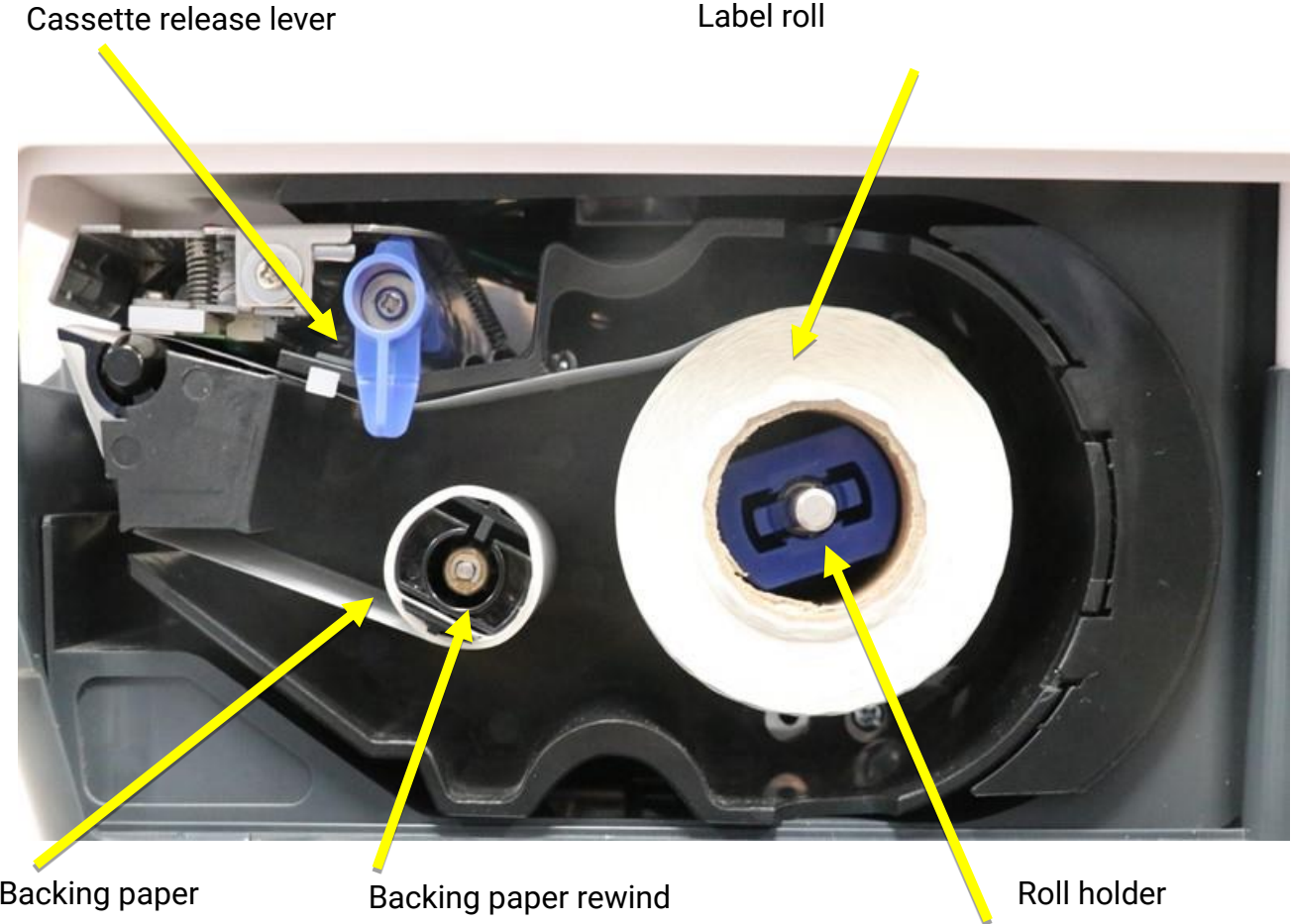


⑦ Close the printer flap



⑧ Press the feed button, the label is printed out

3.4.2 Cassette label printer (option)



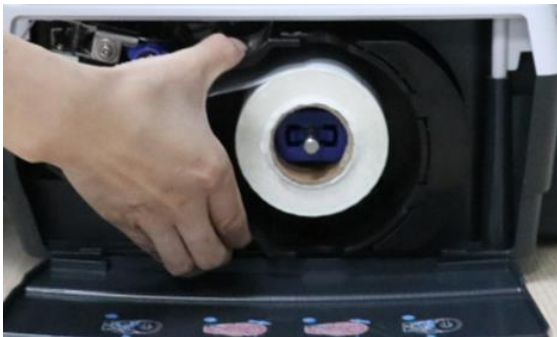
Replacing the label roll



① Open the printer flap



② Turn the lever to the open position



③ Remove the cassette



④ Remove backing paper and roll core



⑤ Insert a new label roll, then insert the backing paper under the slot in the reel and close the fixing lever



⑥ Insert the cassette and turn the lever to the closed position



⑦ Close the printer flap



⑧ Press the feed button, the label is printed out

3.6 Power connection



1 socket for the mains cable

2 On/off button

- To connect the scales, plug the mains cable into the socket located under the scales. Then insert the plug into a socket.
- Only use the mains adapter supplied with the scales.

3.7. Start



Before commissioning, ensure that the appliance has been properly installed and connected to the power supply. The scale must not be loaded.


1) As soon as the scale is connected to the mains, it switches on automatically.

2) Switch on the device

Switch on: The switch-on button is located underneath the scales.


Press and hold the switch-on button until the beep sounds and the scales are switched on.

3) Switch off

Method 1: Press the key  in the main menu and press "Switch off" in the pop-up window to switch off the device.

Method 2: Press and hold the switch-on button until the scales are switched off.

4) Restart the scales

Press the key  in the main menu and press "Restart" in the pop-up window to restart the scale. The scale switches off and then switches to normal weighing mode.

Note: Avoid disconnecting the mains power supply directly when switching off the scales, otherwise the weighing data will be lost.

3.8 Transport and storage

Always transport and store the device in its original packaging.

3.8.1 Decommissioning

Switch off the scales.

Remove all cables and connections from the scale.

Clean the scales according to the cleaning instructions.

Store the device in its original packaging.

4. DISPLAY & BUTTON FUNCTIONS

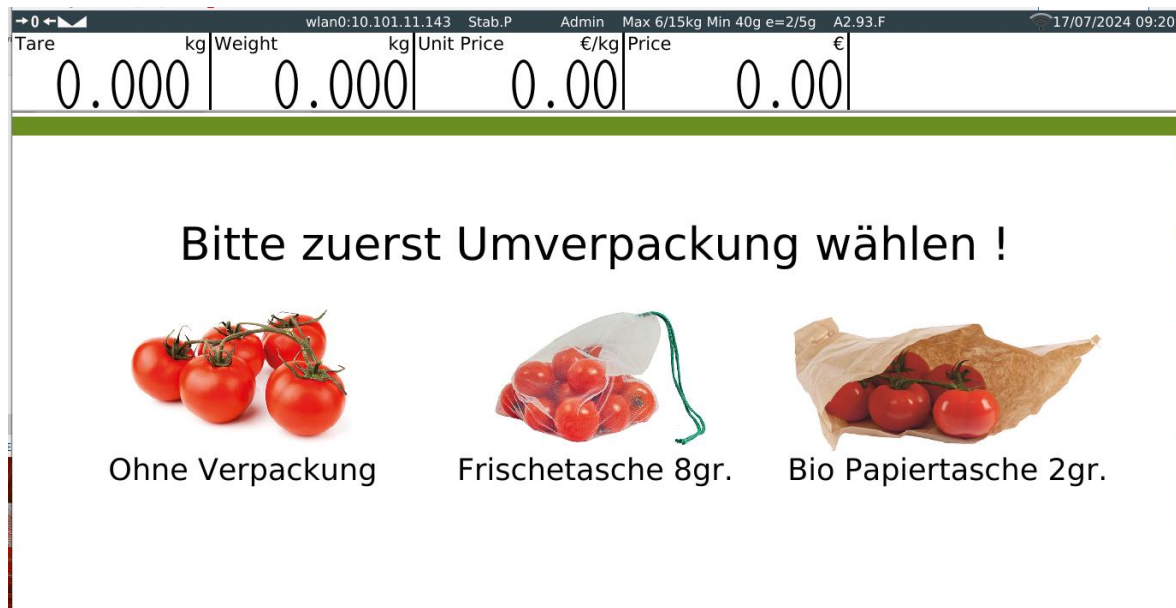
4.1 . Labelling mode (standard operating interface)

4.2 Display and button functions

No	Indicator	Name	Description of the
1		Zero	To display the current
		Stable	Weighing status
2		Operator	Display of the operator mode
3		Weighing data	Display weighing range, resolution and minimum
4		Software version	To display the software version
5		Date and time	Display of date and time
6		Tare display	Display of the tare value
7		Weight display	Display of the weight value

8		Price display	Display of the price per unit of weight
9		Total display	Display of the total price
10		Product display	Display of the current product
11		Product group button	Display of the various product groups
12		PLU key	Display of PLU name & number or PLU image & name
13		PLU key	Search function for PLUs
14		Price key	Manual entry of the unit price
15		Quantity key	Enter the quantity
16		Delete key	Delete entries
17		Tare key	Press to remove a tare weight (e.g. packaging)
18		Zero key	
19		Menu key	Calling up the main menu
20		Printer feed key	Manual label feed
21		Print key	Triggering a label print
22		Labelling mode	Starting labelling mode

4.3 Self-service mode (standard user interface)

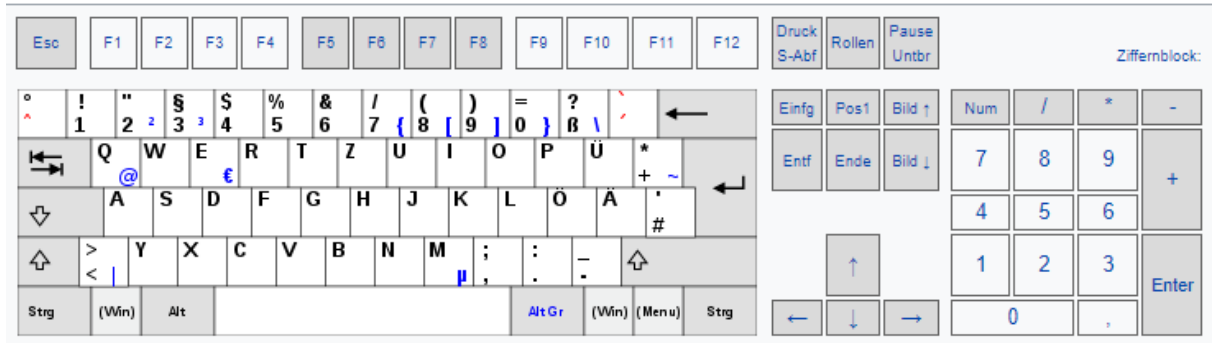


4.4 Display and button functions

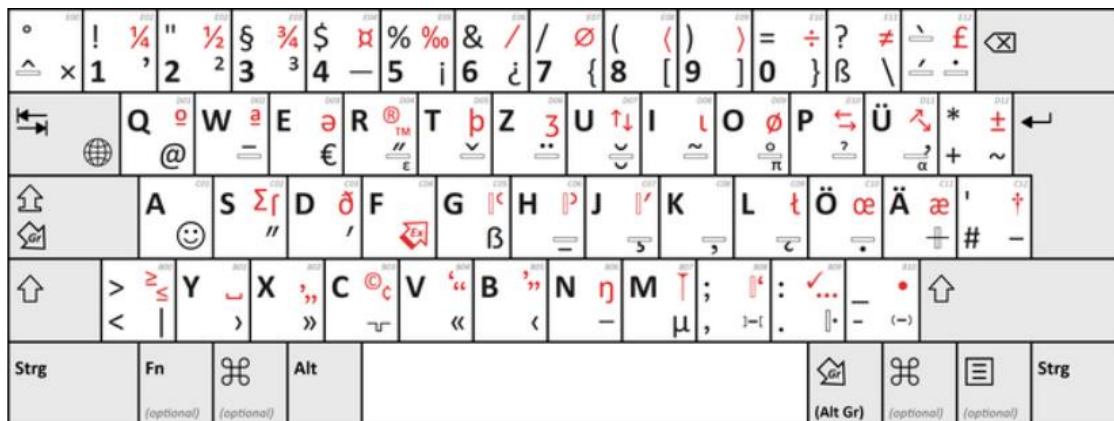
No	Indicator	Name	Description of the
1		Zero	To display the current weighing status
		Stable	
2		Users	For display operators
3		Capacity	For capacity, division and minimum weight
4		Software version	To display the software version
5		Date and time	For displaying the date and time
6		Price display	To display the total price
7		Product display	To display the current product

4.5 Built-in keypad

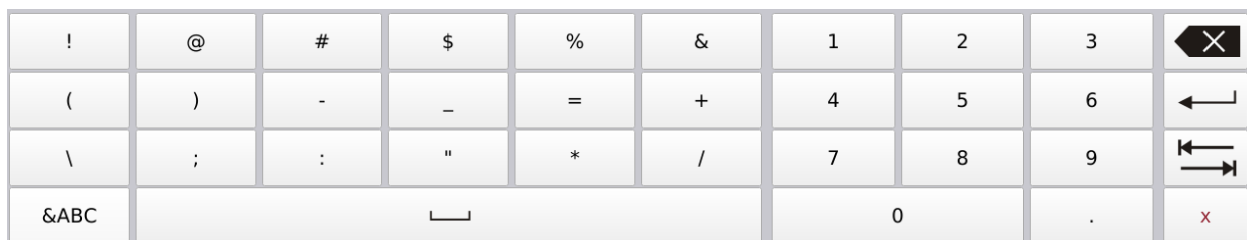
The on-screen keyboard opens automatically for editing or entering new data.






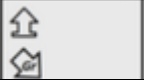

Keyboard for special characters



Numeric keypad










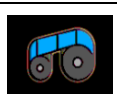
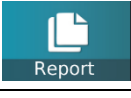
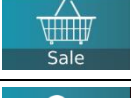
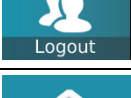



Backspace key

	When entering text, you can use this key to change the line
	Special characters and number keys.
	Close keyboard
	Switch to upper case / lower case.
	Press to change the sign

4.6 Main menu



	Icons	Name	Description of the
1		Label button	Starts the labelling mode
2		Database settings	Calls up the master data settings
3		Data transmission	Data import and export
4		Basic settings	Call up general settings
5		Technical settings	Call up technical settings
6		Switch on button	Switch off or restart the scales
7		Zero key	Set the scales to zero
8		Tare key	Press to subtract a tare weight
9		Printer feed key	Paper feed/calibration check
10		Print mode	Switch between linerless printing and backing paper
11		Reports" button	Check/print reports
13		SB mode button	Starts the self-service sales mode
14		Log out" button	Log out from the current user
15		System	Used for system settings and network communication etc.

5. OPERATION

5.1 Function

5.1.1 Switch on


When switching on, the scale first displays the company logo. The scale then sets the current weight as the new zero reference and then starts automatically in menu mode, in which the weighing mode can be selected.

Access to the menu and weighing mode can be secured (user name and password may be required if this was created when the user was created).


5.1.2 Display area

The scale displays the maximum weight, the minimum weight and the digit increment

5.1.3 Zero position


Zeroing can be carried out by pressing the key  , but only when the scales are at a standstill.

5.1.4 Tara


The weight of any container can be tared by pressing the key  so that the net weight of the object to be weighed is always displayed during subsequent weighing.

Tare operation:


1) Apply weight to the platform.

2) Press the key  . Zero is displayed and the tare is subtracted.

3) Remove the weight on the platform. The tared weight is displayed. Only one tare value can be set, which is displayed with a minus value.

4) This tare value can be cancelled by pressing the key  if there is no load on the platform. A tare value cannot be entered if the scales are not at a standstill.

5.1.5 Presetting the tare

The scales have a tare memory. Press and hold the key  until a window for entering the tare value appears; by tapping the "OK" key, the tare value is saved according to the entry.


5.1.6 PLU (Price Look Up)

The scale can store up to 99999 unit price values, which you can access using the PLU keys or the PLU search key.

5.1.7 Quantity

The total quantity price can be calculated with unit items, but no weighing result is to be considered here

5.1.9 Printing

The scale has a built-in printer, if the user taps the button , the label can be printed out.

5.1.10. Software version

The software is divided into weighing software, application software, on-screen keyboard software and printing software.

5.2 Operator mode operation

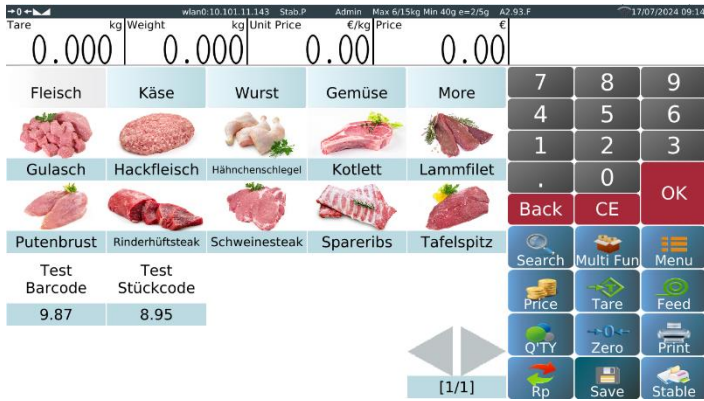
5.2.1 PLU (Product Look Up) search

Product names can be searched for using the assigned menu keys (direct PLU) or the search key.

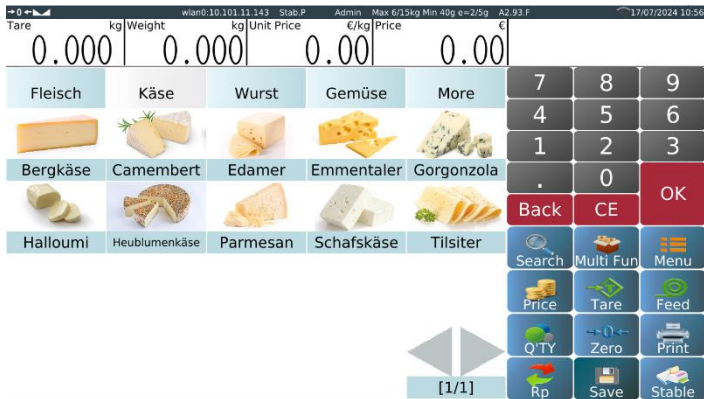
5.2.1.1. Direct PLU

Tap the PLU buttons on the pages.

Use the group button **Fleisch** to select different product groups or categories.



Meat group

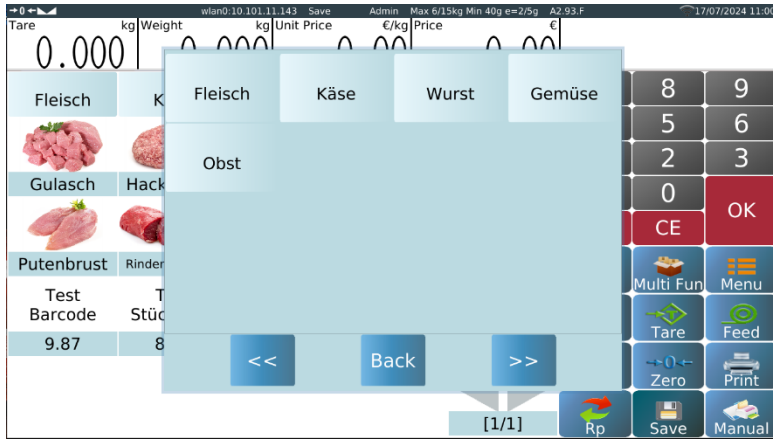


Cheese group



Sausage group

Further page/group window list



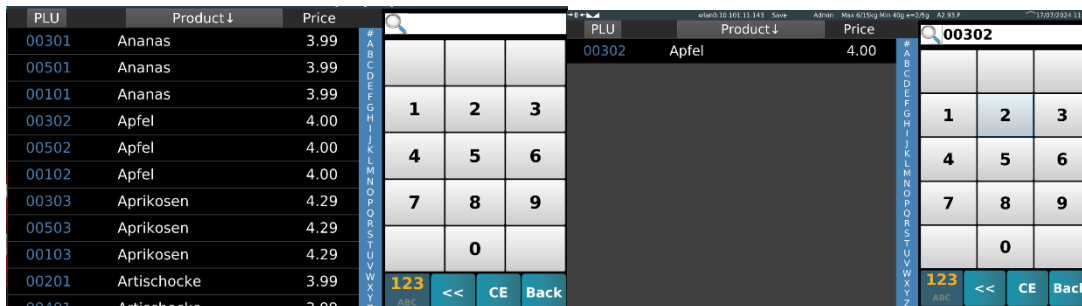
Note: The page/group list is only available according to the settings of the pre-button.

5.2.1.2. In-direct product search

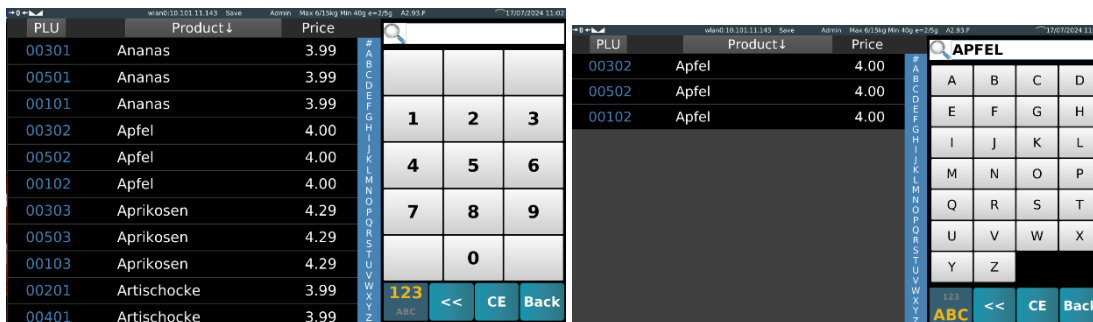


Tap the key  to call up the product overview page.

a) Product search by PLU number




b) Product search by name




5.2.2 Manual entry of unit price/quantity

1) If the product data is not predefined in the scale;

2) Tap the key  to enter the unit price manually;

3) Confirm with OK and follow the instructions for weighing;

4) For products without weight, enter the unit price and then enter the quantity manually;

5) Tap the key  to enter the quantity manually.

5.2.3 Labelling function

5.2.3.1 PLU selection for weighed items

a) Select an item from the PLU list.




b) The display shows the name, number and price per weight unit and the number of the selected product.

Tare	kg Weight	kg Unit Price	€/kg Price	€	Schafskäse	00709
0.000	0.000	2.99	0.00			

c) Place the object on the weighing platform and wait until the weight is stable.

Tare	pcs Quantity	pcs Unit Price	€/pcs Price	€	Saitenwurst	00808
---	1	0.89	0.90			



a. Then press the key  to print a label.

d) Remove the item from the scales to carry out the next weighing

Note: You can delete the current product name and price

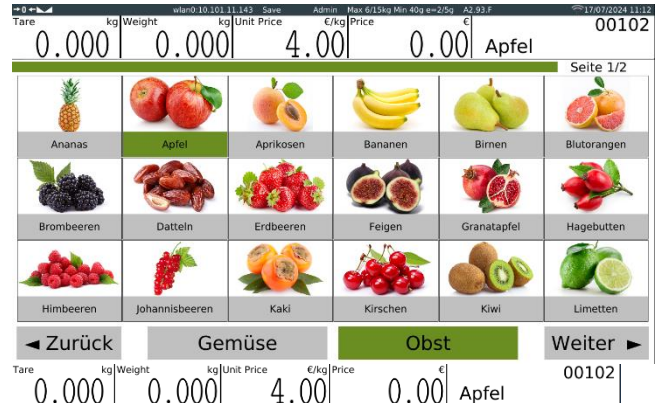
by pressing the key . Selecting a new item automatically deletes the existing PLU name and price.

5.2.3.2 Non-weighed article/ unit price operation

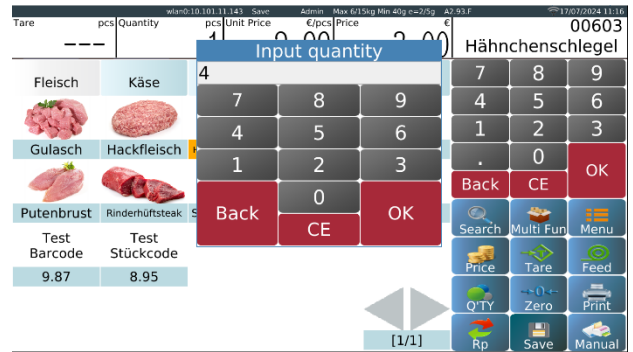
a) Select a non-weighed item from the PLU list.



b) The name and number of the selected product and the standard number of the item are shown on the display.



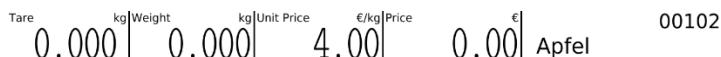
c) By tapping the key




or by tapping

Quantity
1

 to enter the desired unit price.




d) Then press the key  to print a label.

Note: You can delete the current product name and price by pressing the key . Selecting a new item automatically deletes the existing PLU name and price.

5.2.3.3. Labelling mode for weighed items

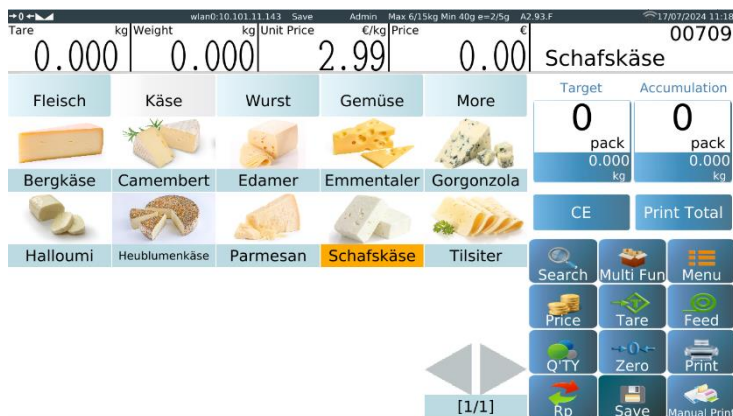
Note: To select the labelling mode, see Settings > Operating settings > Labelling

Press the key  once to start the labelling function for printing.

5.2.3.3.1. Labelling mode - number of packages weighed

This function enables automatic label printing when an item has been placed on the scales and the scales are at a standstill. After removing the item, the scale is ready for the next item


Tap the labelling key , labelling mode is shown on the display.

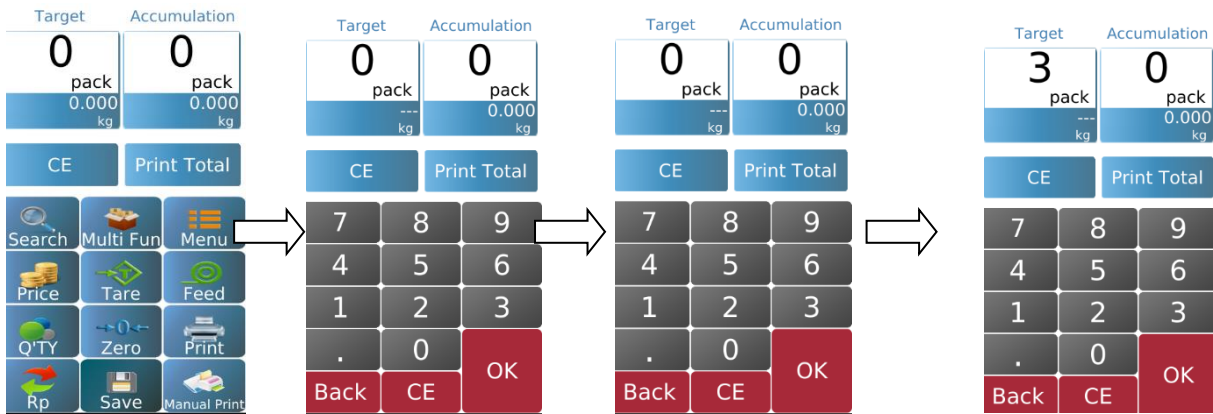


a) Select an item from the direct PLU list or enter values for non-PLUs.

b) The display shows the name, number and price per unit of weight of the selected product.



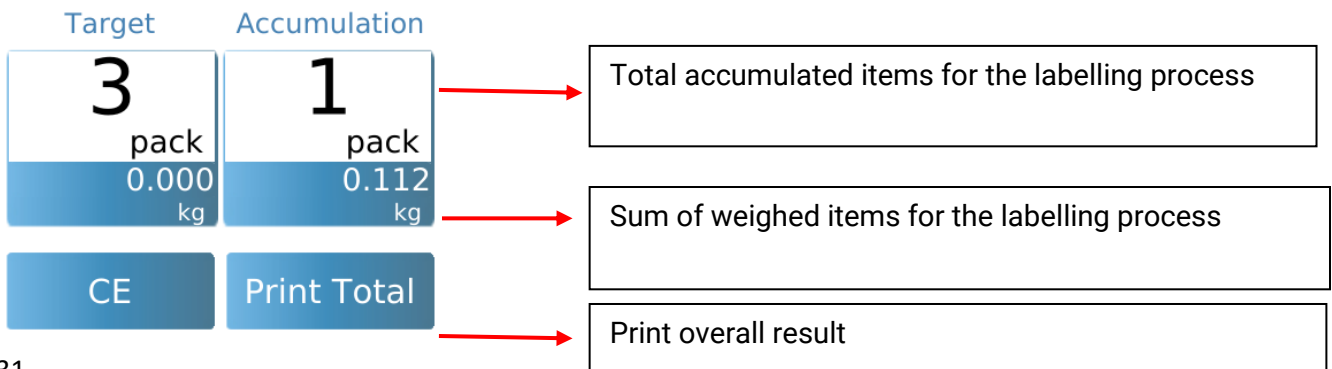
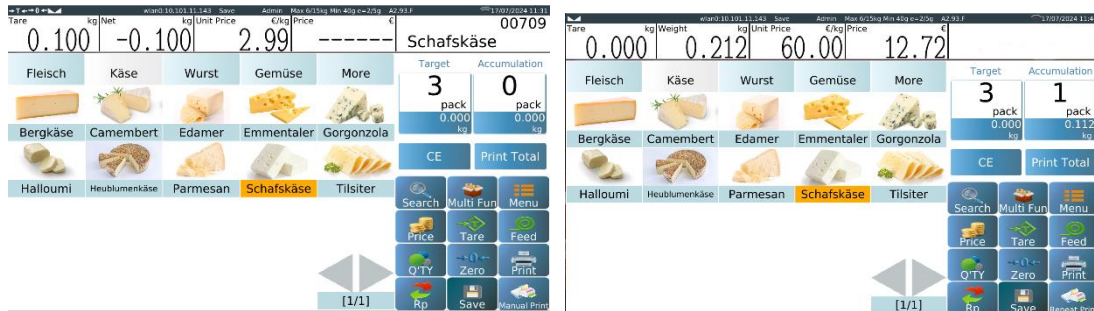
c) Tap the target window  to enter the number of packs and then tap the OK key.



a) Place the goods on the platform and wait until the weighing result is stable.

Then press the key  to start printing the labels.

b) Remove the goods from the scale and place a new item on the platform for labelling, the next label is printed automatically.

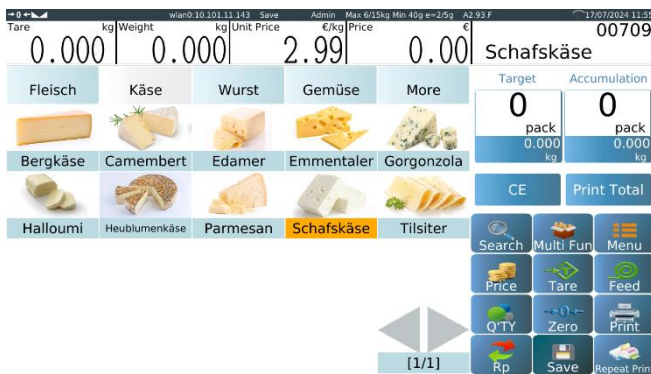


- c) Remove the item from the scale and place the next item on the scale.
 Note: You can delete the current product name and price by pressing the key **CE**. Selecting a new item automatically deletes the existing PLU name and price.

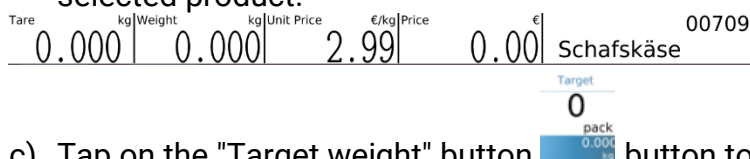
5.2.3.3.2. Award mode - target weight

This function enables automatic label printing when an item has been placed on the scales and the scales are at a standstill. After removing the item, the scale is ready

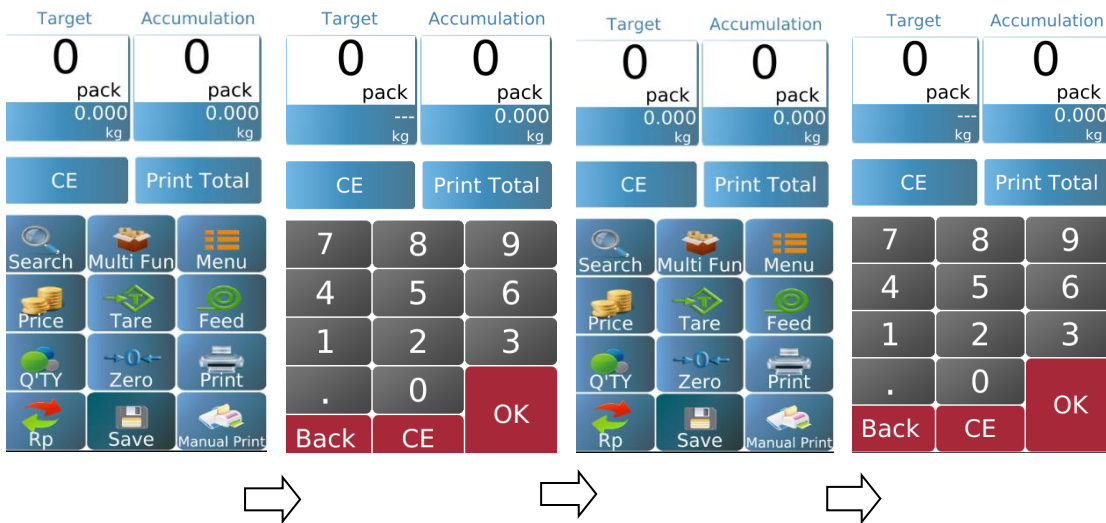
for the next item. Tap the labelling key **Multi Fun**, labelling mode is shown on the display.



- a) Select an item from the PLU list or enter values for an unlisted item.
 b) The display shows the name, number and price per unit of weight of the selected product.



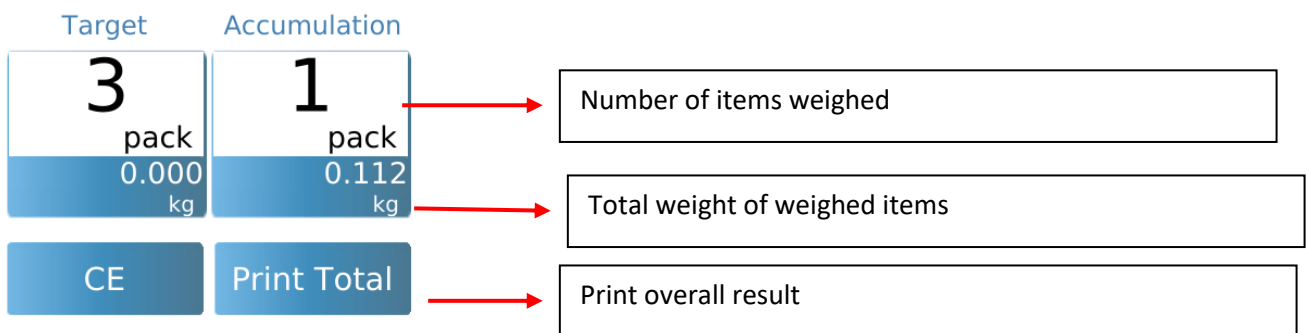
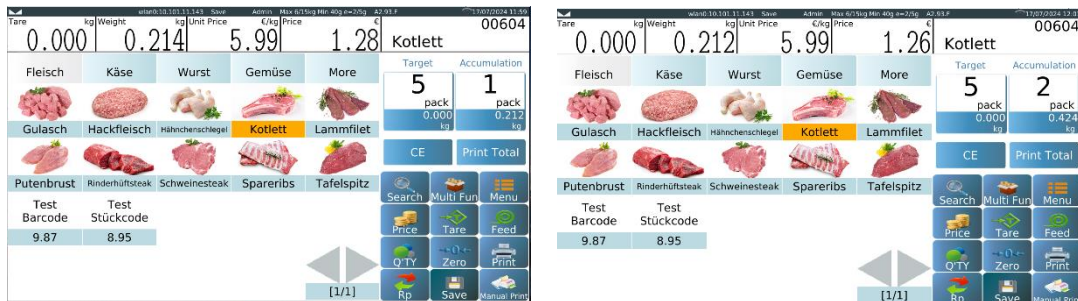
- c) Tap on the "Target weight" button **Multi Fun** button to enter the weight of the pack and then tap the OK key.



d) Place the goods on the platform and wait until the weighing result has


stabilised, then press the key  to print the labels.

e) Remove the goods from the scale and place a new item on the platform to be labelled. The next labels are printed automatically.



f) Remove the item from the scales for the next operation.

Note: You can delete the destination and totalling information by pressing the key

 . Selecting a new item from a new PLU key automatically deletes the existing PLU name and price.


5.2.3.3.3.. Labelling mode - print repetition

This function enables the automatic printing of multiple labels when the printed label is removed.


Setting for number or target weight function according to section 5.2.3.3.1 & 2.

Note:: The function Settings > Print after paper removal > ON must be selected to print the next label when the printed label is removed.

5.2.3.3.4 Labelling mode - manual printing


You can print manually by pressing the key  when an item is placed on the scales and the scales are at a standstill.

5.2.3.3.4. Labelling function for non-saved articles (weight price)


a) Tap the key  , enter the price per unit of weight for the item and confirm with OK.


b) Place the object on the scales and wait until the weight is stable,

Tara	kg	Gewicht	kg	Einheit	€/kg	Preis	€
0.000		1.274			5.99	7.64	


c) Then press the key  to print a label. "Other" is printed on the label instead of the product name.


d) Remove the item from the scales for the next operation

Note: You can delete the current price by pressing the key  or tap the key

 to enter a new price.

5.2.3.5. Labelling function for non-saved items (unit price)


a) Tap the key  , enter the unit price for the item and confirm with OK.


b) You can enter the desired quantity value in the quantity window by tapping the key  or by tapping

Menge	pcs
	1

c) The number and the total price are shown on the display,

Tara	pcs	Menge	pcs	Einheit	€/Stk	Preis	€
---		1			2.99	3.00	

d) Then press the key  to print a label. "Other" is printed on the label instead of the product name.

Note: You can delete the current quantity and price by pressing the key  or tap

the keys  or  to enter new values.

5.2.3.6. Labelling mode for unit price items

Note: Select a PLU without a weight price or enter the number of items in advance to use the labelling mode for unit price items.


Press the key  once to start the labelling mode for unit price items.

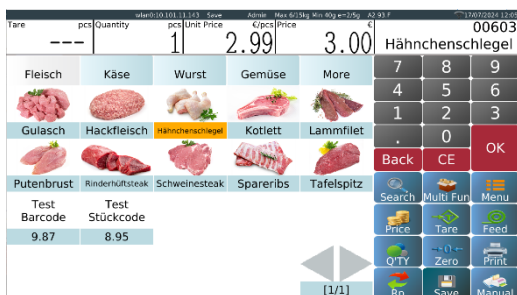
5.2.3.6.1. Labelling mode for unit price items - automatic printing

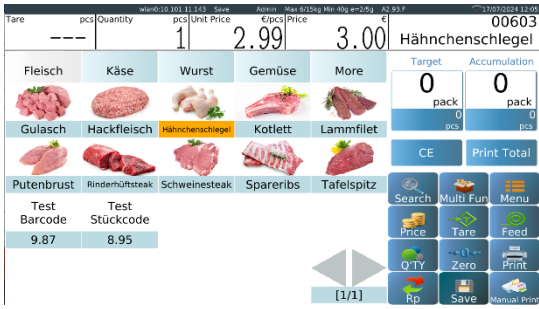
Enables automatic printing of multiple labels when the printed label is removed.


PS: The function Settings > Print after paper removal > ON must be selected to print the next label when the printed label is removed.

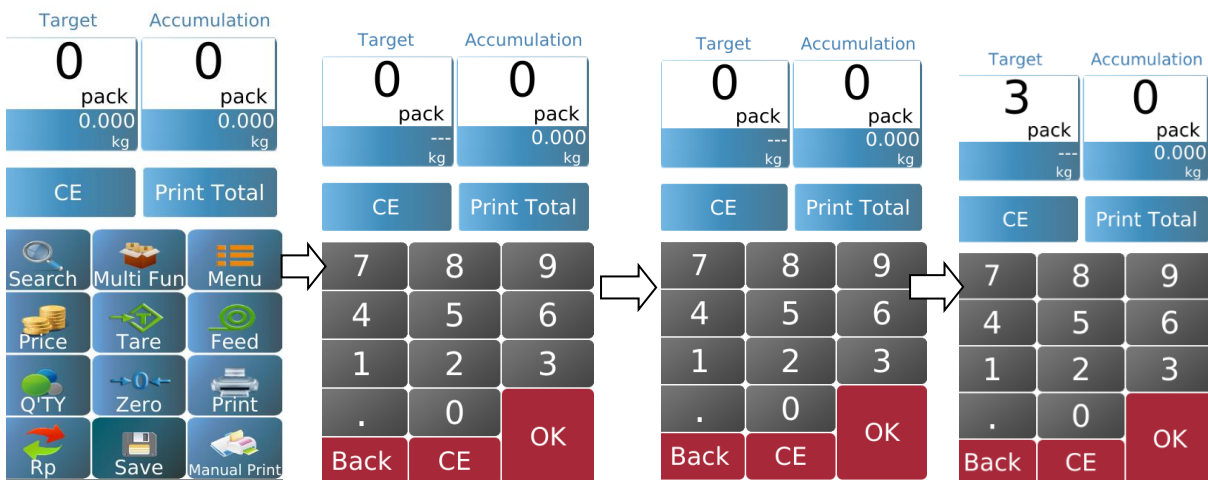
Select a unit price PLU from the PLU list or enter the quantity for an item without a

PLU and then tap the key  . The display shows the pre-packing process.





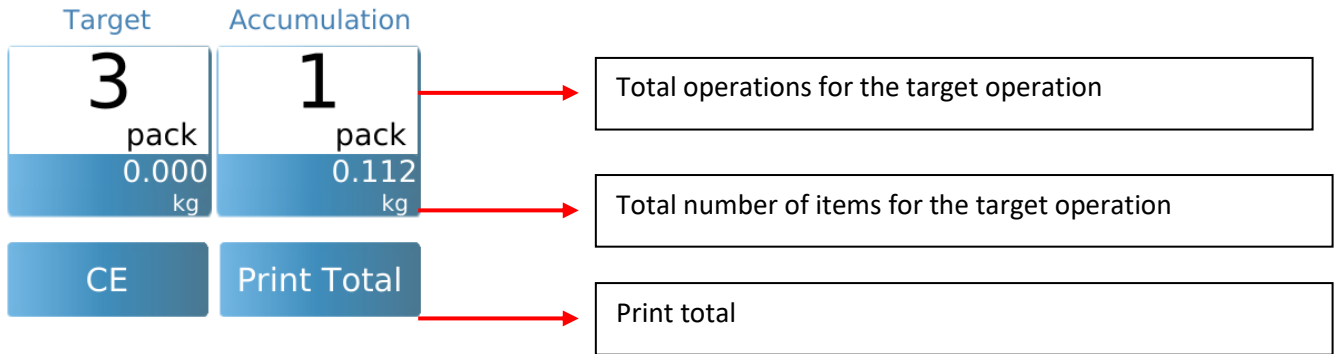
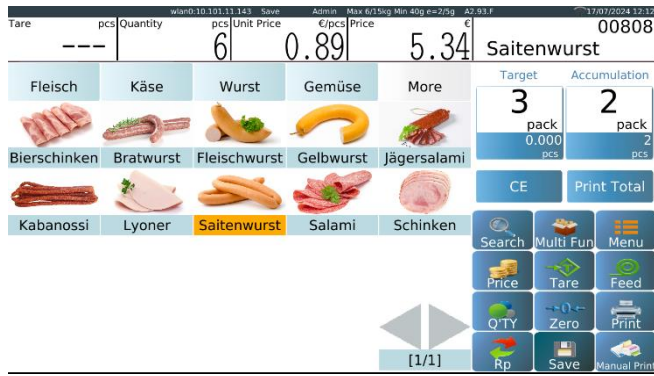
a) Tap the target window  to enter the number of packs and then tap the OK key.



b) Then press the key  to start printing the labels.

c) The next label is printed automatically when the printed label is removed.







Note: You can delete the target and accumulation information by pressing the key **CE** or by selecting a new PLU key, the existing PLU name and price are automatically deleted.

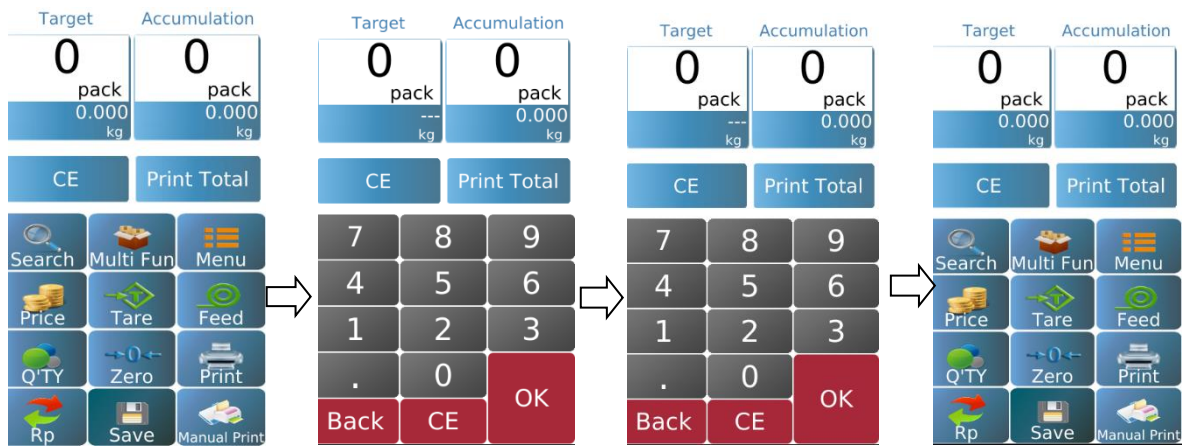
5.2.3.6.2 Labelling mode for unit price items - manual printing

Printing is done by pressing the key  after the printed label has been removed.

- a) Select a unit price PLU from the direct PLU list or enter the quantity for unsaved items and then tap the key . The display shows the pre-packing process.



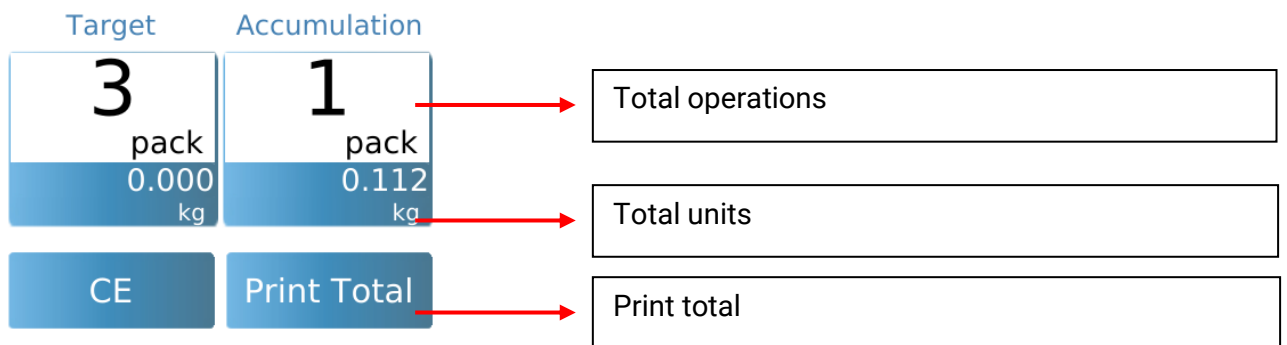
b) Tap the target window  to enter the number of packs and then tap the OK key.



d) Then press the key  to start printing the labels.

e) Remove the label and press the key  to start printing the next label.





Note: You can delete the target and accumulation information by pressing the key **CE** or by selecting a new PLU key, the existing PLU name and price are automatically deleted.

5.3 Operation in self-service mode

Tare	kg	Weight	kg	Unit	€/kg	Price	€
0.000		0.000			0.00		0.00

Please select outer packaging first !



Without packaging



Fresh bag 9 gr.



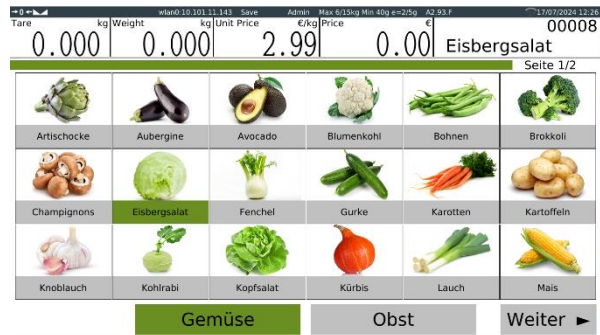
Organic paper bag 2 gr.

Use the keys **Gemüse** or **Obst** to select different product groups or categories.

5.3.1

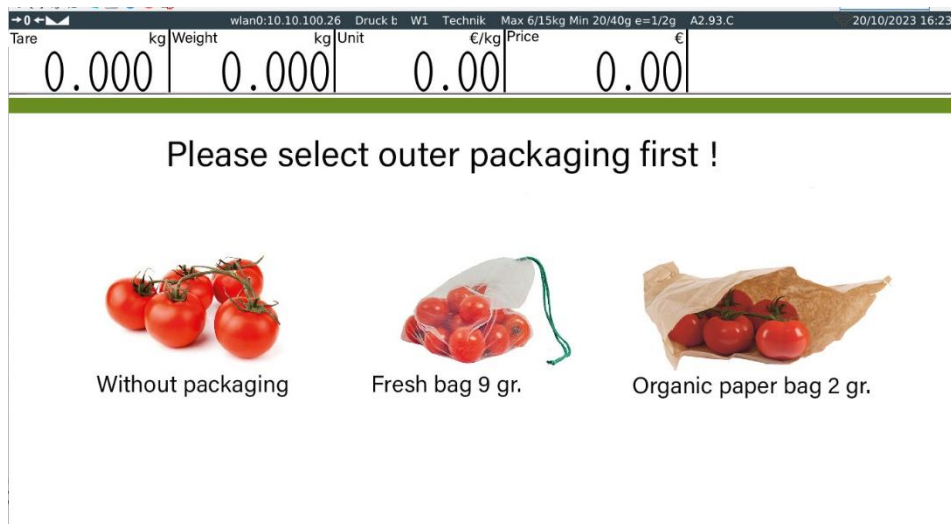
5.3.1.1. Selection by product category

- Place the item on the platform
- Search the product by category
- Select the appropriate product
- The display shows the name and number of the selected product.
- The label is printed automatically.



- Attach the label to the product.

5.3.2 Exiting self-service mode



To exit self-service mode, tap the area marked with the red frame several times in quick succession until an input window opens. Confirm the log-in (no password is assigned by default) to access the main menu.

5.5 Printing

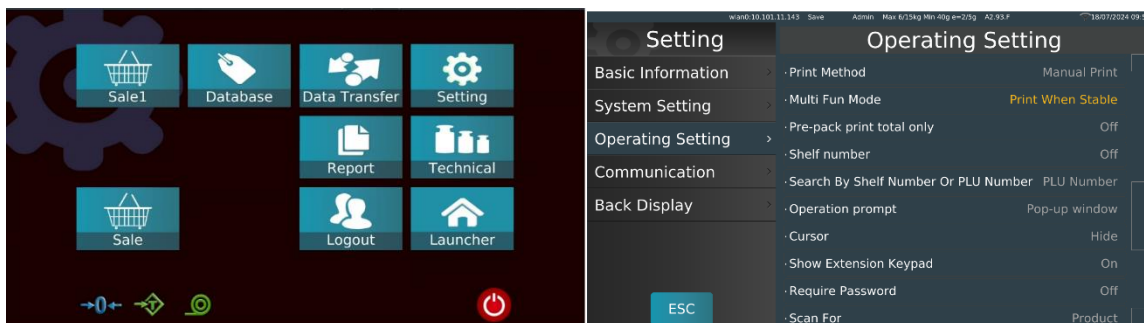
5.5.1 Set up print mode (label, linerless, continuous)

The following print modes can be selected in the submenu **Operating settings >Print mode**:

- ✓ Label mode: Used to print labels (with backing paper and die-cutting)
- ✓ Receipt mode: For printing linerless labels (without liner, without punching)

5.5.2 Linerless printing


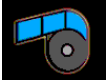
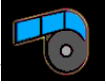

To activate linerless printing, please change the print mode to Bon mode as described in section 5.5.1, or proceed as follows.





Method 1

- 1 Press the **【Menu】** key to call up the main menu.
- 2 Press **【Technical】** to select the printer setting, press the printer configuration to select the receipt mode **【ON】** and **【Recycle Off】**
- 3 Press **【ESC】** to return to the main menu.
- 4 Press **【Labelling】** to enter the labelling mode for labelling.








Method 2

- 1 Press the **【Menu】** key to call up the main menu, use the  key to switch to the main menu. 
- 2 Press **【Setting】** to select the printer setting, press the printer configuration to select **Receipt Mode 【AN】** .
- 3 If you want to change the receipt mode to label mode, switch the key  to  and select the option **Receipt mode 【OFF】** in the printer configuration.

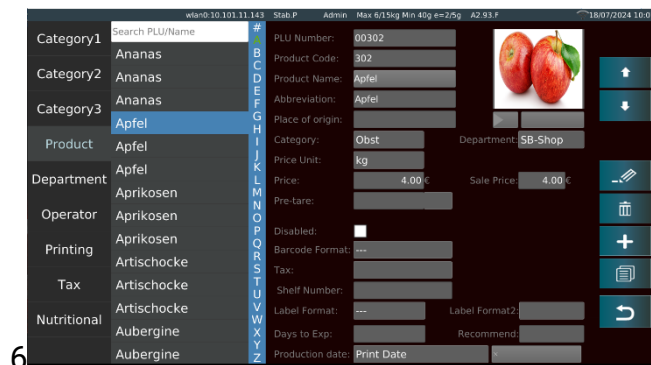
6. DATABASE PROGRAMMING

Tap on  Database to call up the ID settings page. To return to the main menu, press the key 

1.	Product group	Article top group	Product group management
2.	Product group level 2	Sublevel 1	Administration sub-level 1
3.	Product group level 3	Sublevel 2	Administration sub-level 2
4.	Article data	PLU	Item list with details and creation of new items
5.	Department	Departments	Details of departments and creation of new departments
6.	Users	Operator	To add operator information
7.	Print format	Print format	Adding and managing labels

8.	VAT	Tax	Management of tax rates
9.	Nutritional values	Nutrition	Management of nutritional information
Key overview			
1	 	Arrow keys	Navigate up and down
2		Edit	For editing product information
3		Delete	Delete product groups, articles, etc.
4		Add	Add product groups, articles, etc.
5		Back	Return to the main page
6		Save	For saving information

6.1. Article data










Note: Before creating articles, first define product groups.

Description of the item properties

No	Position	Description of the
1	PLU number	PLU number is generated automatically. Alternatively, a 5-digit numeric number can be entered: 00001~99999
2	Product code	13 digits numeric characters; barcode EAN 13
3	Product name	Enter the name of the PLU. 1000 alphanumeric characters

4	Abbreviation	Enter the short name of the PLU. 20 alphanumeric characters
5	Origin	Enter the place of origin, 255 alphanumeric characters
6	Play	Navigate up and down
7	Product group	Select the name of the category from the drop-down list
8	Department	Select the name of the department from the drop-down list
9	Unit price	Select the weighing unit from the drop-down list.
10	Price	Enter the unit price of the PLU. 0~999999
11	Selling price	Enter the unit price of the PLU. 0~999999
12	Fix tare	Enter tare, if available
13	Deactivated	Deactivate PLU in the search list
14	Barcode format	Select the barcode format from the drop-down list for the PLU
15	VAT	Select the applicable tax rate from the list
16	Shelf number	Enter the shelf number of the products. Up to 15 numeric characters 000000000000000~999999999999999
17	Label format	Select the first label format from the drop-down list for the PLU
18	Label format 2	Select the second label format from the drop-down list for the PLU
19	Period	Use of best before expiry date of the product (by number of days)
20	Recommended	Use of the recommended date (by number of days)
21	Period	Enter the best-before date for the item
22	Packing date	Select the packaging date from the list (print by calendar or print date or production date)
23	To be consumed by	Select the use of best before shelf life (print by calendar / print date / production date / packaging date)
24	Temperature	For memory information; 35-digit alphanumeric keys
25	Ingredients	For information on the ingredients; 1500 alphanumeric characters

26	Ingredients	For nutritional information; 1500 alphanumeric characters
27	Produced	For the creation of company information; 1500 alphanumeric characters
28	Remark 1	For any comment; 1500 alphanumeric characters
29	Remark 2	For any comment; alphanumeric characters
30	Remark 3	For any comment; alphanumeric characters
31	Remark 4	For any comment; alphanumeric characters
32	Remark 5	For any comment; alphanumeric characters
33	Note 6	For any remarks; alphanumeric characters
34	Note 7	For any remarks; alphanumeric characters
35	Note 8	For any remarks; alphanumeric characters
36	Nutritional	For product nutrition ingredient.

1		Arrow keys	For above and below
2		Edit	Editing product information
3		Delete	Deleting products
4		Add	Adding new products
5		Back	Return to the main page
6		Save	Saving information
7		Cancel	Cancel entry or process

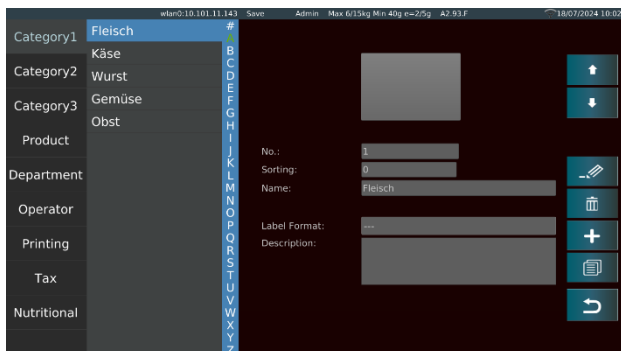
6.2. Product group

The product groups are used to categorise the PLUs. The numbers 0001 ~ 9999 are available for programming.

Select **Warengruppe** to display and add product groups.








The product groups of the main group are numbered from 1 ~ 29999, in level 1 from 30000 ~ 59999 and in level 2 from 60000.

Product groups of level 1 and 2 are each sub-groups of the superordinate group (e.g. product group = meat / product group level 1 = poultry / product group level 3 = chicken).



No	Position	Description of the
1	Position	Display of the category number, which is generated by the system
2	Variety	numeric digit for sorting the category
3	Name	Category names
4	Label format	Select a label format from the list
5	Description	Free text field to describe the current category

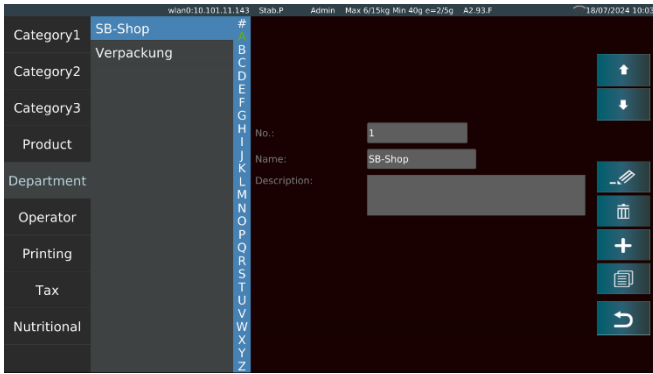
Level 2 and level 3 are only available in self-service mode, not in labelling mode

1		Arrow keys	Navigate up and down
2		Edit	For editing product group information
3		Delete	To delete product groups
4		Add	Adding a new product group
5		Back	To return to the main page
6		Save	For saving information
7		Cancel	Cancel current process





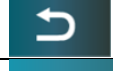


Note: To create an article, a product group and department must first be created.

6.3 Department

Select **Department** to add departments.

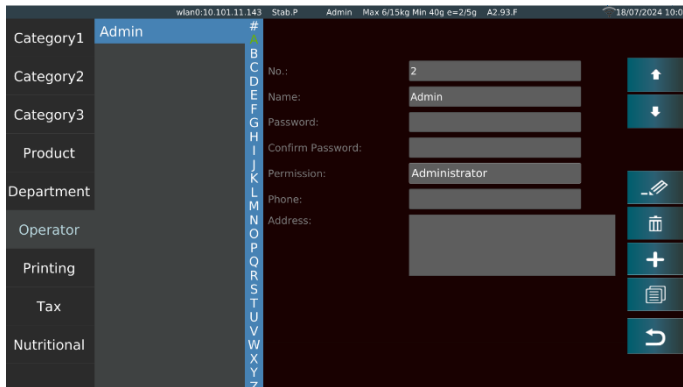


No	Position	Description of the
1	No.	Display of the department number generated by the system when you tap on "Add"
2	Name	To add department names
3	Description	To add details of the current department








1		Arrow keys	Navigate up and down
2		Edit	Edit current entry
3		Delete	Delete a department
4		Add	Adding a new department
5		Back	Return to the main page
6		Save	For saving information
7		Cancel	Cancel current process

Note: Creating a department is a prerequisite for being able to create an article.

6.4. Users

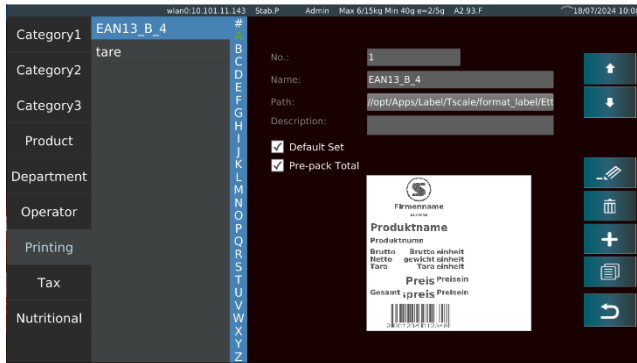


No	Position	Description of the
1	No.	Display of the operator number generated by the system
2	Name	To add user names
3	password	19 Enter digits and numeric characters
4	Enter password again	19 Enter digits and numeric characters
5	Authorisation	Select an authorisation from the list (Operator or Administrator)
6	Telephone	Enter the operator's phone number
7	Address	Enter the operator's address






1		Arrow keys	Navigate up and down
2		Edit	For editing user information
3		Delete	To delete users
4		Add	To add a new user
5		Back	Return to the main page
6		Save	Saving information
7		Cancel	Cancel current process



6.5. Print format

A label can be assigned to each item. The numbers 0001 to 9999 are available for programming. Select **Print format** to add one or more formats,



No	Position	Description of the
1	No.	Label number generated by the system when you tap "Add key"
2	Name	Adding a name for the label
3	Path	Storage location of the stored label
4	Remark	Adding a description of the label
5	Default settings	Define selected label / print format as standard
6	Labelling Total	Definition of the current label / print format for all label prints

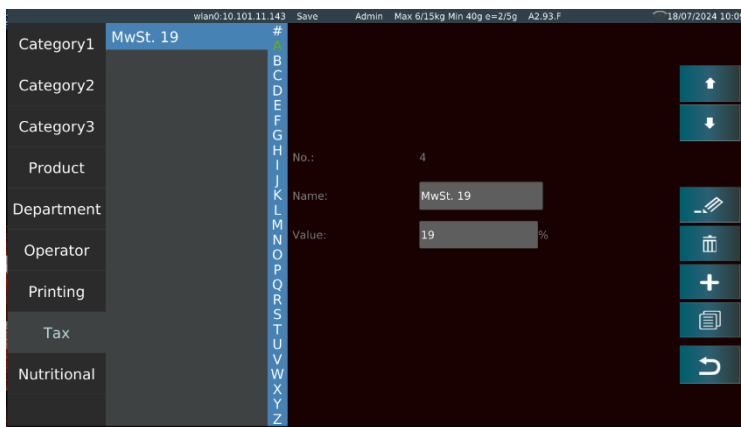
1		Arrow keys	Navigate up and down
2		Edit	For editing format information
3		Delete	Deleting the label
4		Add	Adding a new label
5		Back	Return to the main page

6		Save	Saving information
7		Cancel	Cancel current process





- 1) Select the format from the list and press the "OK" option;
- 2) The formatting path is displayed as the name of the selected formatting file;
- 3) Tick the checkbox to set the format as default if required;
- 4) Press the "SAVE" key to confirm, the format is added and then the format name and preview are displayed.




Note: If no format is assigned to the PLU, the standard format is printed.

6.6. VAT



No	Position	Description of the
1	No.	Consecutive number generated by the system when you tap the "Add" key
2	Name	Designation of the tax rate
3	Value	Percentage value of the tax rate

1		Arrow keys	Navigate up and down
2		Edit	Edit current data record
3		Delete	Delete current data record
4		Add	Add new tax rate

5		Back	Return to the main page
6		Save	Saving information
7		Cancel	Cancel current process

7. DATA TRANSMISSION



On the main page, tap the key  .
Select the appropriate function for exporting or importing.

Export data:

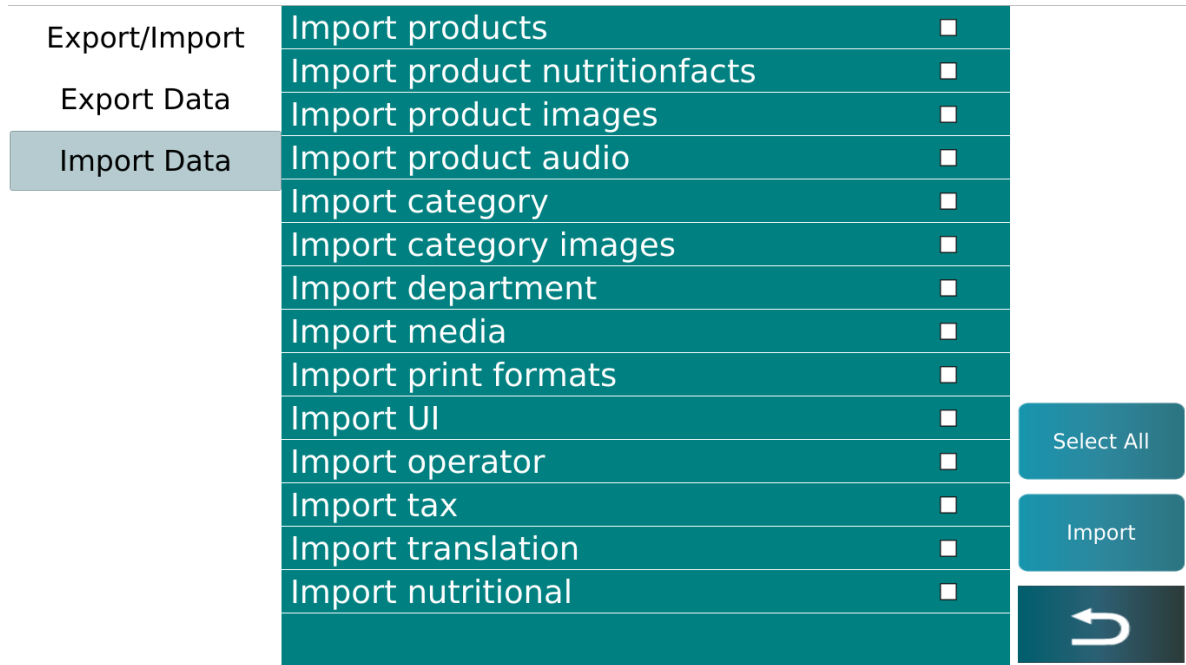


Realisation:

- 1 Insert the USB data carrier.
- 2 Tap on the "Export data" option.
- 3 Select the desired data for export by ticking the respective checkbox or select "Select all" to select all items
- 4 Tap on the "Export" button.
- 5 The data is exported to the "scale_data" folder on the USB memory device.

6 Tap the "Back" key to return to the main menu.

Import data:



Realisation:

- 1 Insert the USB stick with the contents of the "scale_data" folder.
- 2 Tap on the "Import data" option.
- 3 Select the desired data from the list or select "Select all"
- 4 Tap on "Import".
- 5 The data is stored in the scale's memory.
 - 6 Tap the "Back" key to return to the main menu.

7.1 USB flash disc data

The path to the USB memory should be USB-Flash-Disk\scale_data\.

USB data carrier Main folder name: scale_data



scale_data

"scale_data" data - subfolders and files

Name	Date modified	Type	Size
audio_product	14/10/2015 1:56 PM	File folder	
format_label	25/11/2015 11:20 ...	File folder	
format_receipt	25/11/2015 11:20 ...	File folder	
image_category	25/11/2015 11:20 ...	File folder	
image_product	25/11/2015 11:20 ...	File folder	
media	25/11/2015 11:20 ...	File folder	
translation	25/11/2015 11:20 ...	File folder	
bar_report.csv	19/11/2015 10:31 ...	Microsoft Excel C...	1 KB
barcode.csv	25/11/2015 11:20 ...	Microsoft Excel C...	0 KB
category_a.csv	25/11/2015 11:20 ...	Microsoft Excel C...	0 KB
category_b.csv	25/11/2015 11:20 ...	Microsoft Excel C...	0 KB
category_c.csv	25/11/2015 11:20 ...	Microsoft Excel C...	0 KB
department.csv	25/11/2015 11:20 ...	Microsoft Excel C...	1 KB
keys_key.csv	25/11/2015 11:20 ...	Microsoft Excel C...	17 KB
keys_keypage.csv	25/11/2015 11:20 ...	Microsoft Excel C...	1 KB
operator.csv	25/11/2015 11:20 ...	Microsoft Excel C...	1 KB
print_format.csv	25/11/2015 11:20 ...	Microsoft Excel C...	1 KB
product.csv	25/11/2015 11:20 ...	Microsoft Excel C...	9 KB
tax.csv	25/11/2015 11:20 ...	Microsoft Excel C...	0 KB

Name of the folder	Description of the
audio_product - Folder for audio files. (not available for all models)	Format: "wav" Bitrate: approx. 1411kbps. Size: 50kb or more Name: alphanumeric
format_label -folder for label formats.	The format files should be in fmt format and the logo files in .bmp format. Name the folder with numbers and letters only.
format_document (not available for all models)	The format files should be in .fmt format and the logo files in .bmp format. Name the folder with numbers and letters only.
image_category -folder for the images used in each category.	Format: "png" Resolution: 150x150 ~ 300x300. Size: 50kb ~ 100kb Name: alphanumeric.
image_product - Folder for product images.	Format: "png" Resolution: 150x150 ~ 300x300. Size: 50kb ~ 100kb Name: alphanumeric. Note: When using high-resolution images, the scale operation is slowed down and the available free memory is reduced. This can affect the storage of the maximum number

	of PLUs.	
media -folder for advertising images on the back. (not available for all models)	10" customer display Picture: Format: "png" Maximum resolution: 1280x800. Size: 50kb or more Name: alphanumeric. 7" customer display Picture: Format: "png" Maximum resolution: 800x480. Size: 50kb or more Name: alphanumeric.	Video: Format: "mp4" Image size: approx. 640x400 Size: It is recommended to use videos in small size.
Translation of -folder for translated documents.	Translation documents	


Note: The "media" folder is only required for certain models with a 10" or 7" display on the back.

Warning: When using high-resolution images or videos, the available free memory becomes smaller; this can affect the storage of the maximum number of PLUs and operation is slowed down.

8. SETTING

8.1 Settings menu



Select the key  to access the scale menu settings.

Remark:

1. some parameters are encrypted and require access by a technician or an admin account.

Technician / Admin authorisation Access and change settings.

No.	Person	Authorisations
1	Technician	Access to all parameters and functions is via the user name and password " Technician ".
2	Administration	Access to all parameters except weighing settings and calibration. To access the settings, the calibration seal must be broken. Access is therefore only permitted to authorised scale dealers.
3	Operator	No authorisation; only for weighing operations.

Note: User names and passwords are case-sensitive.

No.	Article	Description of the
1	Basic information	Basic settings; company, header, footer, currency, decimal price
2	System settings	Reset date, language, database
3	Configuration	Operational functions
4	Communication	RS232, Ethernet, WIFI

8.2 Settings table

Tap on "Basic information" to access user information, currency, etc,

Menu	Sub-menu	Remarks	
Basic information	User information	Company name	Enter the company data.
		Address	
		Telephone	
		Website	
		Logo	
		Advertising slogan	
		Shop no.	
		Department	
		Scale no.	
		Header 1~4	Reserved for the receipt
	Footer 1~4		
	Currency		(not changeable)
	Price decimal places		Used to set the decimal points for the price. (not changeable)
CSV separator	, comma (,)	Is used to specify the separator for CSV files.	
	; semicolon (;)		
Decimal place fixed / floating	Fluent	Used to set the mode for the decimal point of the price as fixed or floating.	
	Firm		
Set decimal point / decimal point	.	Used to set the decimal point. /,	

	Price rounding	2	Used to set the price rounding 1 ~ 10 (cannot be changed)
	Total rounding		Not changeable
	Set by PLU price unit	Scales Use price unit	Used to set fixed prices/PLU price units
		Use PLU price unit	
	VAT rate	No VAT	To set the tax none / include / exclude
		inclusive	
		exclude	
	Direct price change	From	The standard selling price is
		To	A dialogue for selecting price or sales price appears
System settings	Gravitation		Gravity value of the conformity assessment (cannot be changed)
	Date Format	Date Format	Used to set the local date, time and date format of the printer
		Output format Date	
	Language		Used to set the system language (not all languages are fully available)

	Sound	Beep	Used to switch the scale buzzer on and off
		Ribbon	Used to set the system volume
	Idle time	OFF	To set the idle time for the standby timer
		5s	
		10s	
		15s	
		20s	
		30s	
		40s	
		50s	
1 minute			
System Info			
Reset database	Reset product	Is used to reset selected content. Please only carry out this process after careful consideration, as data cannot be restored once it has been deleted.	
	Product group		
	Reset keys		
	POS sales report		
	Label report		
	Product & product groups		
	Product audio		
	Reset user		
	All formats		
	Reset all databases		
	Scale remote access	From	Used to switch remote access on and off
		A	
	Confirmed print	From	The print format is checked when the label is printed.
		A	
	Article Display	Picture and name	Setting the product display mode
Name and number			
Show PLU/price	PLU	Used to determine the product display method on the sales page	
	Price		
		From	

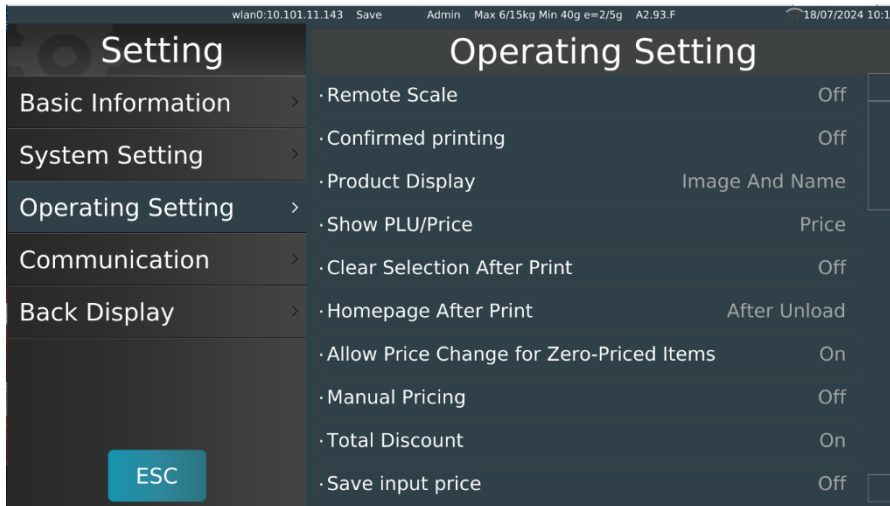
Auto delete PLU	A	Is used to automatically delete the PLU after
Auto start screen	After discharge	Defines when to return to the start page
	After printing	
Allow price change for zero-price items	From	Used to switch price changes for items with zero prices on or off
	A	
Free price entry	From	Used to manually enter the price per unit
	A	
Total discount	From	Used to set the total discount when the "Total price" window is pressed.
	A	
Save entered price	From	Used to set the new price per unit.
	A	
Note Price updated	From	Is used to save a new price per unit in the database.
	A	
Long press to edit	From	Open PLU settings with a long press
	A	
Internal printer	From	Printout via externally connected label printer
	A	Printout via internal label printer

Print number		Used to display the number of labels printed
After product selection		After product selection
Play sound		
Quantity entry after product selection	From	Determines whether or not the quantity can be entered after selecting the product
	A	
Printing method	Manual printing	Used to select different printing methods
	Printing at standstill	
Labelling mode	Printing at standstill	Used to set the print method in labelling mode
	Repeat print	
	Manual printing	
Print totals only for labels	From	Used to set the overall print mode in labelling mode
	A	
Shelf number	From	Used to display the shelf number of the product
	A	
Search by shelf number or PLU number	PLU number	Used to set the type of PLU search
	Shelf number	
Operating prompt	Normal	Used to select various operating instructions
	Pop-up window	
	Automatically close pop-up windows	
Cursor visible	Intuitive	Used to show and hide the cursor on the screen
	Always	
Display extension keypad	From	Used to switch the extended keypad on and off
	A	
	From	

	Password required	A	Switch password entry for access to the menu on/off
	Search for	Product	Used to switch the search by product or tare
		Tara	
	Delete auto tare	From	Tare is retained after printing a label
		During start-up	Clear tare when starting up the scales
	Print second label	From	Used to switch the print mode for the second label on and off
		A	
	Labels -Report	From	Used to switch the label report function on and off
		A	
	Request print	From	Switch print request on/off when opening or closing
		A	
	Repeat PLU number	From	The same product number can be repeated in different categories
		A	All PLUs are deleted and it is not permitted to repeat PLUs.
	Print mode	Labelling mode	Used to specify the printer paper used
		Receipt mode	
		Acknowledgement recycling ON mode	
	Free text	Input of free text for customised UI	
	Com2		Configuration RS232 interface no. 2

	Eth0	Displaying the IP address in the LAN
	Wlan0	Display the IP address of the wireless network

8.3. Configuration settings



8.3.1. Scale remote access

A second, external scale can be connected via remote access.










- 1 Connect the second scale.
- 2 Call up the submenu to select the second scale.
- 3 Make the technical setting to calibrate the second scale.
- 4 Once calibration is complete, the remote scale can be put into operation and the internal scale cannot be used.

If you select "Off", only the internal scales can be used.

8.3.2 Article display

<p>Image and name: The preset PLU in the sales list is displayed with image and name</p>	<table border="1"> <tr> <td data-bbox="911 338 1134 510">  Brombeeren </td> <td data-bbox="1134 338 1358 510">  Datteln </td> </tr> </table>	 Brombeeren	 Datteln
 Brombeeren	 Datteln		
<p>Name and number: The preset PLU in the sales list is displayed with name and PLU number</p>	<table border="1"> <tr> <td data-bbox="911 607 1134 779">  Brombeeren </td> <td data-bbox="1134 607 1358 779"> Brombeeren 00029 </td> </tr> </table>	 Brombeeren	Brombeeren 00029
 Brombeeren	Brombeeren 00029		

8.3.3 Auto delete PLU

<p>Display PLU: The preset PLU in the sales list is displayed with image and name; the preset PLU in the sales list without image is displayed with name and PLU number</p>	<table border="1"> <tr> <td data-bbox="911 1030 1134 1202">  Brombeeren </td> <td data-bbox="1134 1030 1358 1202">  Datteln </td> </tr> </table>	 Brombeeren	 Datteln
 Brombeeren	 Datteln		
<p>Show price: The preset PLU in the sales list is displayed with name and price, only available for PLU without image</p>	<table border="1"> <tr> <td data-bbox="911 1299 1134 1471">  Brombeeren </td> <td data-bbox="1134 1299 1358 1471"> Brombeeren 2.99 </td> </tr> </table>	 Brombeeren	Brombeeren 2.99
 Brombeeren	Brombeeren 2.99		

8.3.4. Delete PLU automatically

The deletion of PLU data after printing can be switched on and off

On: after printing the labels, the selected PLU data is automatically deleted.

Off: after printing the labels, the selected PLU data is retained and must be deleted manually.

8.3.5. Auto start screen

The "Back to start page after printing" function can be switched on or off,

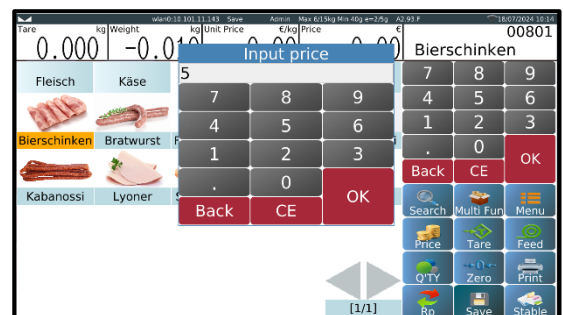
On: Returns to the start page after printing the labels.

Off: There is no automatic switch to the start page after label printing.

8.3.6 Allow price change for zero-price items

Enables the price entry function for zero-price items to be switched on/off

ON: The price for zero-price items can be changed. When selecting a PLU without a price. A prompt to enter the price appears. The price entered is confirmed by pressing the OK key.



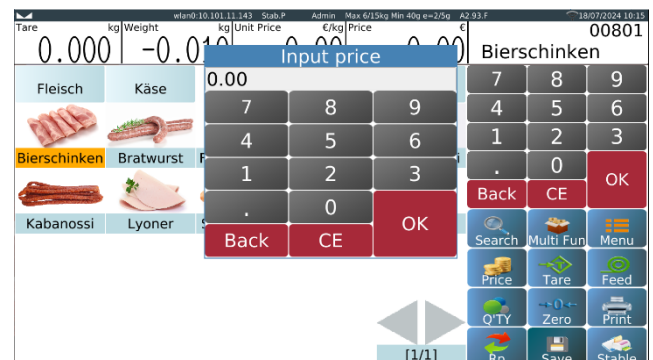
OFF: The price for zero-price items cannot be changed.

8.3.7. Free price entry

The manual pricing function can be switched on and off.

ON: Tap on the window with the price per unit or tap on the PRICE button to open a window for entering the price per unit.

OFF: Free price entry is not possible



8.3.8 Saving the entered price

The saving of an entered price can be switched on/off

On: the price entered is retained after the item is removed from the scale

Off: the price entered is deleted after the item is removed from the scale

8.3.9. Note Price updated

Price update tip window on/off

On: When the unit price is updated, the message window appears.

Off: If the unit price is updated, the message window is not displayed.

8.3.10. Long press Edit

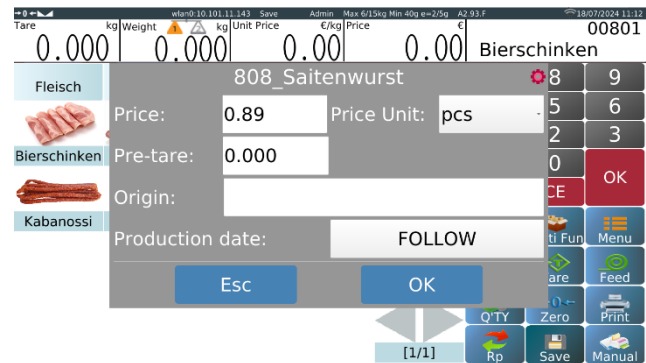
Enables the editing function to be switched on and off with a long press

ON: Long press on the selected preset PLU in the sales list, enter the desired changes and confirm by pressing the OK key.

A window for updating the PLU information, and confirmed by

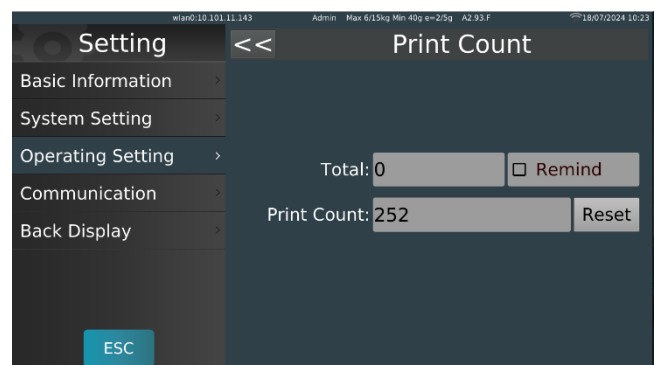
Press the confirmation button.

OFF: The PLU information cannot be edited by a long press. Cannot be updated directly.



8.3.11 Print number

The number of labels printed since the last reset is displayed.



8.3.12. Play sound after product selection

Voice playback function can be switched on/off. This function is not available for all models.

On: The picture is played back, the voice is played back automatically.

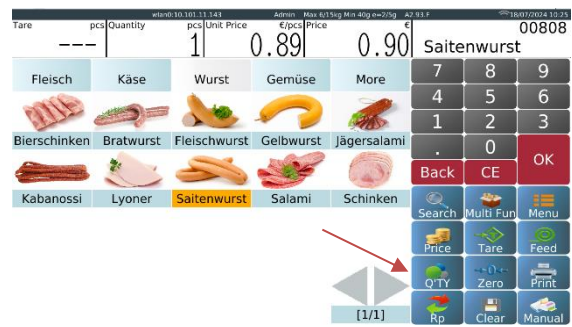
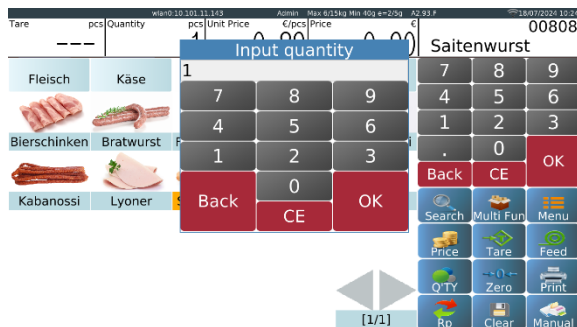
OFF: Voice playback deactivated.

8.3.13. Enter quantity after product selection

Enables manual entry of the quantity after product selection

ON: A window for entering the PLU quantity appears after you have selected a PLU without a weight specification. Enter the quantity and confirm with the "OK" button. Alternatively, the desired quantity can be preselected using the "Quantity" button.

OFF: Manual quantity entry is not possible.



8.3.14. Printing method

Manual printing: Enables manual printing by pressing the PRINT key

Printing at standstill: Printing takes place automatically when the scale is at a standstill. After the scale is unloaded and the next object is placed on it, the next print is performed automatically when the scale is at a standstill.

8.3.15. Labelling mode

Printing process in labelling mode

Print at standstill: Printing takes place automatically when the scale is at a standstill. After the scale is unloaded and the next object is placed on it, the next print is performed automatically when the scale is at a standstill.

Repeat print: Enables the automatic printing of multiple labels when the printed label is removed.

Manual printing: Enables manual printing by pressing the PRINT key


8.3.16. Shelf number

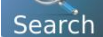
Shelf number on/off, is used for self-service mode.

ON: The shelf number is displayed at the top left of the PLU preview.

OFF: The shelf number is not displayed.

8.3.17. Search by shelf number or PLU number

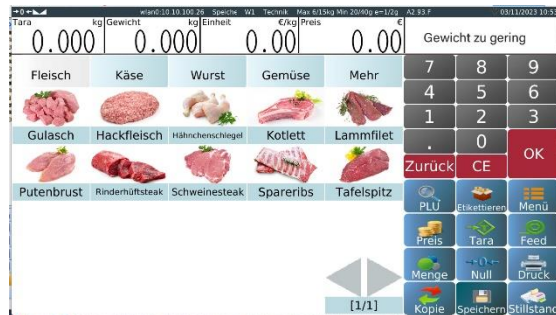
PLU number: Select the product PLU by pressing the key  , search for products according to the PLU number.

Shelf number: Select the shelf number by pressing the key  , search for products according to the shelf number.

8.3.18 Operating prompt

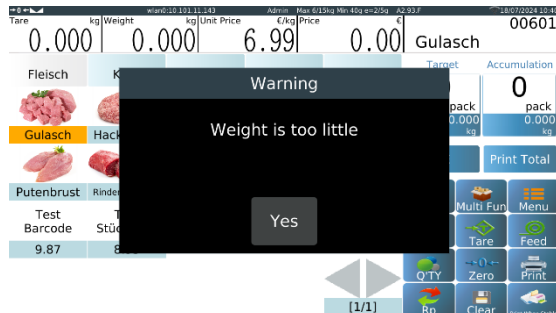
Normal:

If the weight applied is less than 20d, the print function is not available. The message "Weight is too low" appears on the display and disappears after 3 seconds.



Pop-up window:

If the weight applied is less than 20d, the print function is not available. A warning message appears, which must be confirmed by pressing the "Yes" key to return to normal weighing mode.



Close pop-up window automatically:

If the loaded weight is less than 20d, the print function is not available. A warning message appears, which closes automatically after 3 seconds.

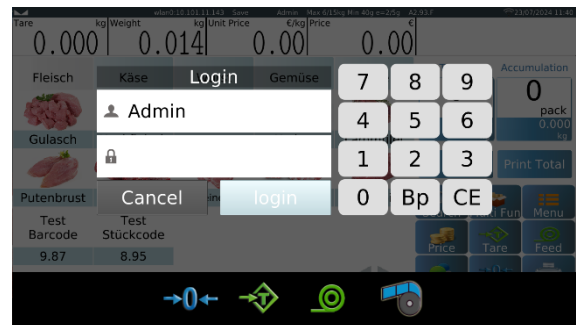


8.3.19. Password request

Switch the password prompt on/off before calling up the main menu.

ON: A password must be entered to access the main menu

OFF: If an account is logged in, there is no longer a password prompt .



8.4.20. Search for

Configuration for scanner input

Product: Scans and calls up the product according to the barcode.

Tare: Scans and tares the corresponding weight value.

8.4.21. Delete auto tare

OFF: If an item is selected that has an auto tare value or if a tare is entered using the "Tare" key, the tare value is retained even after a label has been printed and the scales have been restarted. The tare value can only be cancelled by pressing the "Tare" key again.

After printing: If an item is selected that has an auto tare value or if a tare is entered using the "Tare" key, the tare value is deleted after a label has been printed.

When switching on: If an item with a tare value is selected or a manual tare is entered using the "Tare" key, the tare value is retained until the scales are restarted

8.4.22. Print second label

ON: A second label is printed if a second label format is assigned to the PLU.

OFF: A

A second label is not printed. The standard label format is printed in the scale.

8.4.23. Label report

ON: Each printed label is saved in the database.

OFF: Label printouts are not saved in the database.

8.4.24. Print requests

ON: Before a label is printed, an input window appears in which the label printout must be confirmed.

OFF: The label is printed automatically and without prompting.

8.4.25. Print mode


Labelling mode: Used to print labels with backing paper in labelling mode.

Receipt mode: For printing linerless labels.

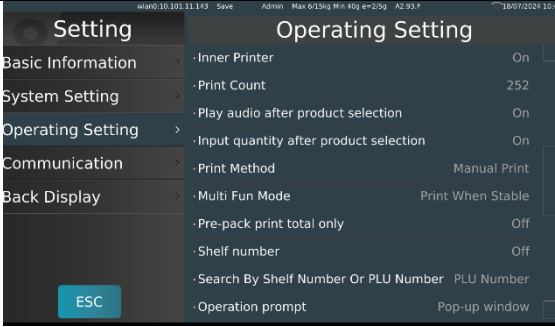
Receipt recycling ON mode: For the use of continuous labels with backing paper.

9. TECHNICAL SETTING



Tap the key  to access the parameter settings. You may be asked to enter a password to access the parameters. The default password is 999999999. Some settings are relevant to calibration and therefore cannot be changed.

Basic information	Window surface	Surface 1	To select different window styles
		Surface 2	
	Display start screen key	A	Show or hide additional keys on the home screen.
		From	
	Barcode decimal	Price decimal	Set price and weight
		Decimal weight	

	places	Piece decimal	decimal in barcode
	PLU length	3	Definition of the PLU length
		4	
		5	
		6	
		7	
		8	
		9	
	Time zone		Not changeable
	Delete labelling reports		To delete the labelling reports
	Execute USB script	Check USB connection	Not available
		Execute script	
	Force pressure	From	Switch forced printing on/off
		On	
	Allow pressure at zero	From	Switch printing on/off for zero sum
		A	
	Print without weight	From	Value cannot be changed
		A	
	Piece weighing	From	Value cannot be changed.
	SB mode	To	Value cannot be changed.
Weighing configuration	Settings cannot be changed		
Calibration	Settings cannot be changed		
Printer setting			

Set print density: To set the colour intensity
Set the print speed: To set the print speed
Rewind On: [Description to be clarified]
Beep sound ON: [Description to be clarified]
Beep sound OFF: [Description to be clarified]
Feed label: When pressed, a blank label is printed to correct the position of the label after a roll change.
Test print: To test the print density and quality of the label, a "chess" format is printed when selected
Switch on: [Description in clarification]
Switch off: [Description in clarification]
Cover on: [Description in clarification]
Cover for: [Description in clarification]
Rewind On: [Description to be clarified]
Rewind Off: [Description to be clarified]
Sensor On: [Description to be clarified]
Sensor Off: [Description to be clarified]
Query printer status: To check the printer firmware
Update: Updating the printer firmware

9.1 Window interface

Used to set the screen display.

Surface 1: alternative representation

Surface 2: Standard setting



Surface 1



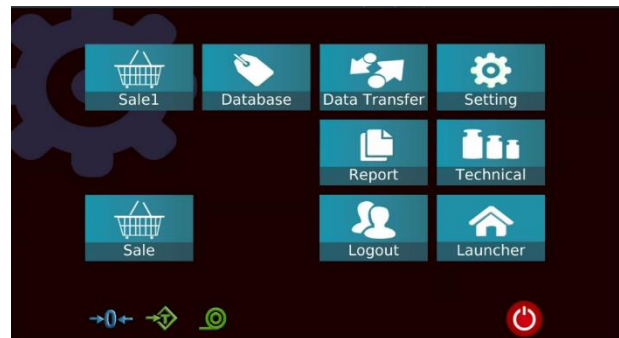
Surface 2

9.2. Start screen

Additional buttons can be shown or hidden on the start screen.

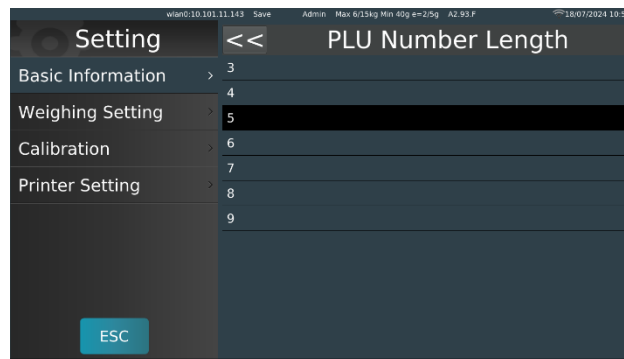
ON: Zero / Tare / Feed / Print mode keys are displayed (not all symbols may be visible)

OFF: The additional symbols are not displayed



9.3 PLU length

1. select the desired PLU length from the list



2. as soon as the PLU length has been changed, the scale displays the new PLU number length.

3. if you select 4, the PLU number is displayed in 4 digits.

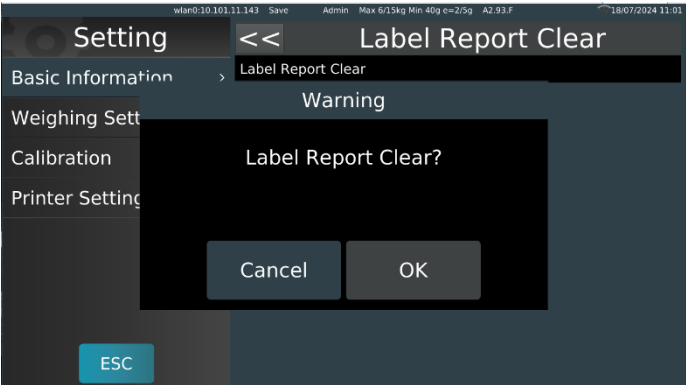
4. if you select 5, the PLU number is displayed with 5 digits, etc.



00404
Blumenkohl

9.4 Delete labelling reports

Tap and select Delete labelling reports. A dialogue box appears in which you tap OK to delete the report data.



9.5. Execute USB script / Backup and restore

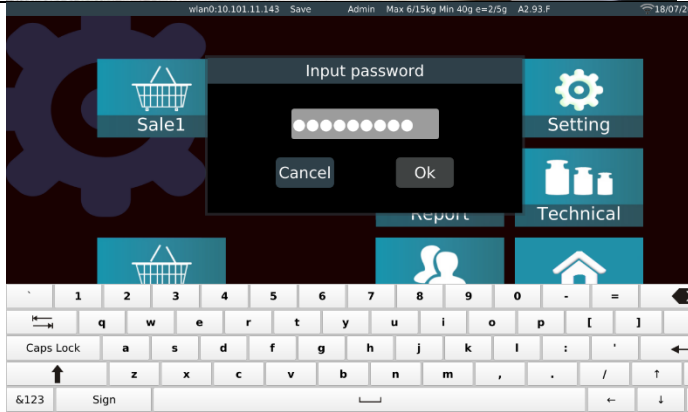
9.5.1 Fuse

<p>1 Copy the script and the programme to the root directory of a USB memory device</p> <p>Note: Do not change the name of the folder and the script, as this may result in a black screen.</p>	<p>The screenshot shows a file explorer interface. On the left, there is a folder icon labeled 'TouchTools' and a file icon labeled 'usb_sh'. On the right, there are two columns of text: the first column shows the date '2020-09-02 8:' and the second column shows the time '2020-09-02 8:'.</p>
--	--

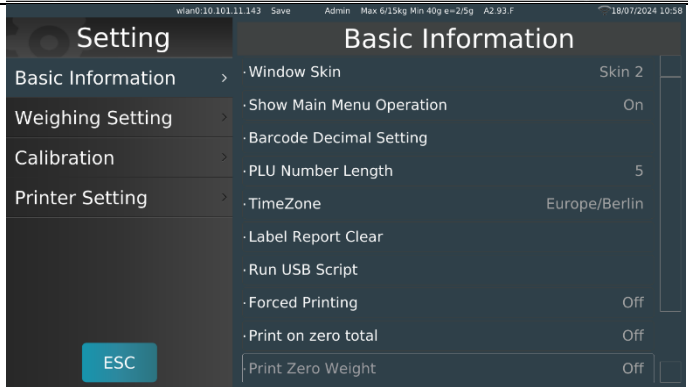
2 Insert the USB memory device into the USB port



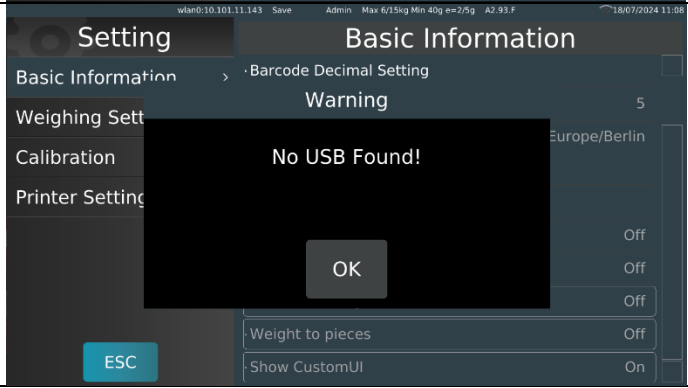
3 Call up the "Technology" menu by entering the password 999999999.
4 Then tap on "OK" to open the menu.

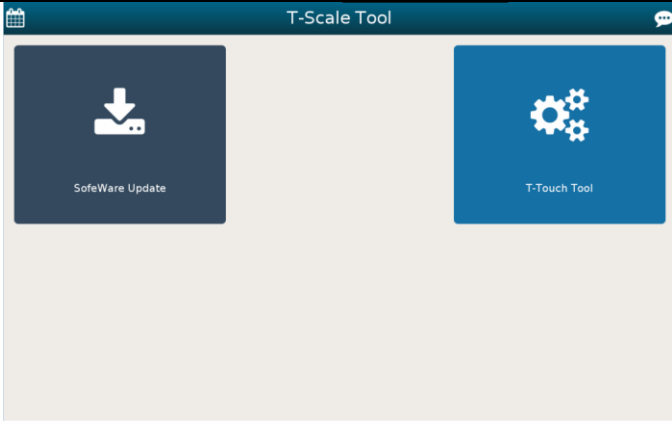
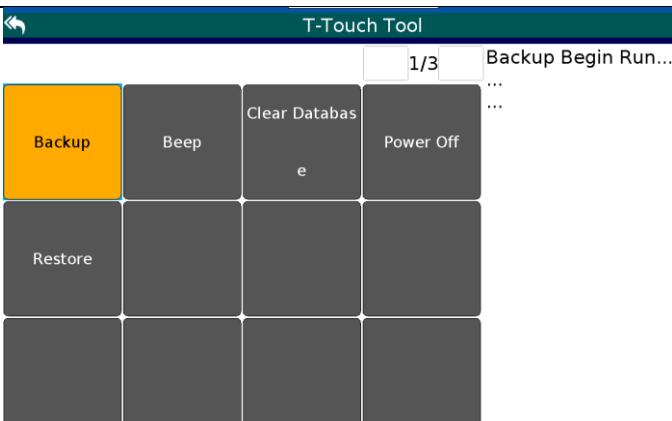
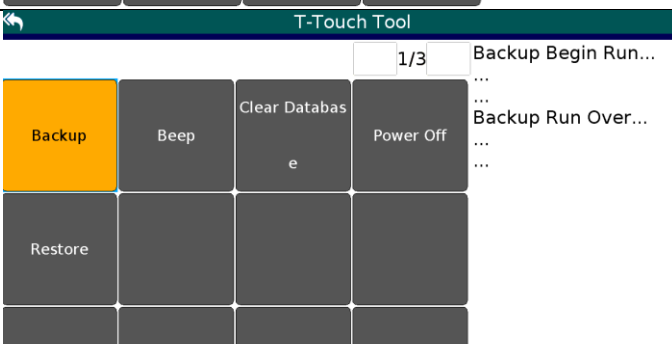


5 Tap on the "Run USB script" submenu.

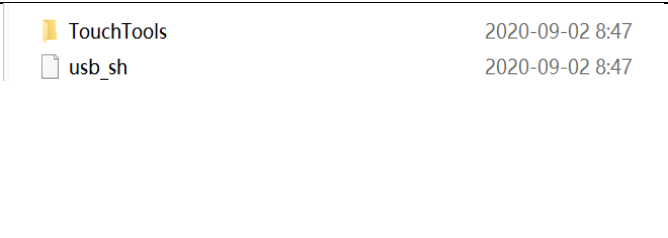


6 Tap on "Check USB connection" to check whether a USB memory device is plugged in.

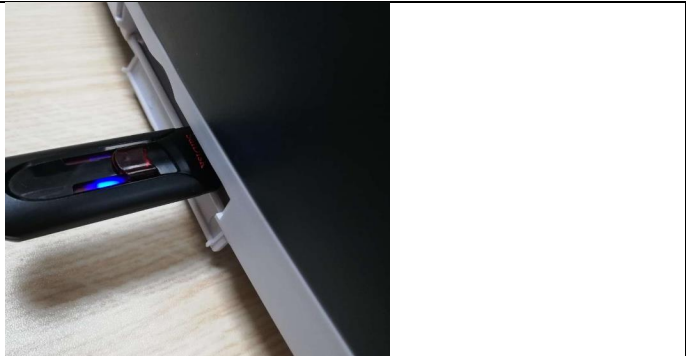


<p>7 If USB Insert is displayed, Tap on "Execute script" and the tool window is displayed</p> <p>8 Tap on "T-Touch Tool" to open the</p>	
<p>9 Then tap on "Backup" to back up the database. The message "Backup begin Run" appears on the display.</p>	
<p>10 Tap the "Switch off" button when the message "Backup run over" appears.</p> <p>11 The scales are switched off and the backup process is completed.</p>	

9.5.2 Restore

<p>1 Copy the script and the programme to the root directory of a USB memory device.</p> <p>Note: Do not change the name of the folder and the script, as this may result in a black screen.</p>	
---	--

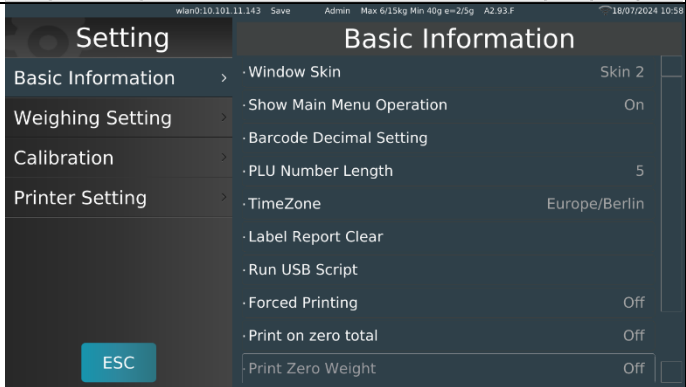
2 Insert the USB memory device into the USB port



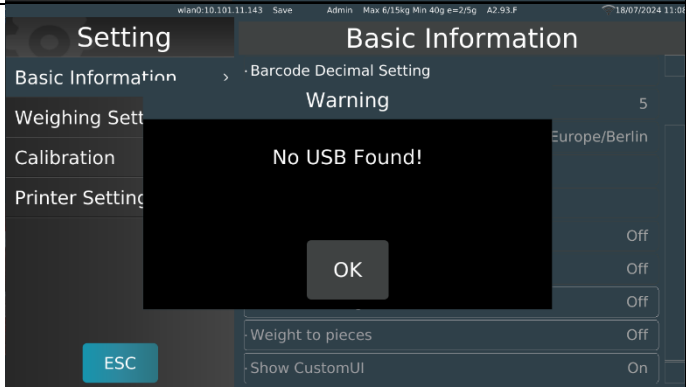
3 Call up the "Technology" menu by entering the password 999999999.
4 Then tap on "OK" to open the page.


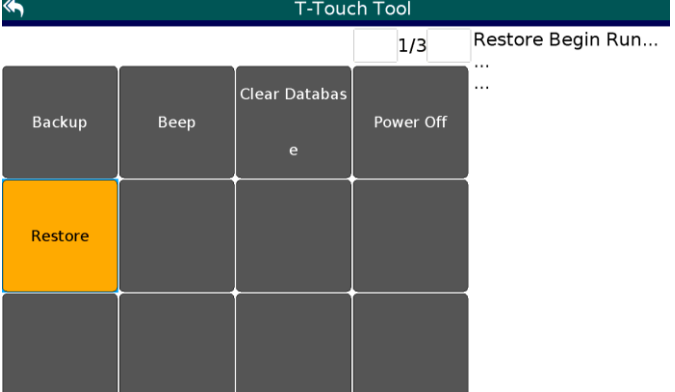
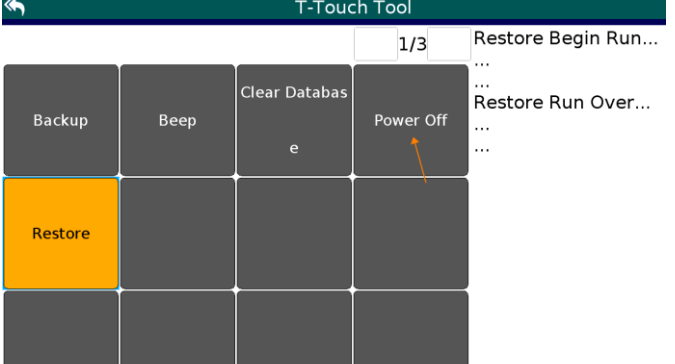


5 Tap on the "Run USB script" submenu.



6 Tap on "Check USB connection" to check whether a USB memory device is plugged in.



<p>7 If USB Insert is displayed, Tap on "Execute script" and the tool window is displayed</p> <p>8 Tap on "T-Touch Tool" to open it</p>	
<p>9 Then tap on "Restore" to restore the database. The message "Restore begin Run" appears on the display.</p>	
<p>10 Tap the "Switch off" button when the message "Restore run over" appears.</p> <p>11 The scales are switched off and the recovery process is completed.</p> <p>12 Remove the USB memory device and switch the device on.</p>	

9.6. Force printing


Switch pressure force on or off

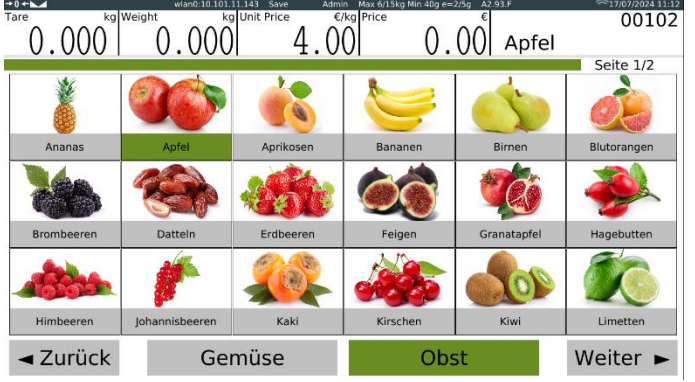


If a label is not removed after printing, tap  and you can print the next label.

Off: If a label is not removed after printing, no further label can be printed and the message "..." appears.

9.7 Allow printing at zero

Switch pressure on or off at zero total.

On: If there is a weight and no total price, tap the button  to print the label.

<p>1. Select a weighed item with a unit price of 0, the display window shows the product name and product number as well as the unit price and weight, the total price is 0</p>	
<p>Tap the button  to print a label.</p>	

Off: No labels can be printed if the total price is zero.

10. Technical data

10.1 General specification

MODEL	1422	1222
Display	10" touch display	15" touch display
Display resolution	1280*800 px	1366*768 px
Maximum capacity	6kg/15kg; 15kg/30kg	
Min. capacity	40g; 100g	

Readability	2g/5g; 5g/10g	
Max. pitches	2x3000e	
Weighing units	kg, g	
Size of the scale	280x385 mm	
Accuracy class	Class III	
Housing	ABS plastic housing and stainless steel platform	
Touch control mode	Resistive screen	Capacitive screen
CPU	A17 Quad Kern	
OS	LINUX	
Interface	2 x RS232; 1 x RJ11; 4 x USB2.0; 1 x RJ45; WIFI	
Operating	-10°C to 40°C	
Operation Humidity	<85%	
Stabilisation time	1 second typical	
Electricity	100~240VAC power cable; Optional adapter: Output: DC 24V/6350mA	
A/D converter	Sigma delta	
Internal counts	600,000	
A/D converter updates	Maximum 60 times/second	
Load cell control voltage	Maximum 5V/150mA	
Net weight	11 kg	12 kg
Gross weight	12 kg	13 kg
Dimension	L 509 x W 532 x H 572	L 398 x W 389 x H 615mm

10.2 Printer specification

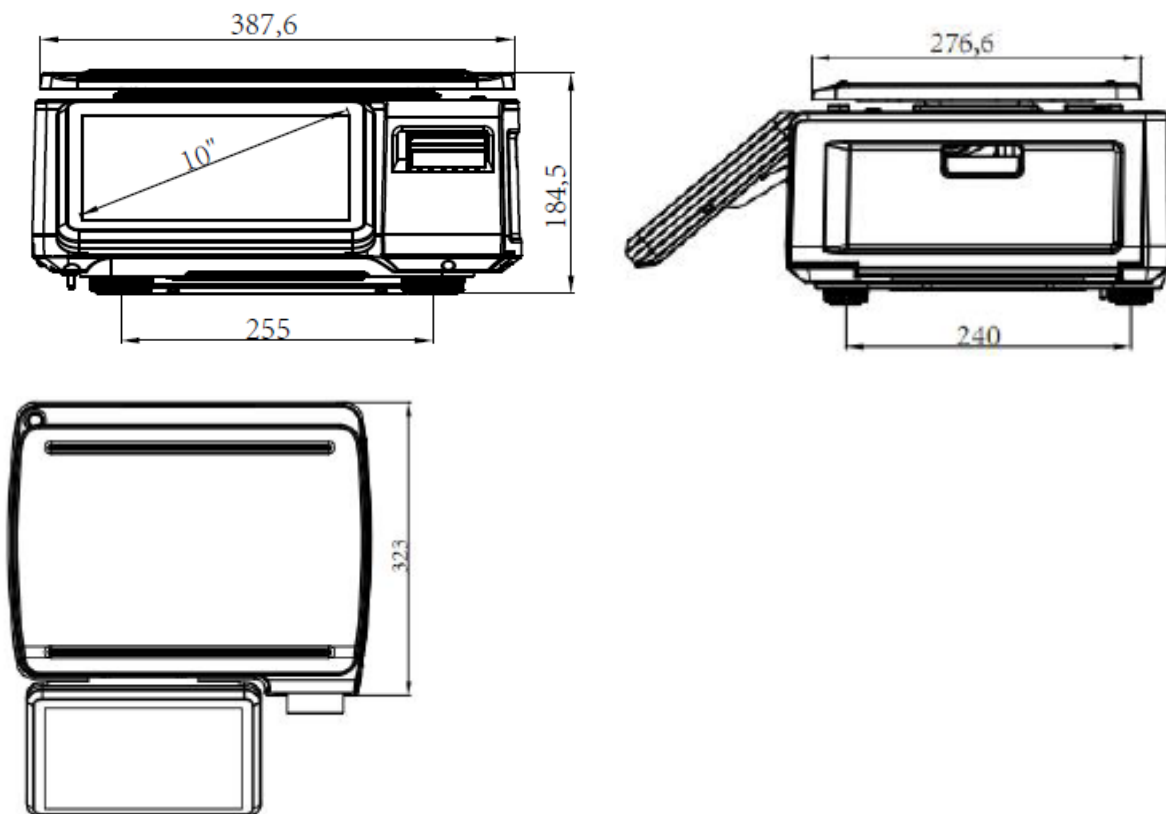
Feature	Description of the
Printer type	Label printer
Printing process	Direct thermal
Print speed	125mm/s
Label roll	Maximum outer diameter of the roller: 100 mm Inner diameter of the roller:40mm Maximum label width: 60 mm

Label printing area	56 x 110 mm (maximum width x length)
Resolution	8points/mm
Print type	Graphics, logo, large/small font, different fonts and font sizes, EAN barcodes, QR code

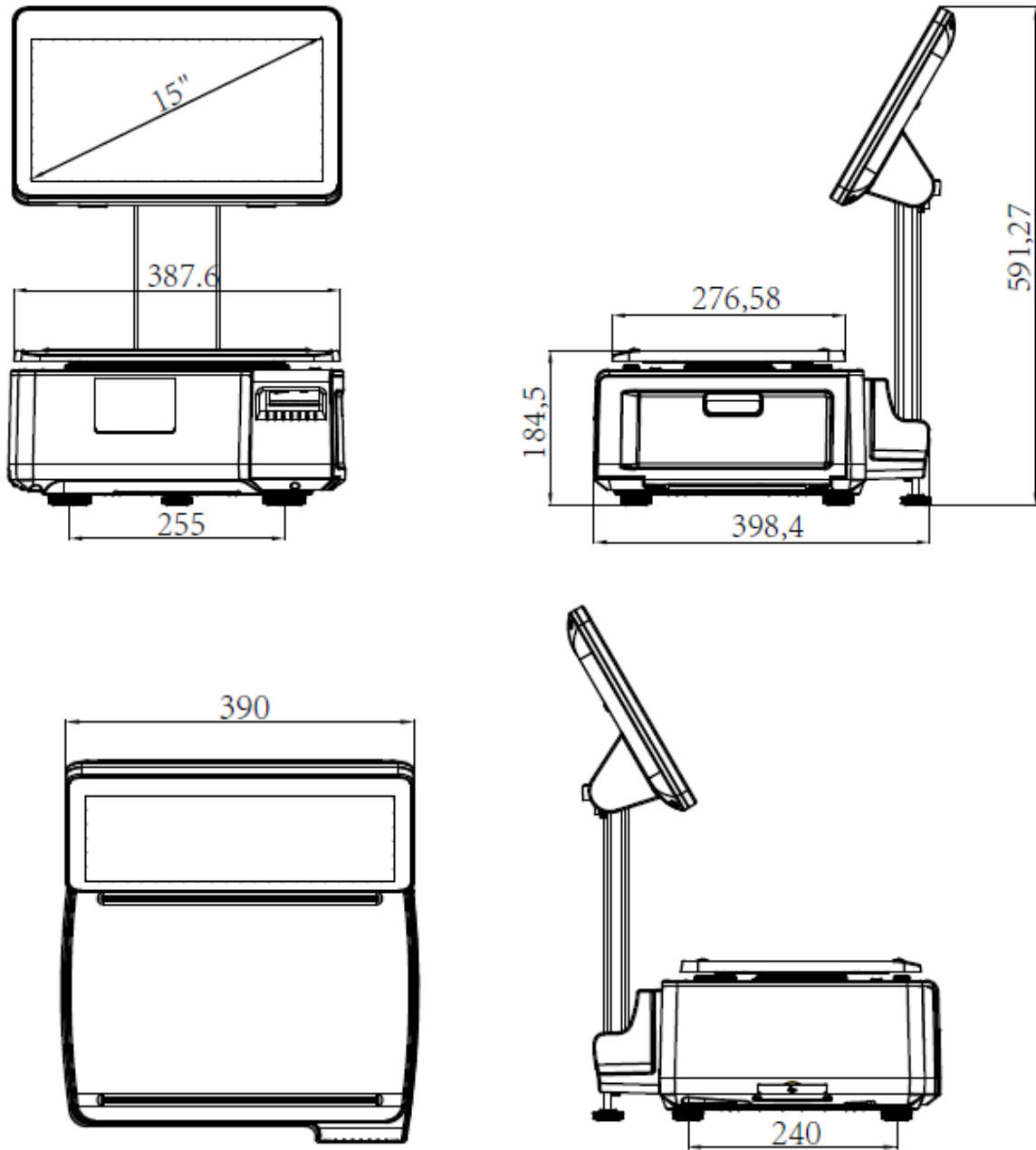
****Specifications are subject to change without notice.*

10.3 Overall dimensions

10.3.2. 1222



10.3.3. 1422



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