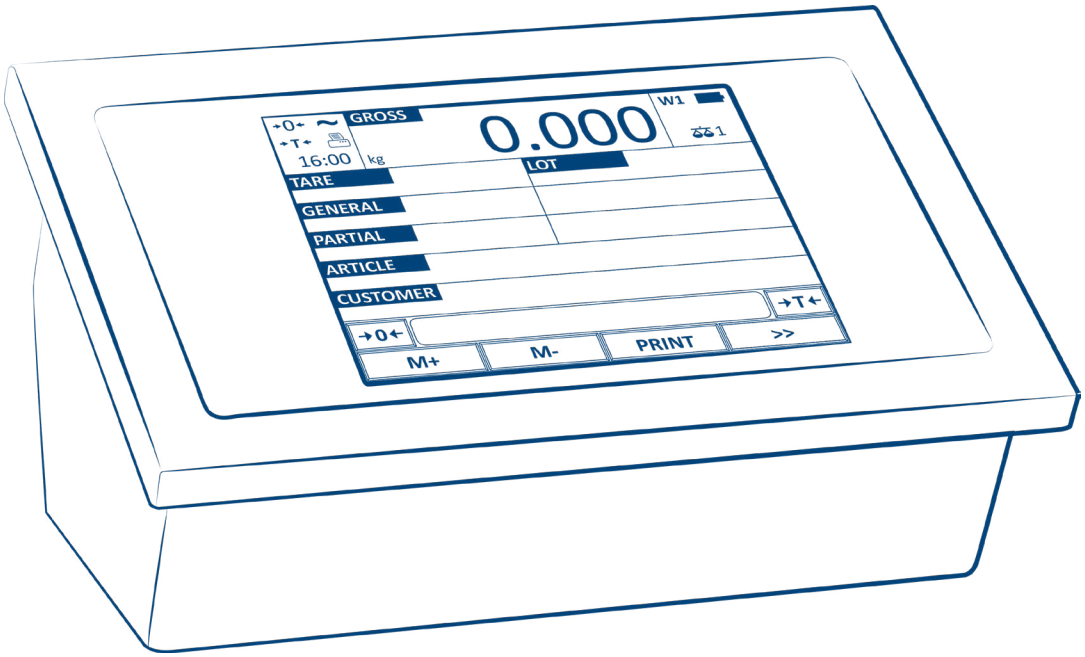
DINI ARGEO
Scales - Weighing systems

AF01GT

Program for totalisation

USER MANUAL - v5 **ENGLISH**



For 3590 series touch screen indicators

www.diniargeo.com

FUNCTION INDEX

Display - Main screens

Totalisation

Manual totalisation	A-1
Totalisation via an external button or pedal	A-2
Automatic totalisation	A-3
Totalisation with multiple scales	A-4
Totalisation with weight limits	A-5
Weight check and totalisation	A-6
Totalisation with relay activation for automations	A-7
Totalisation with database	A-8
Vertical totalisation / Formulation	A-9
Cancellation of last weigh performed	A-10

Weighing functions

Tare	B-1
Tare cancellation	B-2
Preset tare	B-3
Multi-tare management	B-3
Unlocked tare (automatic tare cancellation)	B-5
Zero scale	B-6
Weight view zoom	B-6
High-resolution weight	B-7
Managing work shifts	B-8
Calculator	B-8
Operation with multiple scales	B-10

Scale databases

1000 article database	C-1
Article selection by image	C-3
Article selection via bar code reader	C-4
Article database fields	C-5
200 customer database	C-5
Entering weigh identifying text	C-6
Customer database fields	C-7
Preset 300 tare database	C-8
Password to access the database	C-10
Filling out database from PC with “DBManager”	C-10

Total accumulated weight management

Generic totals	D-1
Production monitoring over time	D-1
Labelling and packaging	D-2
How to print and reset the partial total	D-3
How to print and reset the general total	D-4
How to print and reset the grand total	D-4
Database totals	D-5
How to print and reset the total per individual article	D-5
How to print and reset the total of handled articles	D-6
How to print and reset the total per individual customer	D-7
How to print and reset the total of handled customers	D-8
How to view the summary of accumulated totals	D-9
How to reset all totals	D-10
Progressive counters	D-11
Selecting the number of counter digits	D-12
Counter with free progressive value (additional value)	D-12
Setting the initial value of the ticket counter	D-13
Lot counter reset	D-13

Data printing / Communication / Transmission

Simple print	E-1
Printing at each weigh	E-2
Customisable print format	E-2
Multi-copy printing	E-2
Automatic printing	E-3
Repeat last printing	E-4
How to print and reset generic packing lists	E-5
How to print and reset packing lists per article	E-5
How to print and reset packing lists per customer	E-6

Saving the weighs

Real time saving on portable USB device	F-1
Saving on alibi memory	F-2
Alibi memory reading	F-3
Saving weighs to PC via “WeiMonitor” program	F-4

Customising the weight indicator

Operating sequences	G-1
Operating messages	G-2
Application program	G-2
Customising the communication protocol	G-2
Fully customisable work screens	G-3
Customising the language / text	G-3

Managing automations

Setpoint / dosage H-1
Digital inputs H-2
Optional 4-20mA analogue 0-10V interface H-3
Expanding inputs and outputs H-3
Expanding power supply range H-3
Timed relays H-4

Adjustments

Adjusting the date and time I-1
Adjusting the display brightness I-1
Weighing speed (weighing filter) I-2
Visual weight check in multiple colours I-3

Statistics

Calculation of average and standard deviation for statistics J-1

Safety

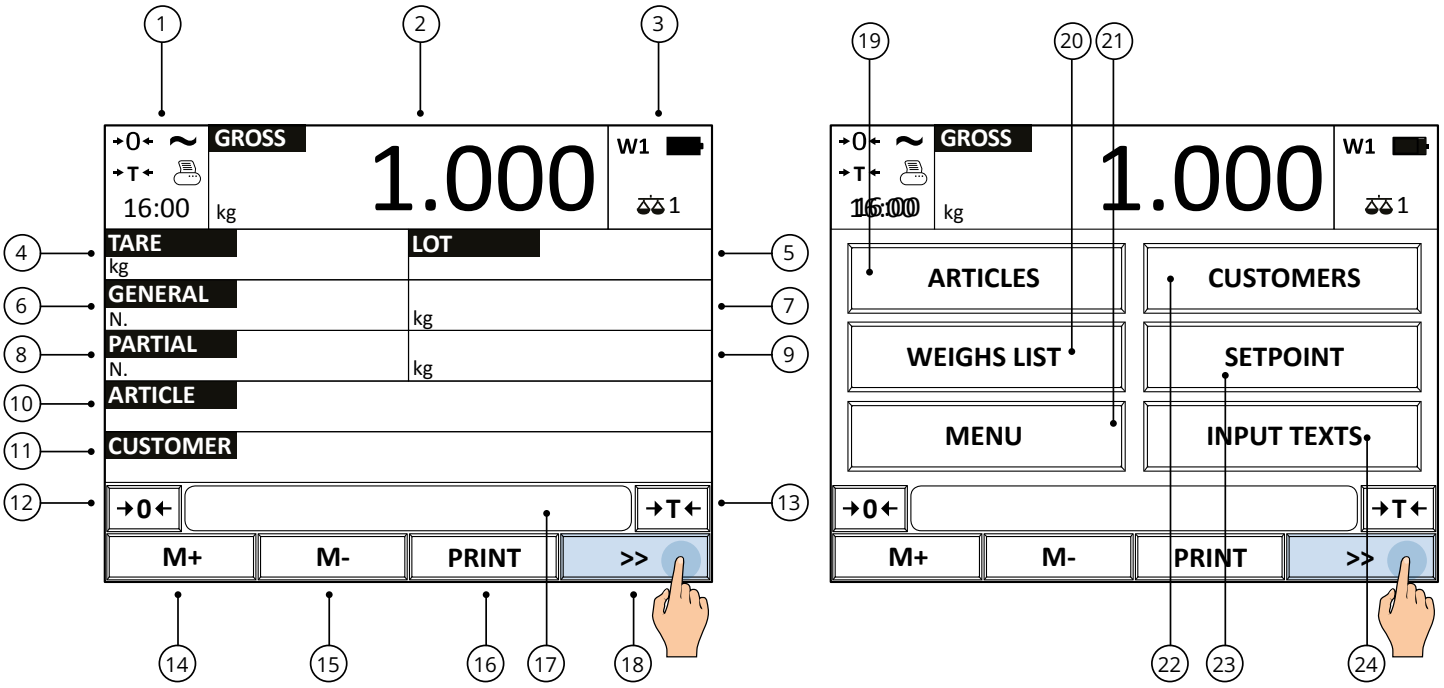
Backup and restore from PC via “Dinitools” program J-1
Backup and restore from indicator J-1
Password to access the setup menu J-1
Password to access database J-1
Password to access function J-1
Log in to use the scale J-2
Quick diagnostic menu J-2
Last 10 operations log J-2
External weighing enable consent J-3

Identification of the metrological software

FAQ - Frequently Asked Questions

Messages and errors

Display - Main screens



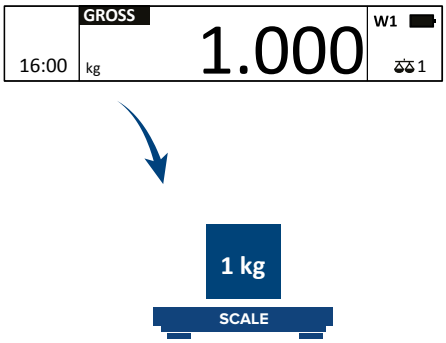
Button	Function
(1)	Setting date and time.
(2)	Net / gross weight display / zoom.
(3)	Scale change.
(4)	Preset tare (PT).
(5)	Lot setting (maximum 32 characters).
(6,7)	General total: weighs no. / weight.
(8,9)	Partial total: number of weighs no. / weight.
(10)	Article selection.
(11)	Customer selection.
(12)	Zero scale.
(13)	Semi-automatic tare.
(14)	Totalisation.
(15)	Cancellation of the last totalisation.
(16)	Simple printing (no accumulation).
(17)	Message bar.
(18)	Screen change.
(19)	Filling out / editing article database.
(20)	Generic packing list.
(21)	Additional function menu.
(22)	Filling out / editing customer database.
(23)	Weight thresholds / setpoint configuration.
(24)	Filling out / editing free text database.

Symbol	Description
→0←	Zero (gross) condition.
→T← PT	There is an automatic (→T←) or manual (**PT**) tare.
~	The weight is unstable.
	Printing in progress / printer anomalies.
W1 W2 W3	Indicate the range of active weighing.
	Powered / Battery level
1 2 3 4 R	Active scale.

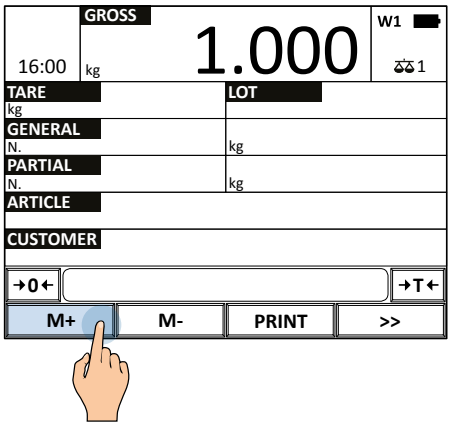
Manual totalisation

USE	Allows you to manually sum multiple consecutive weighs.
ACTIVATION	Standard active function.

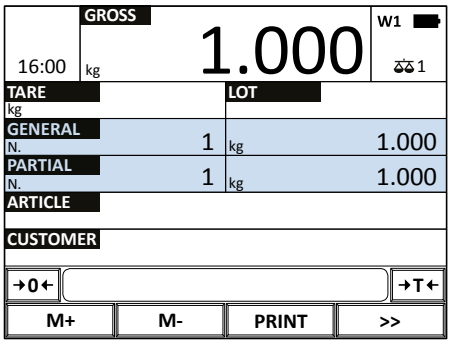
1.



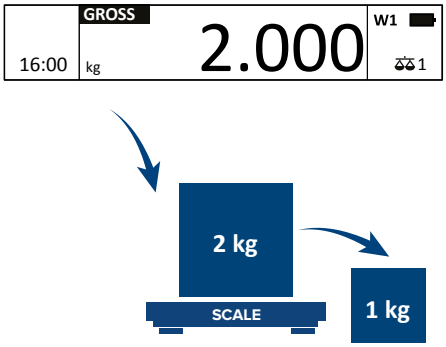
2.



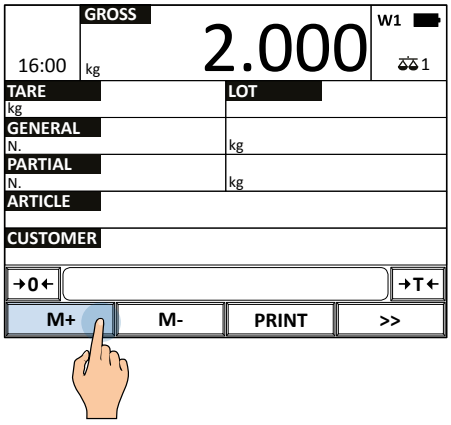
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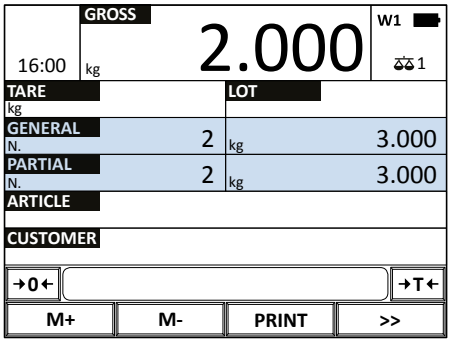
4.



5.



6.



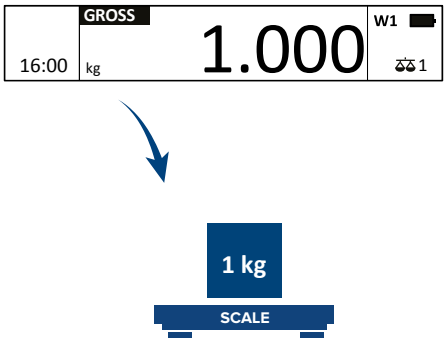
HOW TO PROCEED?

Print and reset totals. *From (D-3) to (D-7)*
Print the packing list of weighs performed. *From (E-5) to (E-6)*
Check the summary of accumulated totals. *(D-1)*

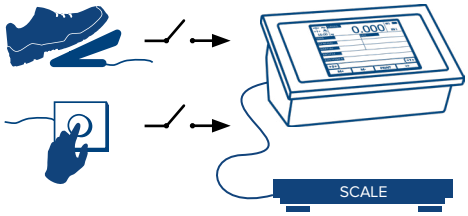
Totalisation via an external button or pedal

USE	Allows you to add multiple consecutive weighs without touching the display.
APPLICATIONS	• Working in harsh or dirty environments. • Totalise, leaving your hands free to do other tasks.
ACTIVATION	It requires advanced configuration.

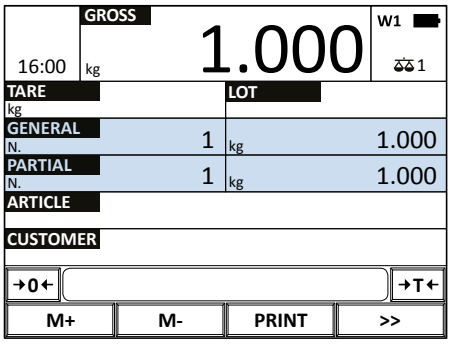
1.



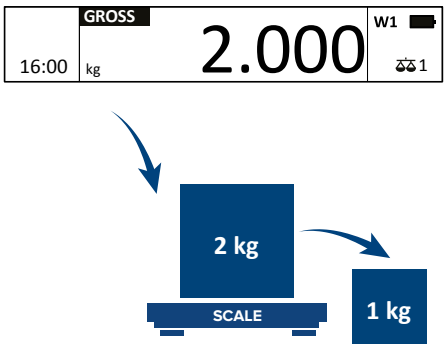
2. Press the button / pedal to totalise



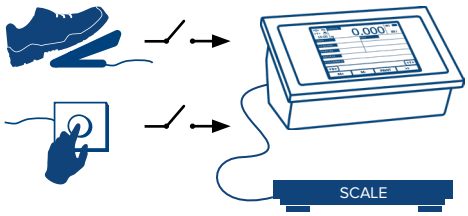
3.



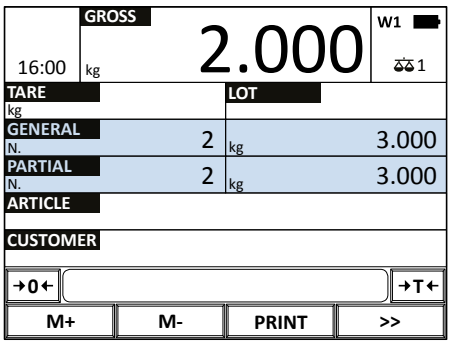
4.



5. Press the button / pedal to totalise the next weigh



6.



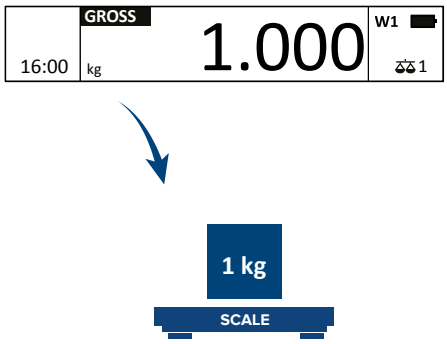
HOW TO PROCEED?

Print and reset totals. *From (D-3) to (D-7)*
Print the packing list of weighs performed. *From (E-5) to (E-6)*
Check the summary of accumulated totals. *(D-1)*

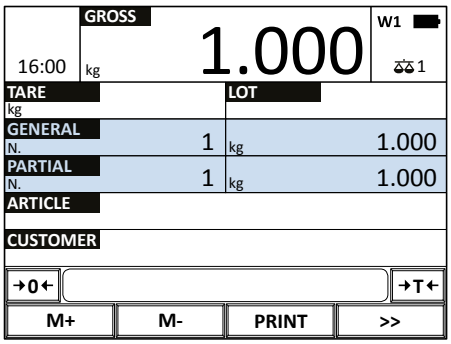
Automatic totalisation

USE	Allows you to quickly and automatically sum multiple consecutive weighs without touching the display. The sum is done when the weight is stable.
APPLICATIONS	• Perform many totalisations in a short time. • Automate the production cycle.
ACTIVATION	It requires advanced configuration.

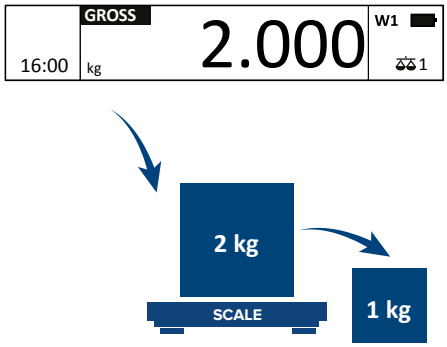
1.



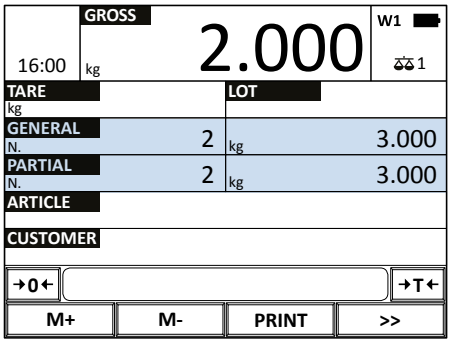
2.



3.



4.

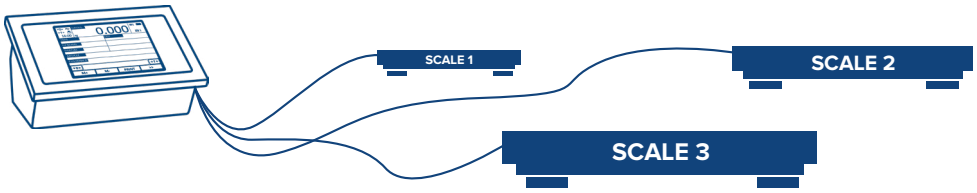


HOW TO PROCEED?

Print and reset totals. *From (D-3) to (D-7)*
Print the packing list of weighs performed. *From (E-5) to (E-6)*
Check the summary of accumulated totals. *(D-1)*

Totalisation with multiple scales

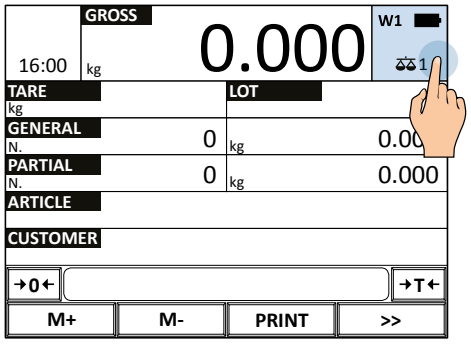
USE	Allows you to sum multiple consecutive weighs with different precisions depending on weight and size of the objects to be weighed.
APPLICATIONS	Logistics / Warehouse
ACTIVATION	It requires advanced configuration.



The indicator is standard fitted to connect up to 5 scales with different capacities and accuracies.

Example

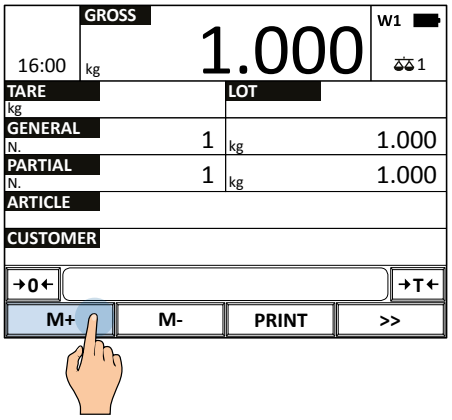
1. Select the scale



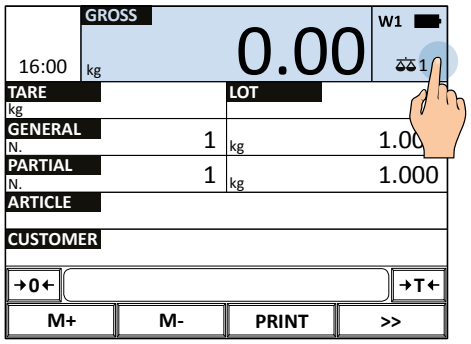
2.



3.



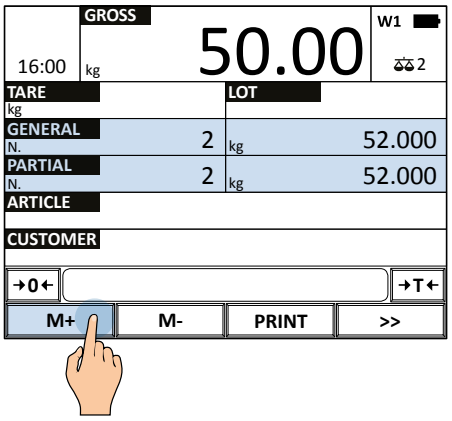
4. Change scale



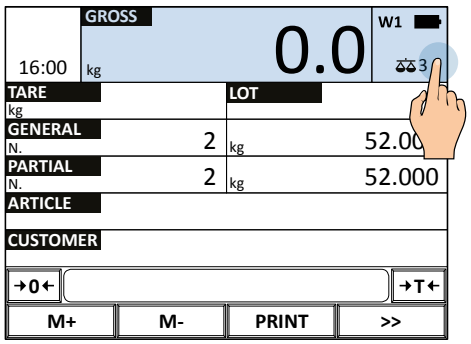
5.



6.



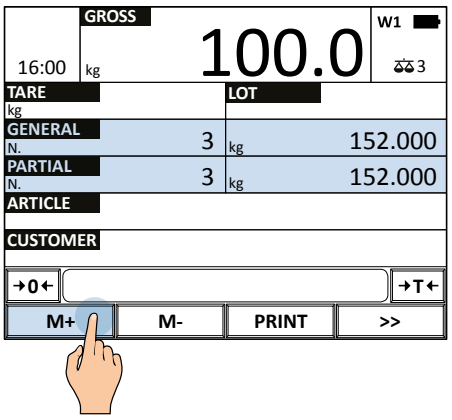
7. Change scale



8.



9. The total increases in real time



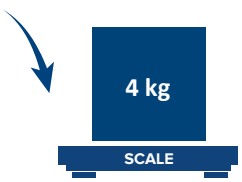
- You can create direct selection buttons for each scale connected to the indicator. *(G-3)*
- The number of decimal places of the total is common to all scales and is configurable.

Totalisation with weight limits

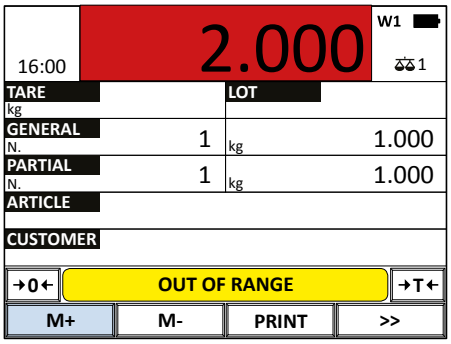
USE	Useful to limit the totalisation field, in order to avoid summing weights that are too small or too large.
APPLICATIONS	Check the correct quantity within a package before summing the weigh.
ACTIVATION	Standard active function.

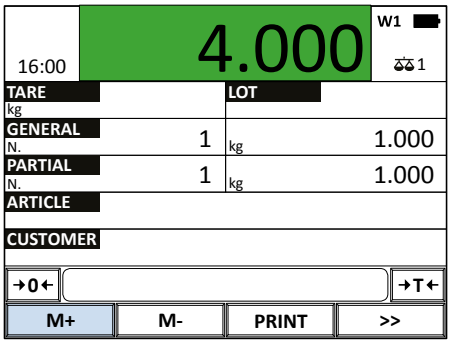
Example of operation with totalisation field limit between 2.500 kg (minimum) and 4.500 kg (maximum)

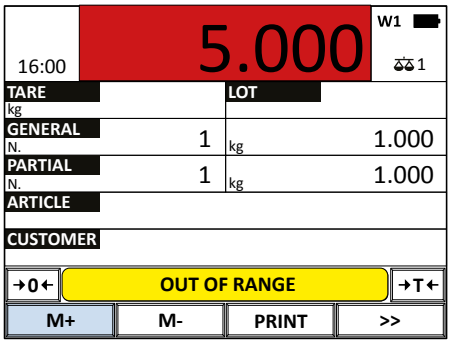










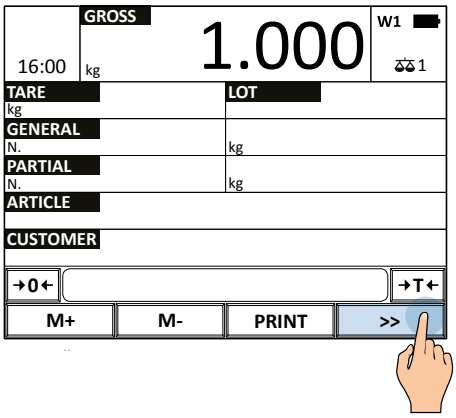


i

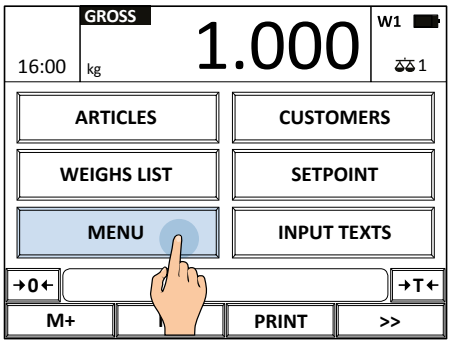
Available both for manual and automatic totals.
The set thresholds apply to any article and any active scale.
See also totalisation with tolerance check *(A-6)*.

How to set thresholds

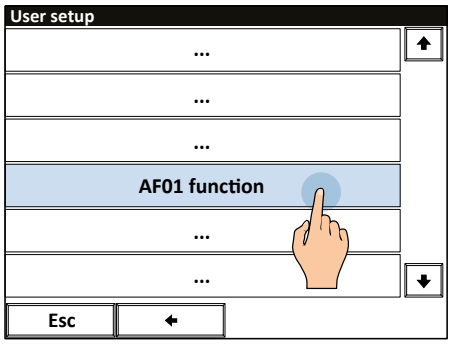
1.



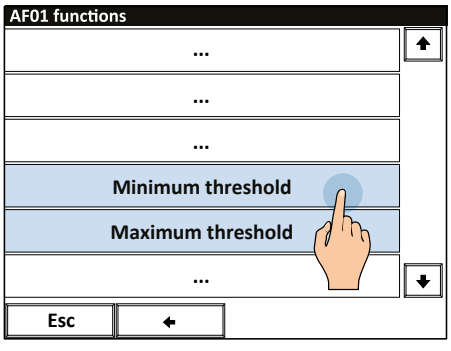
2.



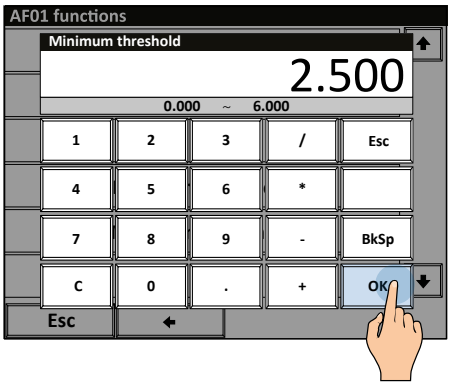
3.



4.



5. Enter the check thresholds and press OK to confirm

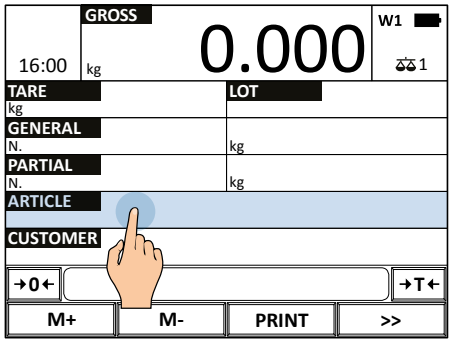


Weight check and totalisation

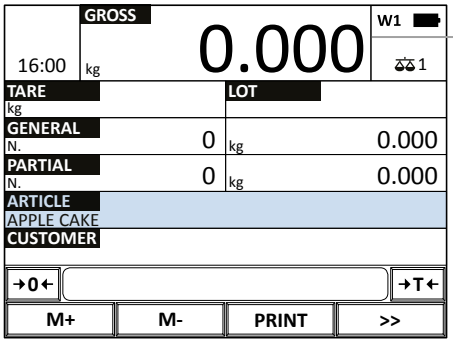
USE	Allows you verify in real time whether the weight falls within the set tolerance range, useful to accumulate only tolerance weighs. The tolerance range can be generic or different for each article.
APPLICATIONS	Real time production check.
ACTIVATION	Standard active function.

Example of check with article selection

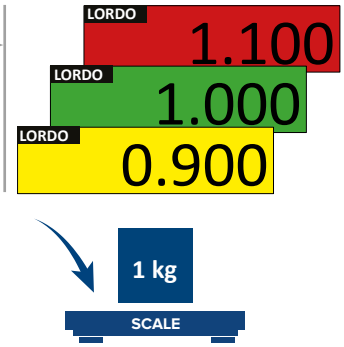
1.



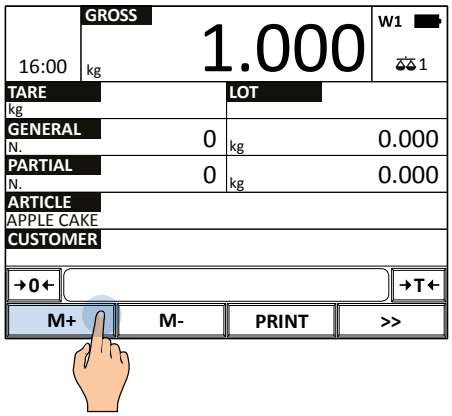
2. Selecting the article activates the check



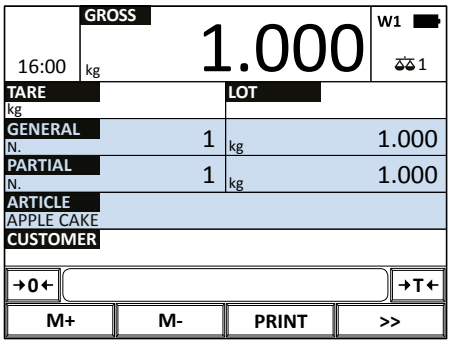
3. Weight check in real time



4.



5.



REQUIRED CONFIGURATIONS

How to activate visual weight check *(I-3)*

How to set generic check thresholds *(I-3)*

How to set different control thresholds for each article *(I-3)*

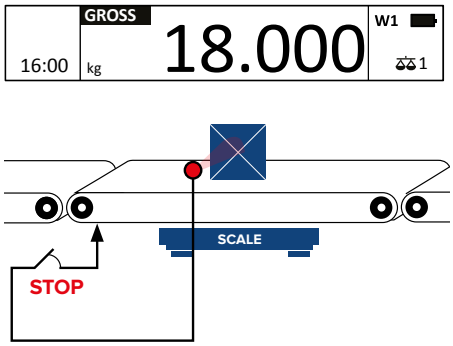
HOW TO PROCEED?

Print and reset totals. *From (D-3) to (D-7)*
Print the packing list of weighs performed. *From (E-5) to (E-6)*
Check the summary of accumulated totals. *(D-1)*

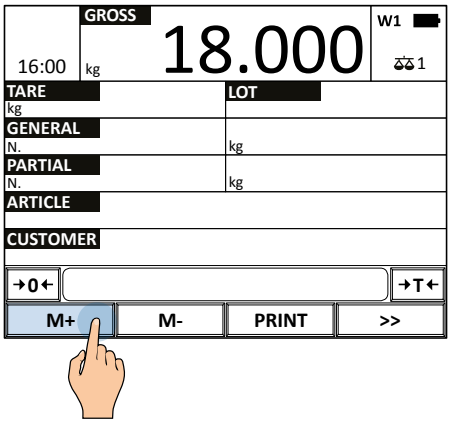
Totalisation with relay activation for automations

USE	Once the totalisation has been done, it is possible enable one or more relay outputs to manage actuators (motors, lamps, etc.)
APPLICATIONS	Totalisations on automated lines / alerts to the operator / consents.
ACTIVATION	It requires advanced configuration.

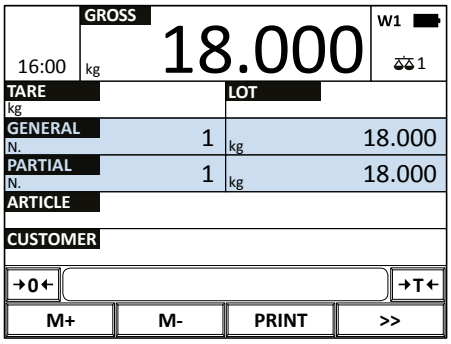
1.



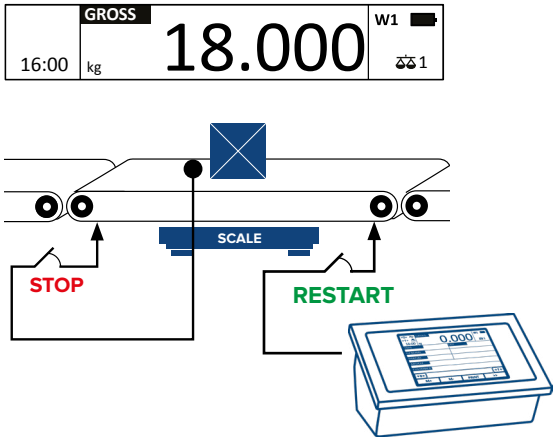
2.



3.



4.



i This feature is also available with automatic totalisation.

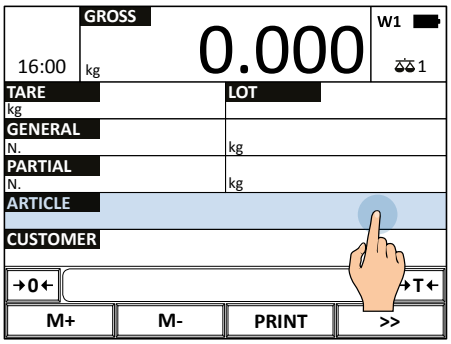
HOW TO PROCEED?

Print and reset totals. *From (D-3) to (D-7)*
Print the packing list of weighs performed. *From (E-5) to (E-6)*
Check the summary of accumulated totals. *(D-1)*

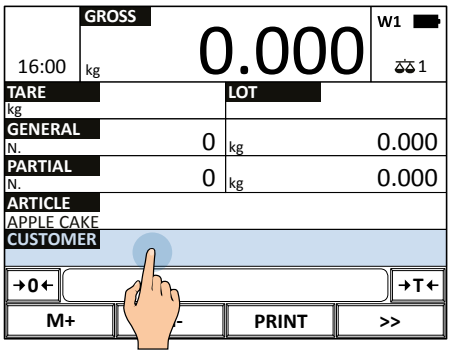
Totalisation with database

USE	Allows you to sum weighs for each selected article and customer. The total of each article / customer can be printed / reset independently.
APPLICATIONS	Production / Labelling
ACTIVATION	Standard active function.

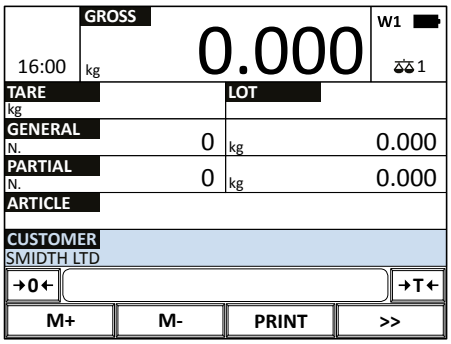
1.



2.



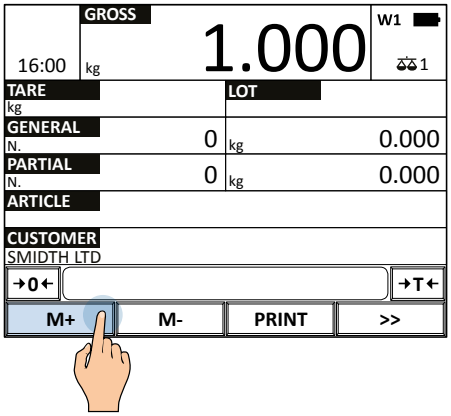
3.



4. Carry out the necessary totalisations



5.



Each accumulated weigh is summed to the total of the article and customer selected.
It is possible to check the total accumulated summary at any time *(D-5)*.

HOW TO PROCEED?

Print and reset totals. *From (D-3) to (D-7)*
Print the packing list of weighs performed. *From (E-5) to (E-6)*
Filling out article database. *(C-1)*
Filling out customer database. *(C-5)*
Check the summary of accumulated totals. *(D-9)*

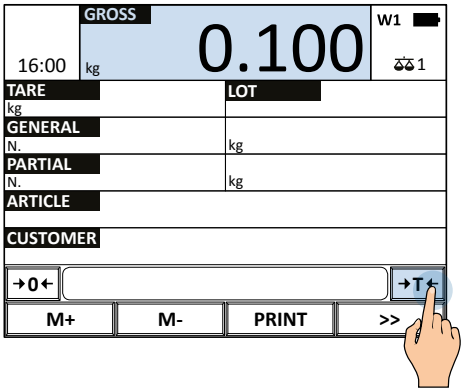
Vertical totalisation / Formulation

USE	Allows you to accumulate consecutive weighs without unloading the scale between one weigh and the other.
APPLICATIONS	Formulation / Manual dosage
ACTIVATION	Standard active function.

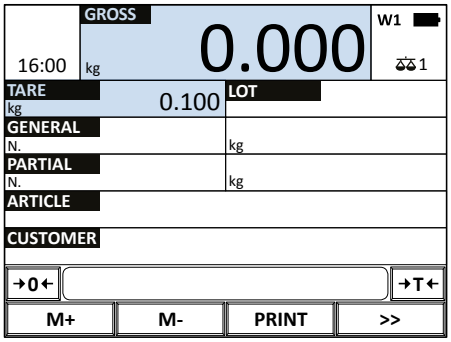
1.



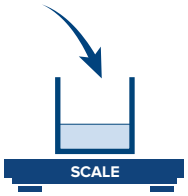
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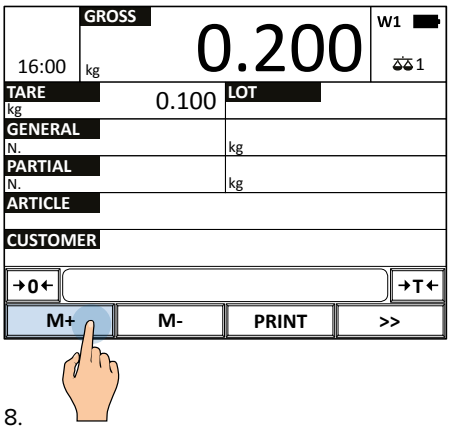
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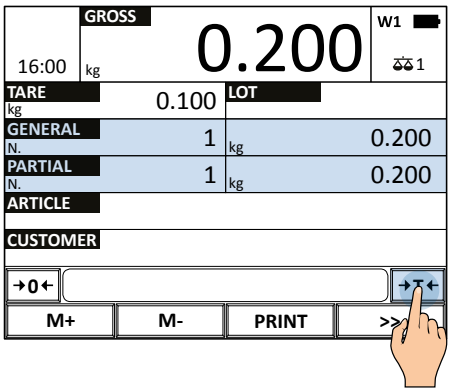
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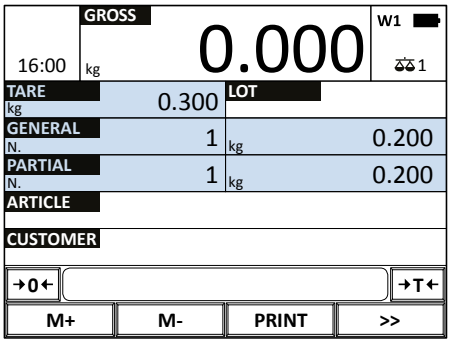
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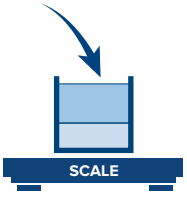
6.



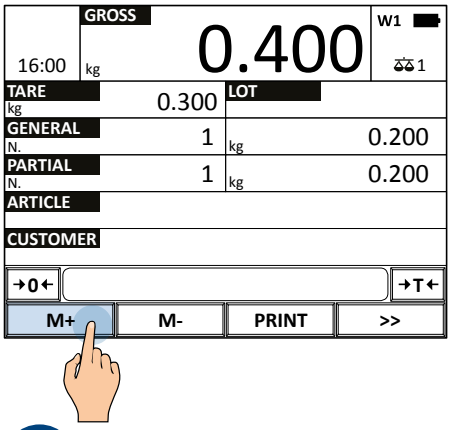
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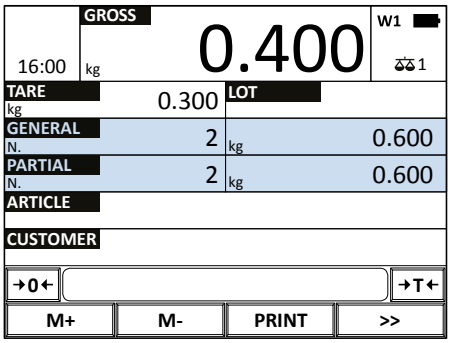
8.



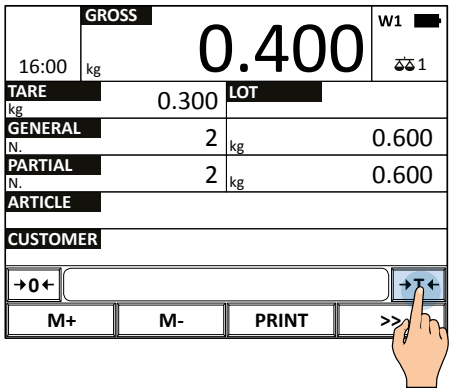
9.



10.



11.



To conclude the formulation, repeat the totalisation and tare operations for each subsequent product.

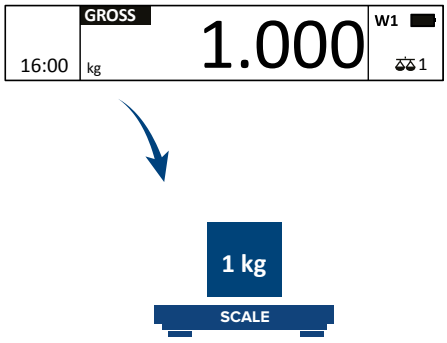
The tare for each weigh can be automatic (requires advanced configuration).

The weight of the container can be viewed / printed individually (requires advanced configuration).

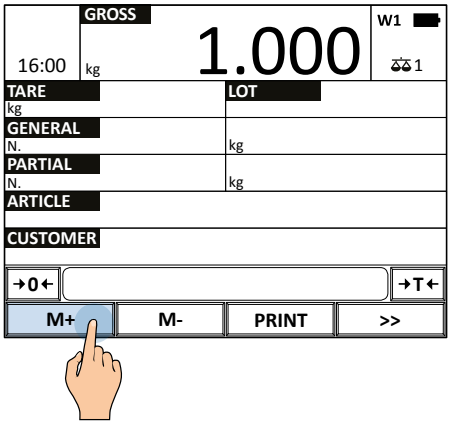
Cancellation of last weigh performed

USE	Allows you to cancel the last weigh done, subtracting it from the total.
ACTIVATION	Standard active function.

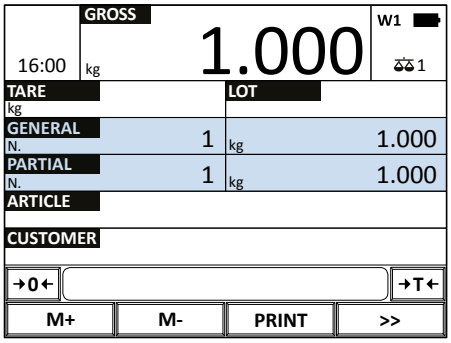
1. Example of weigh



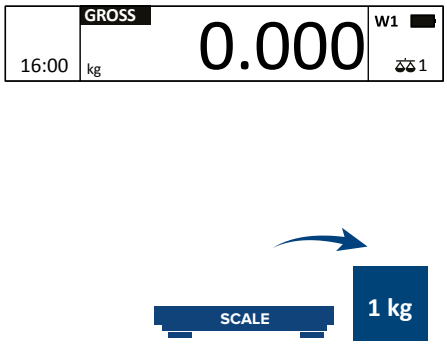
2.



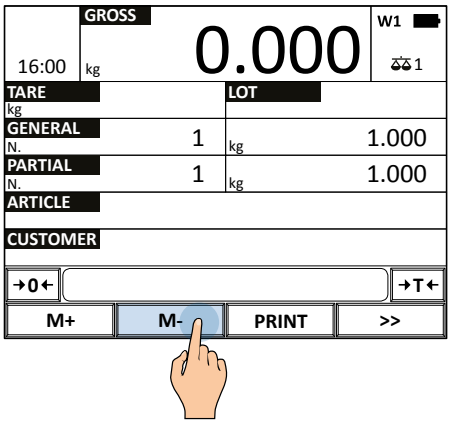
3.



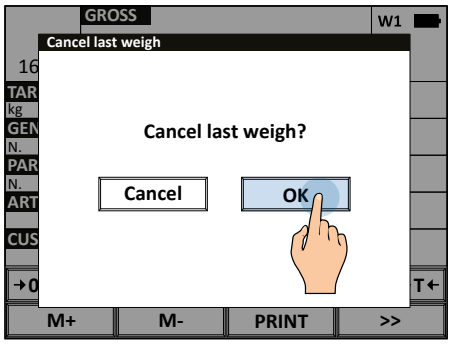
4. Cancellation of weigh



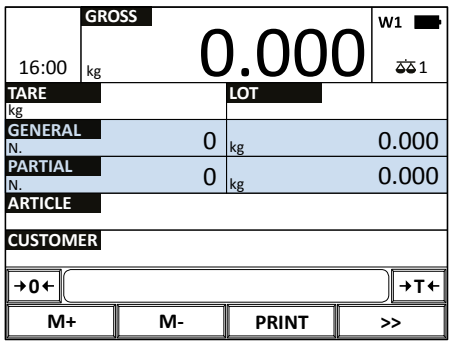
5.



6. Press OK to delete last weigh



7.



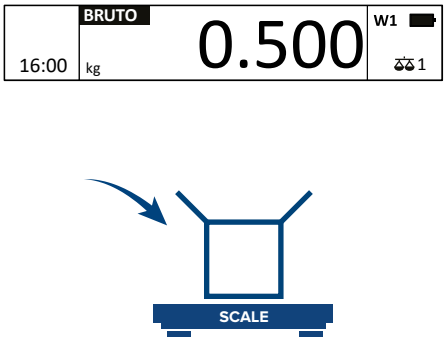
i

If one or more database records have been selected, the weigh will be cancelled also from the corresponding totals.

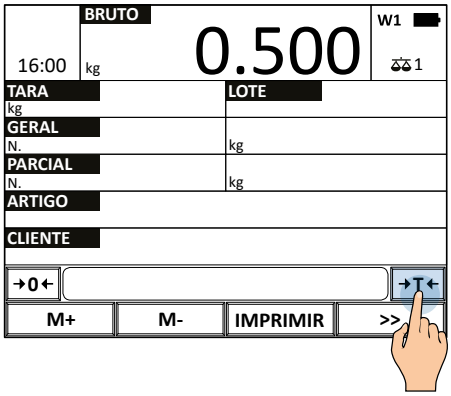
Tare

USE	Allows you to reset the container to get the net weight.
APPLICATIONS	General weighing.
ACTIVATION	Standard active function.

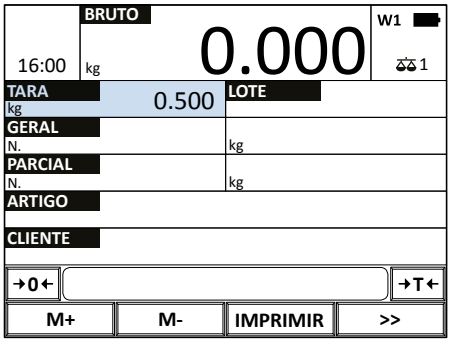
1.



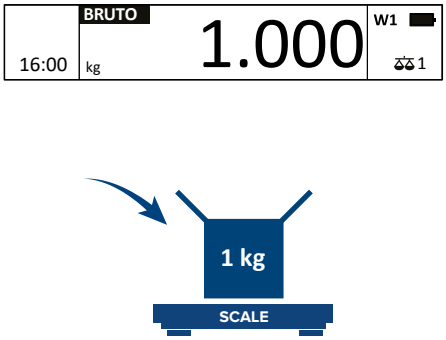
2.



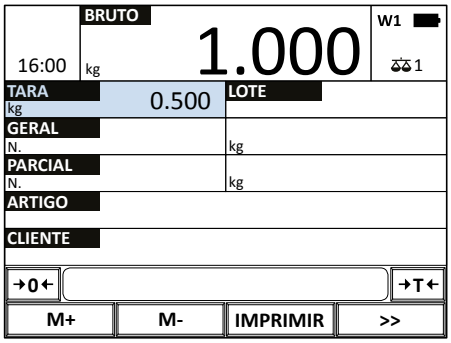
3.



4.



5.



Tare cancellation

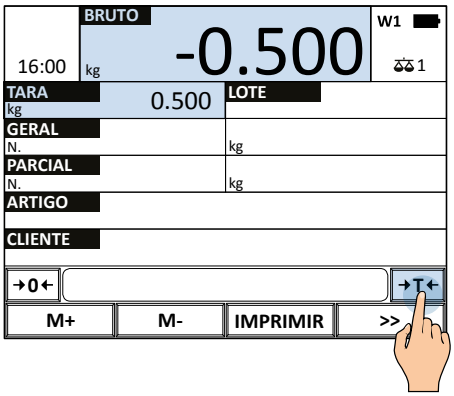
USE	Allows you to cancel the set tare.
APPLICATIONS	General weighing.
ACTIVATION	Standard active function.

How to cancel tare with scale unloaded

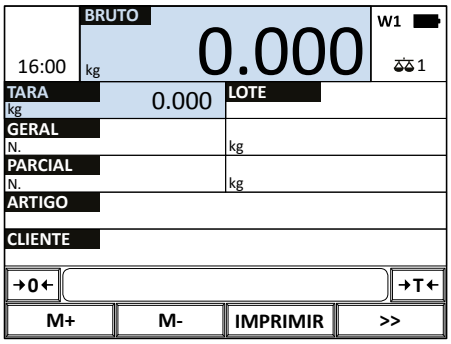
1.



2.

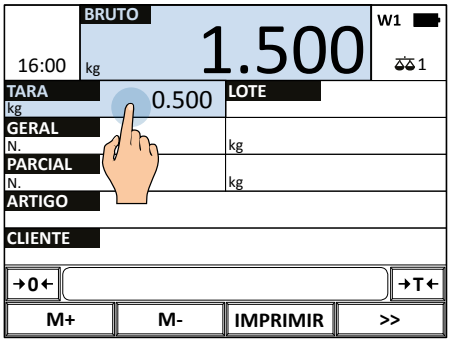


3.

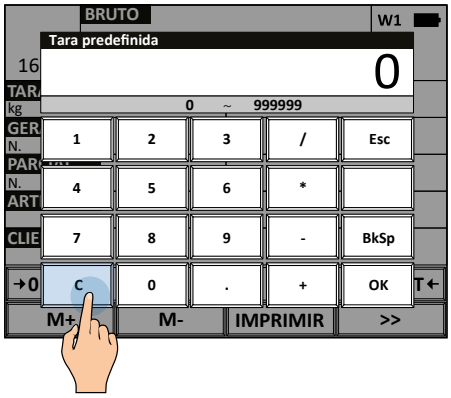


How to cancel the tare with scale loaded

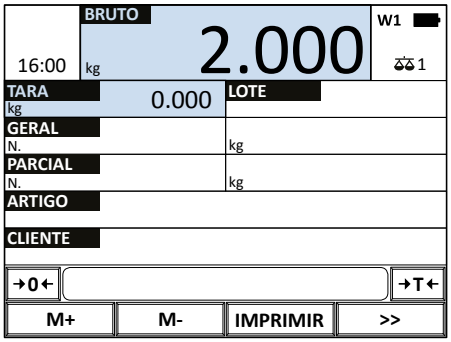
1.



2. Delete the tare and press OK to confirm



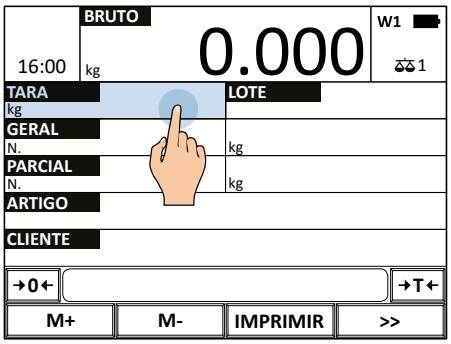
3.



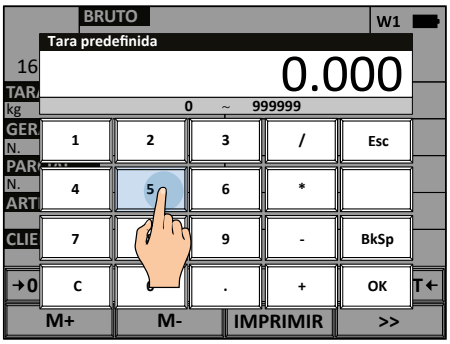
Preset tare

USE	Allows you to set the tare weight, if known, by typing it on the keyboard, even with the scale loaded.
APPLICATIONS	General weighing.
ACTIVATION	Standard active function.

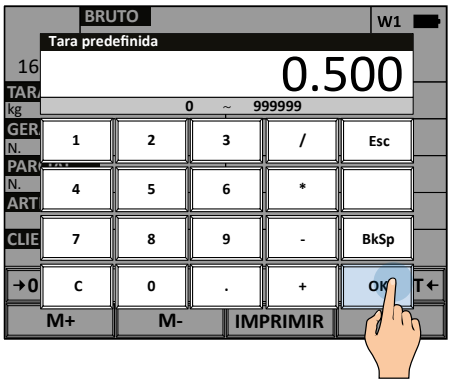
1.



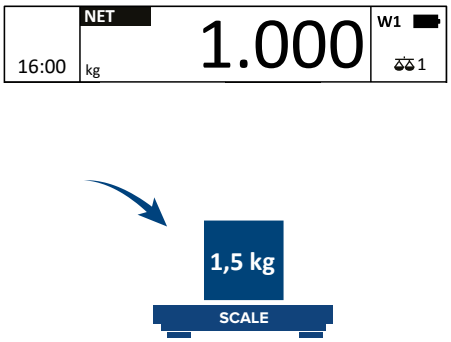
2. Enter the tare weight



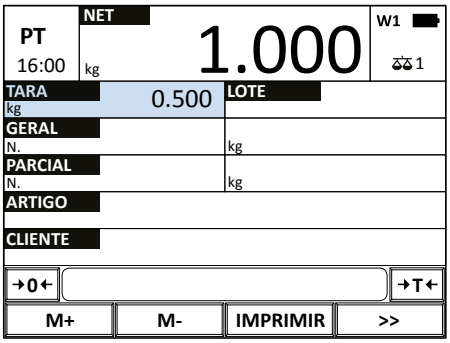
3. Press OK to confirm



4.



5.



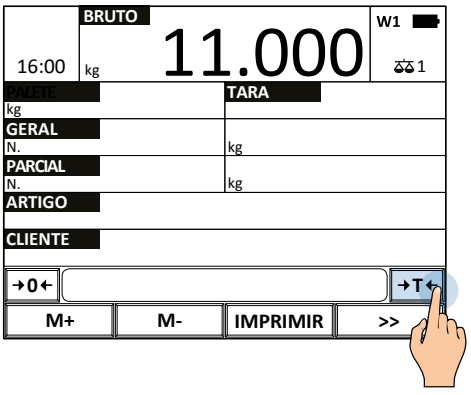
Multi-tare management

USE	Allows you to identify the weight of multiple tares and report them on the receipt / label.
APPLICATIONS	Warehouse, labelling.
ACTIVATION	It requires advanced configuration.

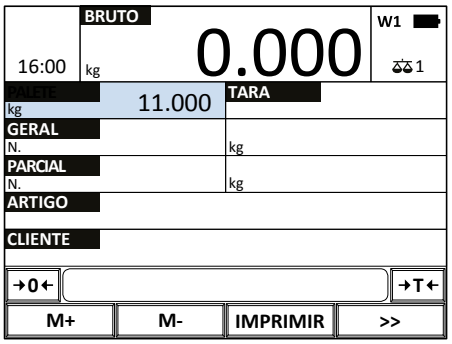
1.



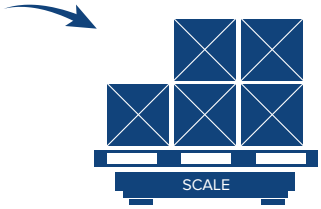
2. Enter the tare weight



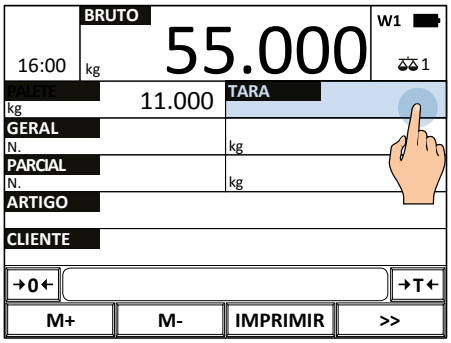
3. Press OK to confirm



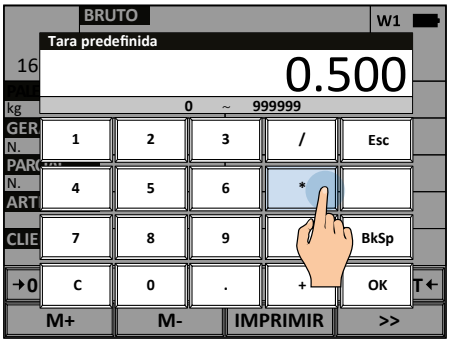
4.



5. Enter the tare weight



6. Enter the tare value of the single box and multiply by the number of boxes



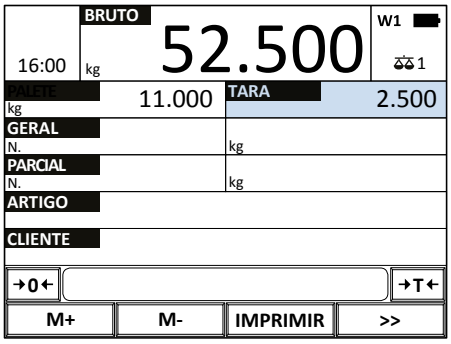
7.



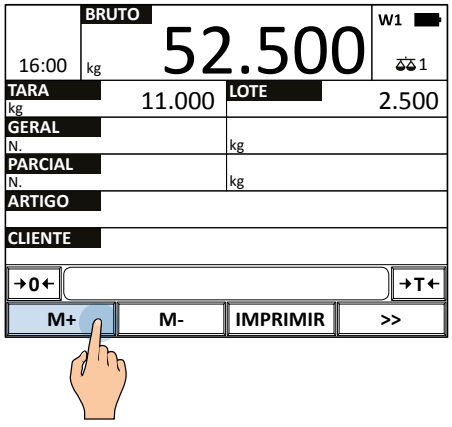
8.



9.



10.

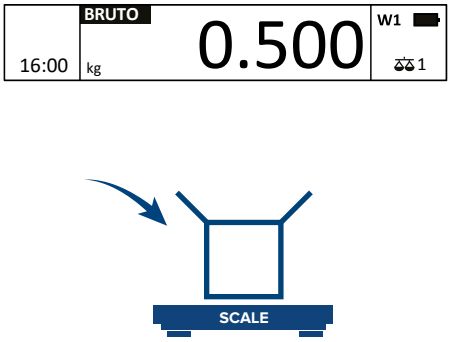


PALLET	11.000 kg
BOXES	5 x 0.500 kg
WEIGH NO.	20
GROSS	66.000 kg
TARE	13.500 kg
NET	52.500 kg
15/01/2016	16.00

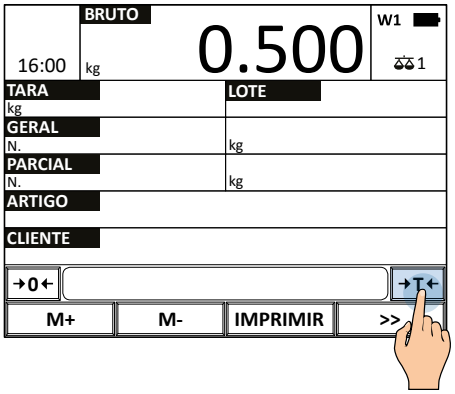
Unlocked tare (automatic tare cancellation)

USE	Allows you to automatically delete the tare whenever the scale is unloaded.
APPLICATIONS	Useful when the container changes for each weigh. It obliges the operator to reset the correct tare.
ACTIVATION	Standard active function

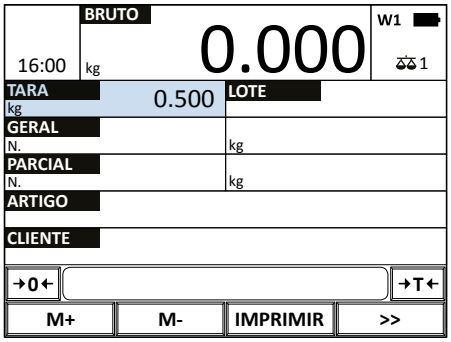
1. Example of weigh



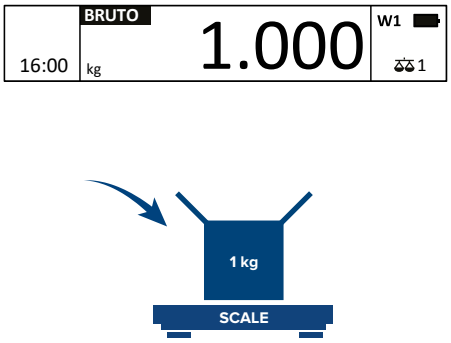
2.



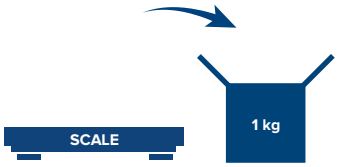
3.



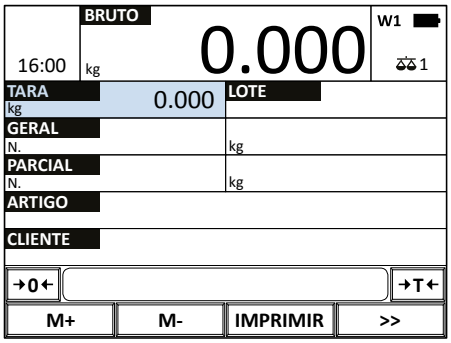
4.



5.



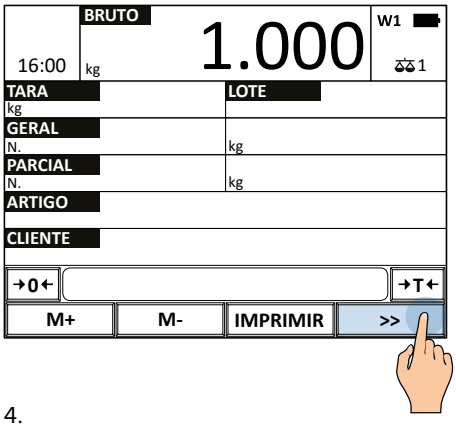
6. The tare is automatically cleared



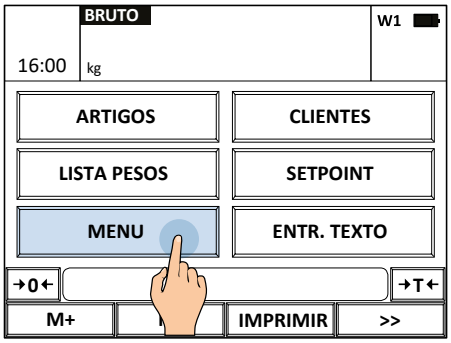
i The automatic tare cancellation is disabled in the standard factory configuration (locked tare).

How to lock / unlock the tare

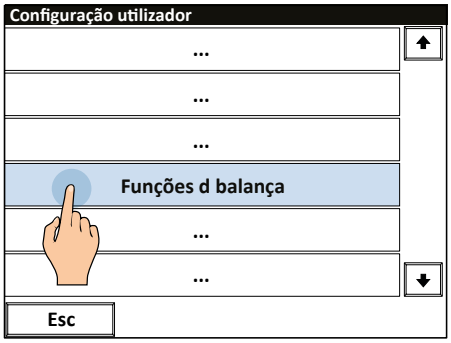
1.



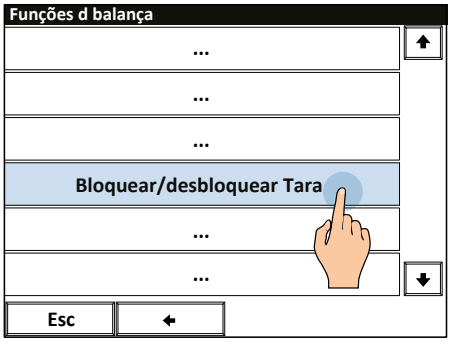
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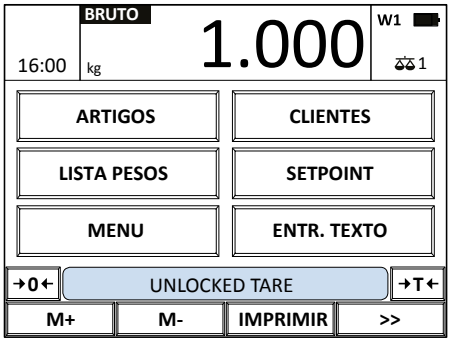
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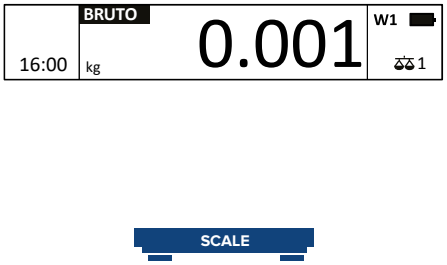
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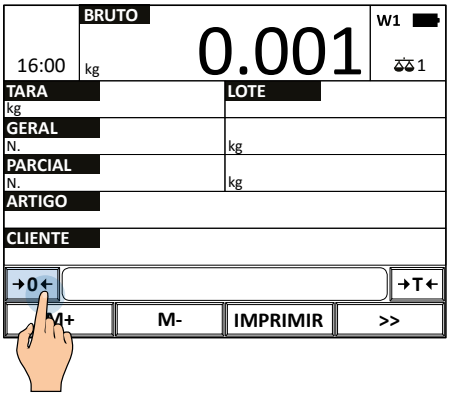
Zero scale

USE	Allows you to reset the zero before weighing, for optimal weighs.
APPLICATIONS	General weighing.
ACTIVATION	Standard active function.

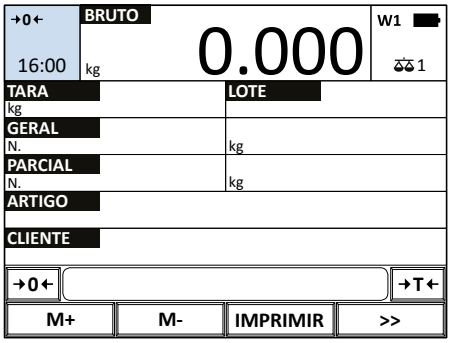
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2.



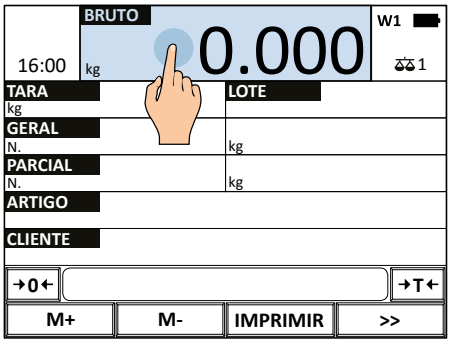
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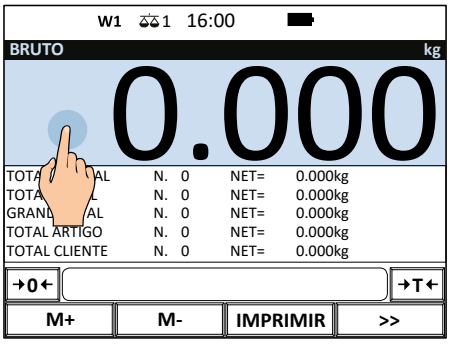
Weight view zoom

USE	You can enlarge the weight at any time for comfortable reading even at a great distance.
APPLICATIONS	General weighing.
ACTIVATION	Standard active function.

1.



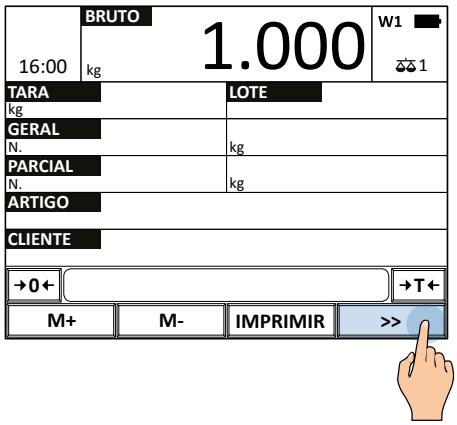
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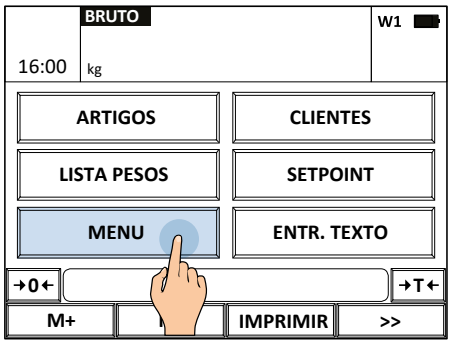
High-resolution weight

USE	Allows you to display the weight with 10 times greater resolution.
APPLICATIONS	Checks for internal use.
ACTIVATION	Standard active function.

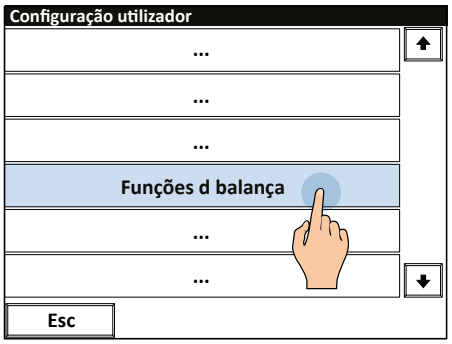
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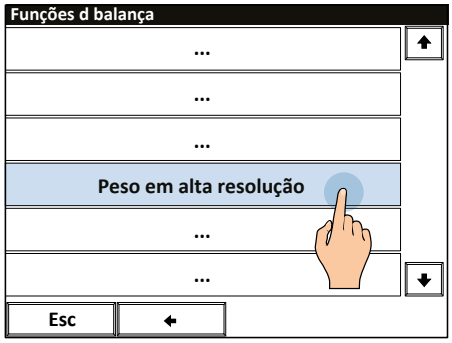
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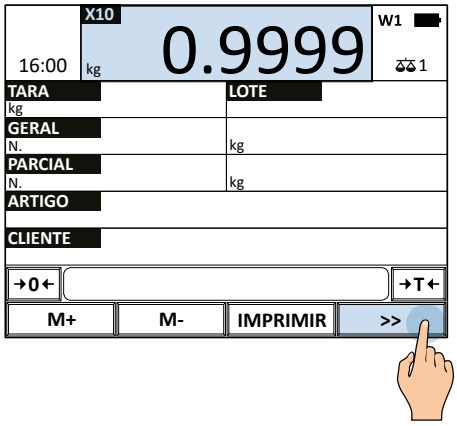
3.



4.



5.



i

If the instrument is approved, the display remains for a few seconds, then deactivates automatically.

Managing work shifts

USE	Allows you to identify the work shift that did the weighing operations, both in print and along with the data transmitted to USB or PC.
APPLICATIONS	Production monitoring / traceability in continuous work cycles.
ACTIVATION	It requires advanced configuration.

Example of 3 shifts

Shift A (04:00 - 12:00)



Shift B (12:00 - 20:00)



Shift C (20:00 - 04:00)



The scale:
- Prints the current shift based on the time;
- Can update the date based on the shift and on the time.

```
--------------------------
SHIFT          A
HOURS          05:27
LOT            20160115A

WEIGH             38
GROSS         179.12 kg
TARE           15.00 kg
NET           164.12 kg
--------------------------
```

i

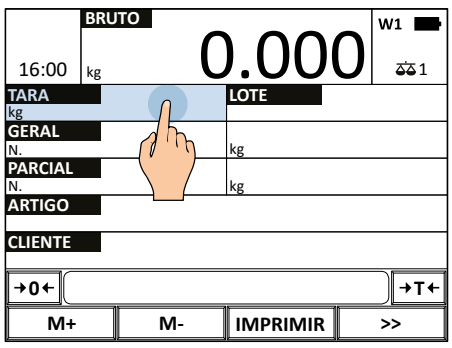
Option of identifying each individual operator by name and/or code.
The number of shifts and their alphanumeric ID are freely programmable.

Calculator

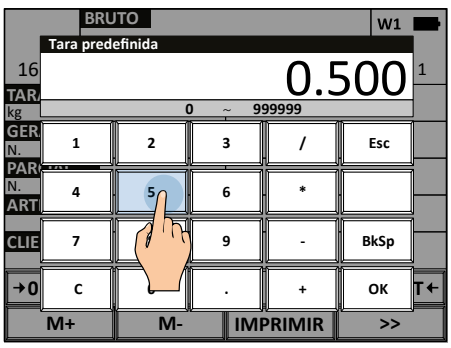
USE	Perform operations and print the total. Calculate the overall tare weight by summing or multiplying multiple tares.
ACTIVATION	Standard active function.

Example of multiplicative tare

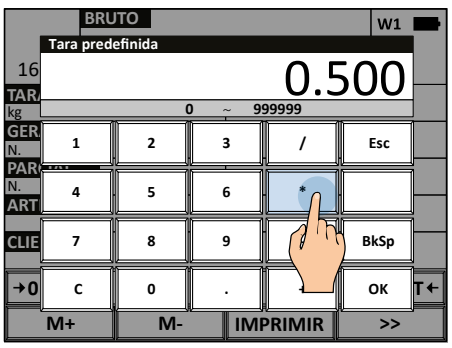
1.



2. Enter the individual tare weight



3. Select the operation



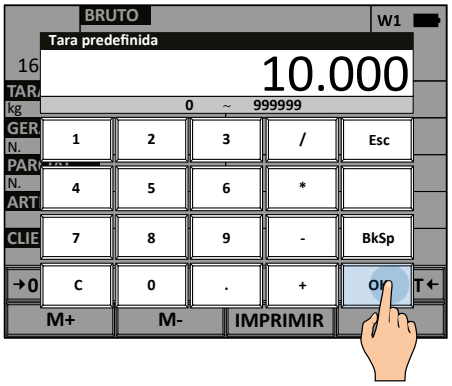
4. Enter the amount (e.g. 20)



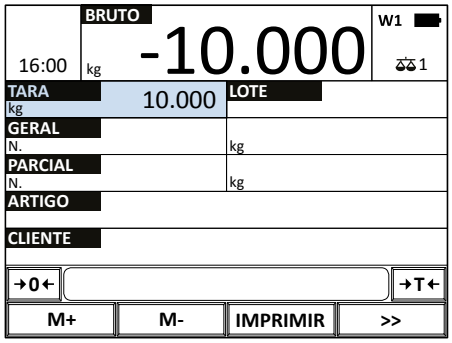
5. Press OK to display the total tare



6. Press OK again to set the calculated tare

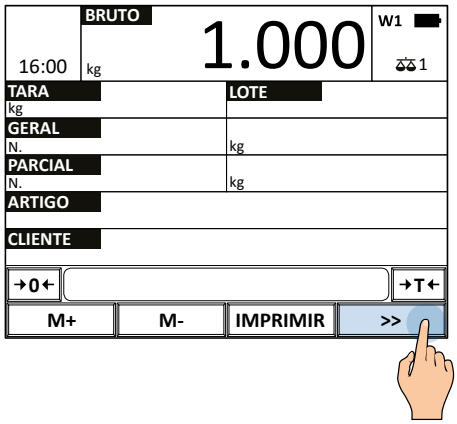


7.

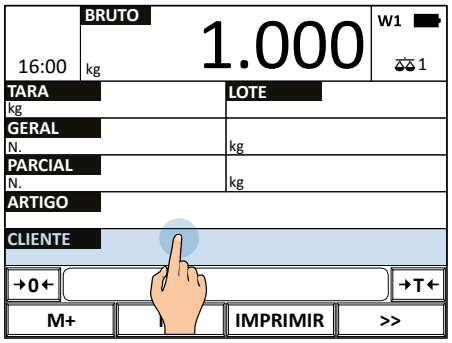


To recall the generic "calculator" function:

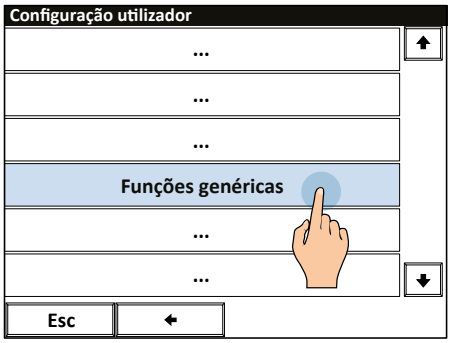
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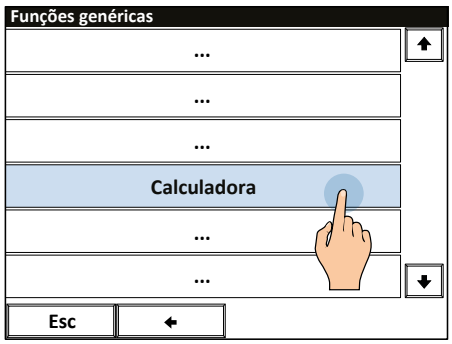
2.



3.



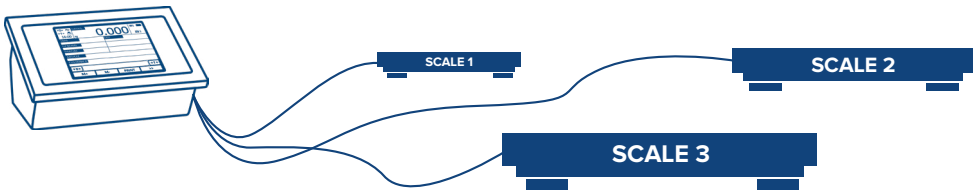
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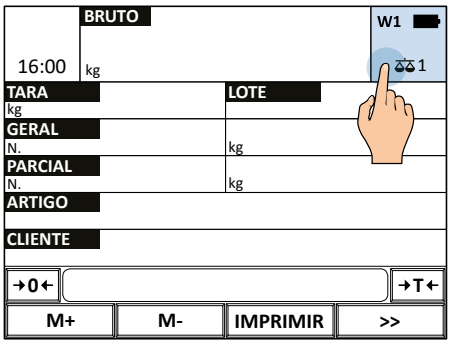
Operation with multiple scales

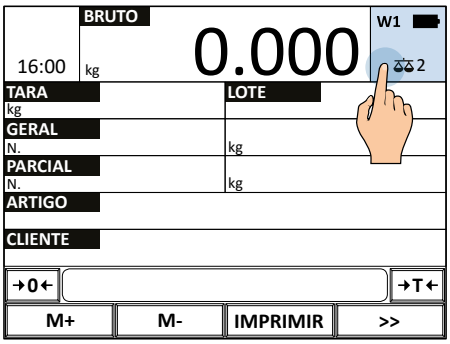
USE	The instrument can handle up to 4 analogue scales and a precision scale connected via serial. The standard screen allows you to quickly change from one scale to another.
APPLICATIONS	General weighing.
ACTIVATION	Standard active function. Key display activation on the main screen of the indicator (see alternative) requires advanced configuration.

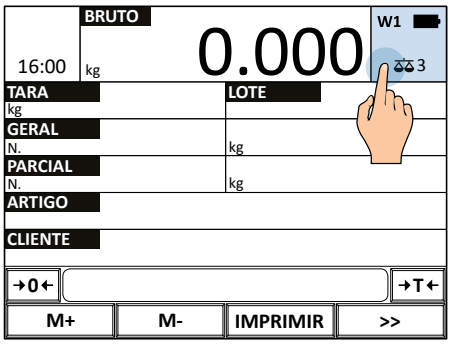
Select the platform on which to weigh



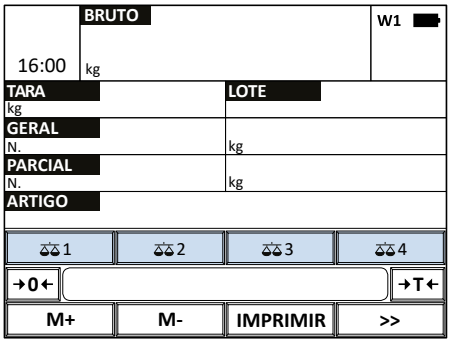
The indicator is standard fitted to connect up to 5 scales with different capacities and accuracies.







Alternative



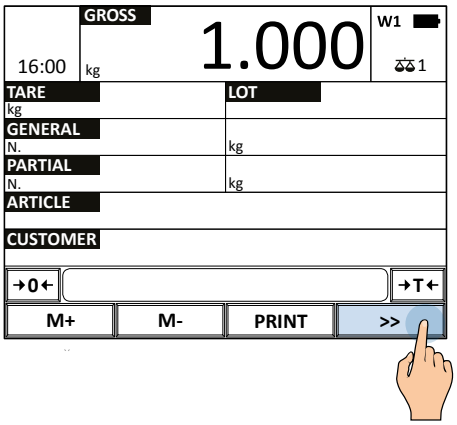
It is possible to create four or more buttons to directly select the scale on which you wish to weigh.

1000 article database

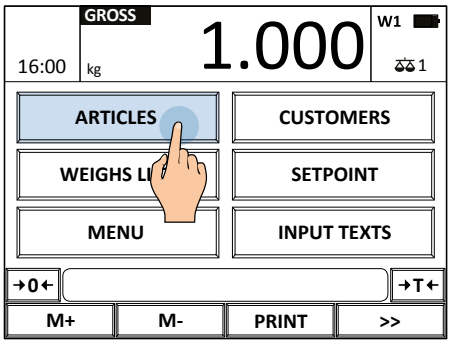
USE	Allows you to save the database (descriptions, associated tares, tolerances, etc.) of 1000 different articles.
APPLICATIONS	Traceability, consumption and production checking, inventory monitoring.
ACTIVATION	Standard active function.

How to fill in the database

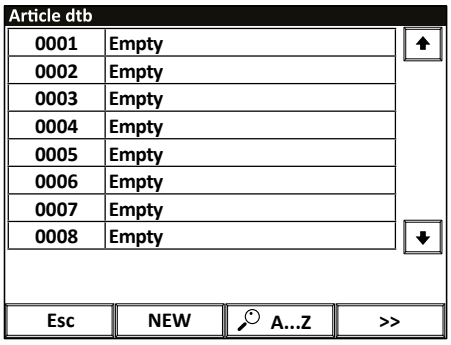
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2.



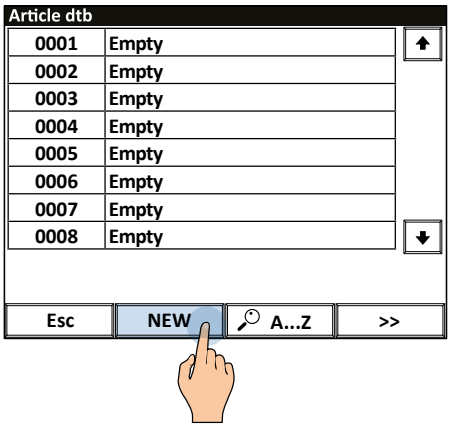
3.



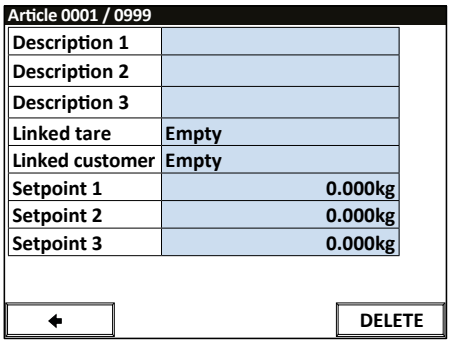
Once inside the article database fill-in menu you can:

Enter a new article

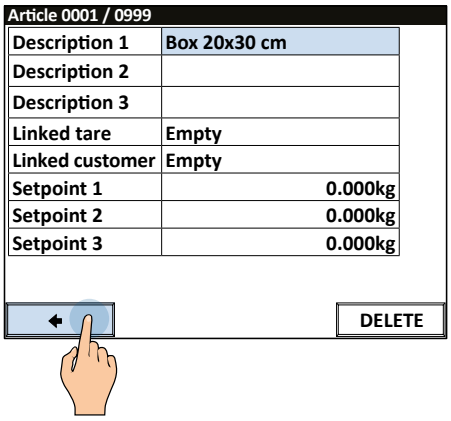
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2. Fill in the fields.

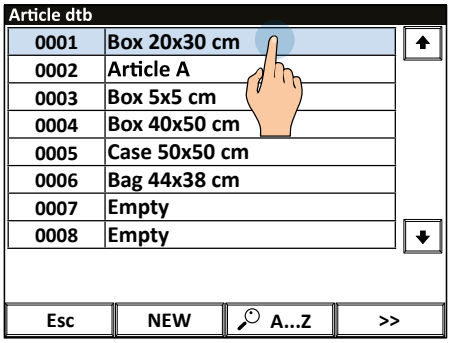


3. Saving is automatic

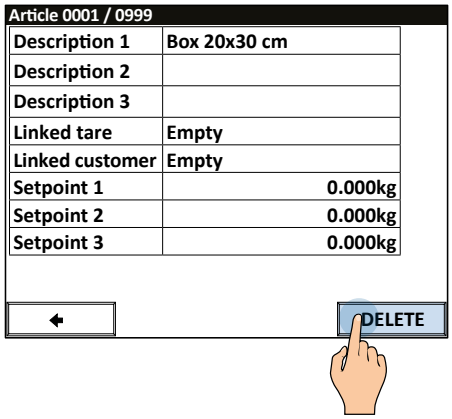


Delete an article

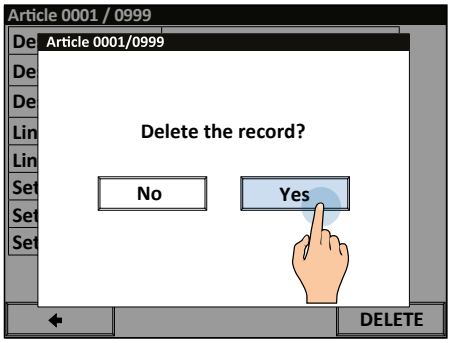
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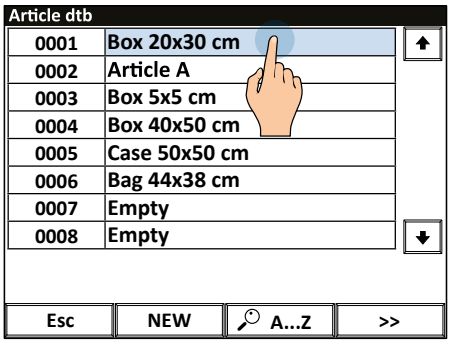


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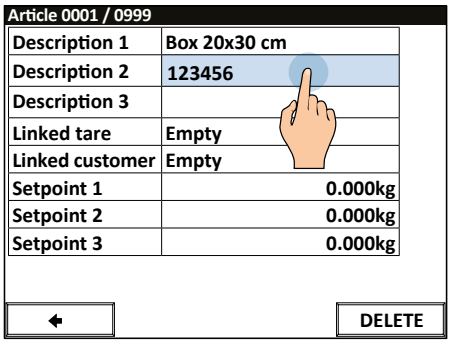


Edit an existing article

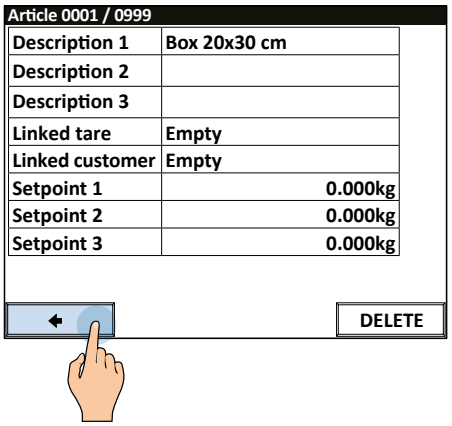
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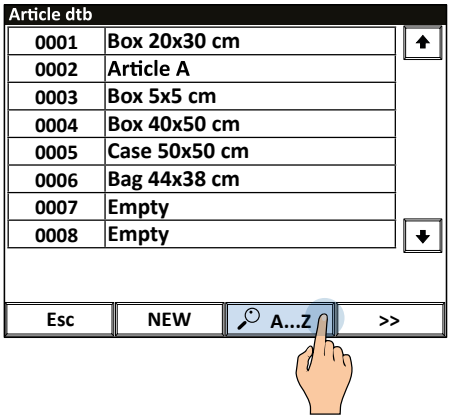


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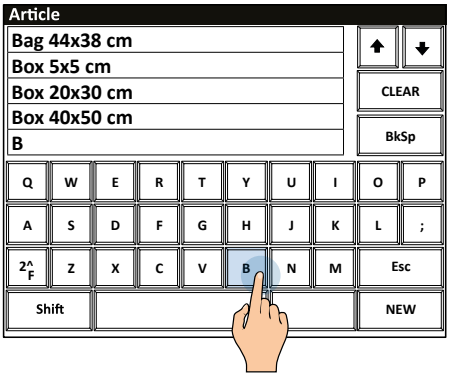


Look for an article to edit/delete via alphabetic selection.

1.

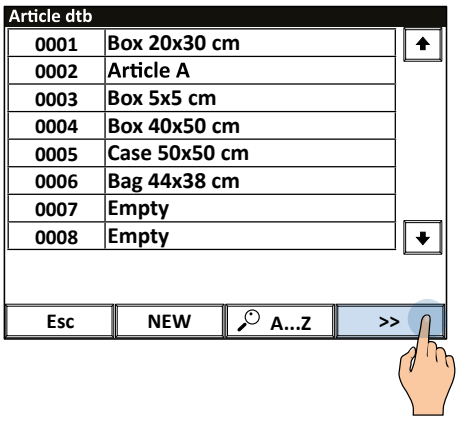


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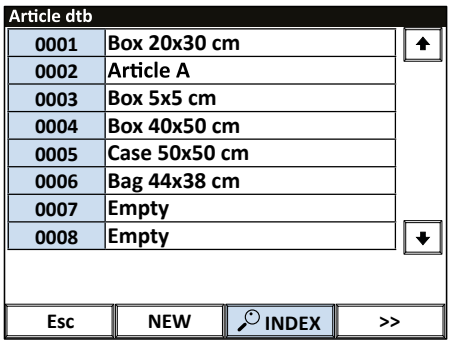


Look for an article by its numeric index

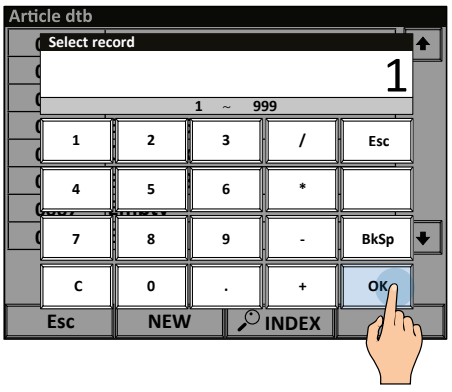
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2.

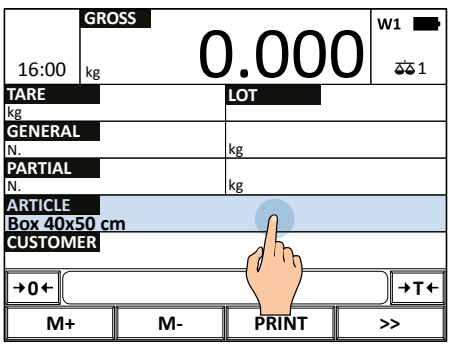


3. Select the article number and press OK to confirm

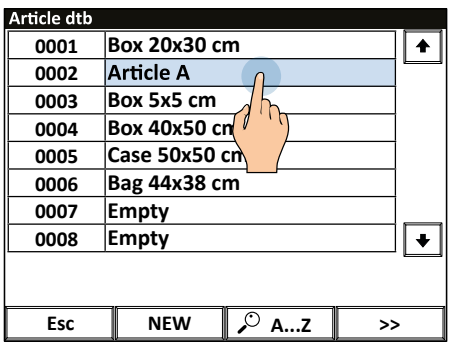


Select an article

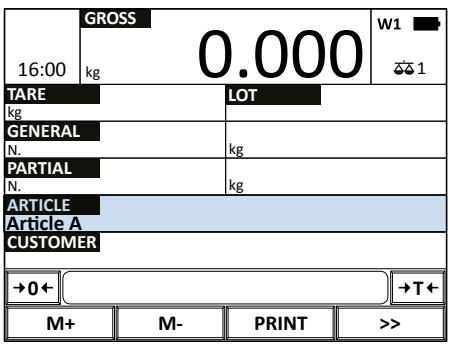
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2.

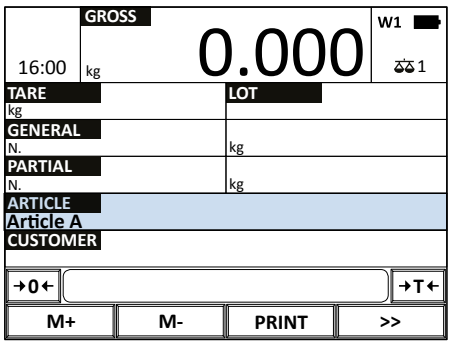


3.

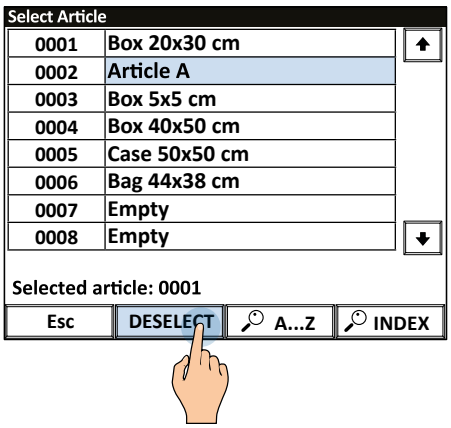


Deselect the current article

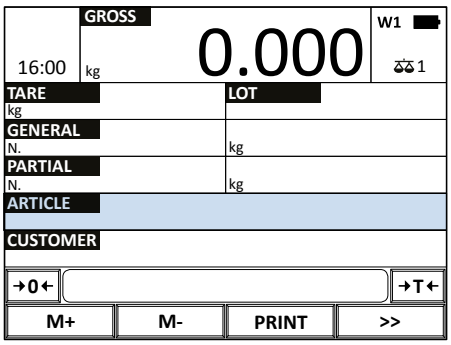
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2.



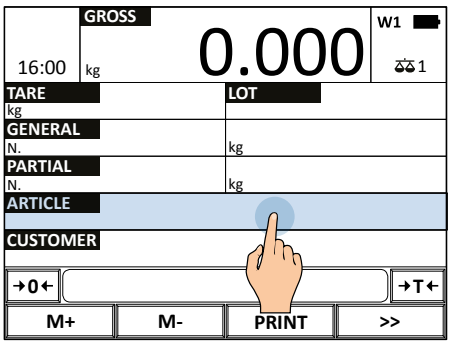
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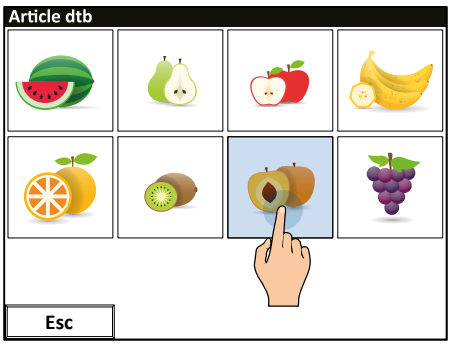
Article selection by image

USE	Allows you to quickly select an article by clicking on the image identifying it.
APPLICATIONS	Manual labelling or totalisation.
ACTIVATION	It requires advanced configuration.

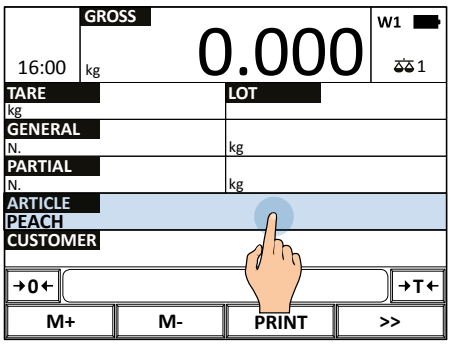
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2.

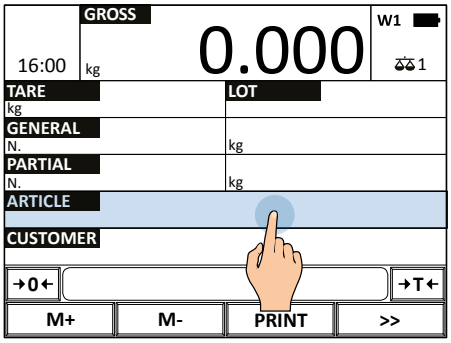


3.

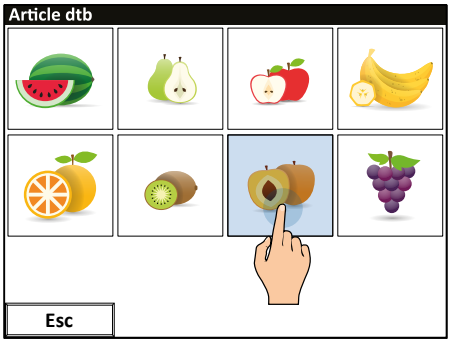


Alternative: display the identification image of the article selected in the main screen.

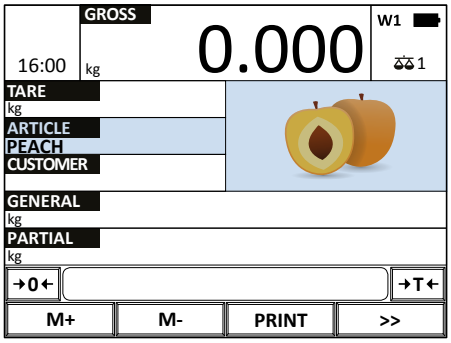
1.



2.



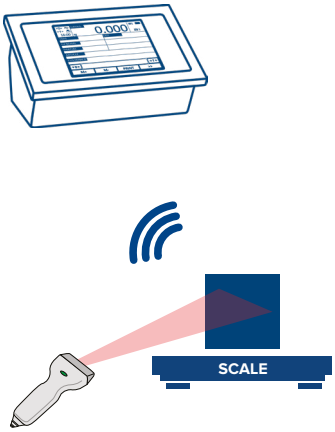
3.



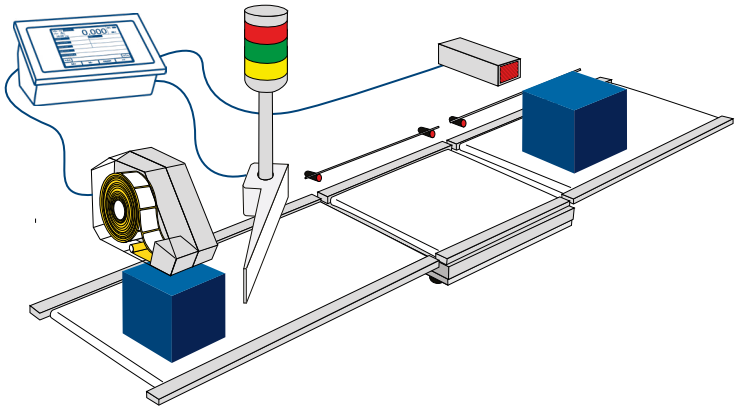
Article selection via bar code reader

USE	Allows you to quickly select the desired article or the customer to reduce the possibility of errors. The same function is available for different reading devices like badges, tags, RFID, transponders, etc.
APPLICATIONS	Merchandise entry, warehouse, shipping, etc.
ACTIVATION	It requires advanced configuration.

Manual



Automatic Bar code reader for automatic article recognition

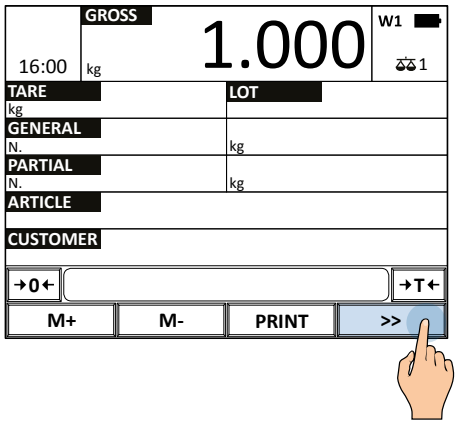


How to associate a bar code to an article in database

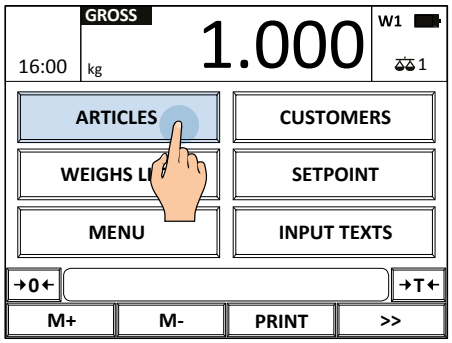
Bar code example:



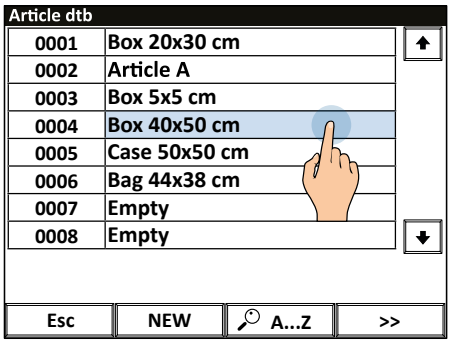
1.



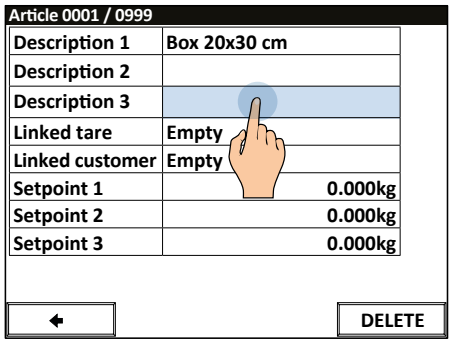
2.



3.

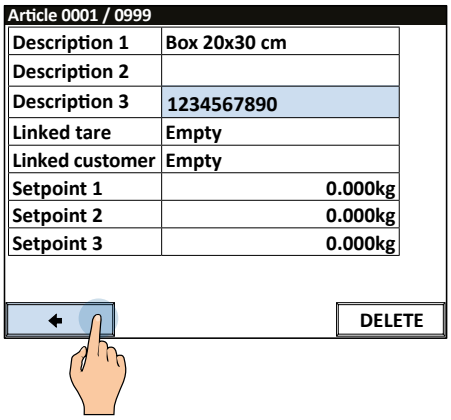


4.



i Enter the searching bar code in the last available "Description" field.

5.



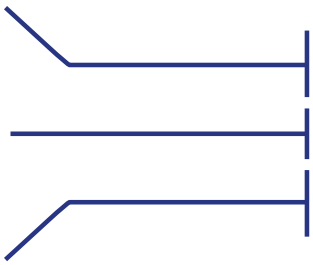
Article database fields

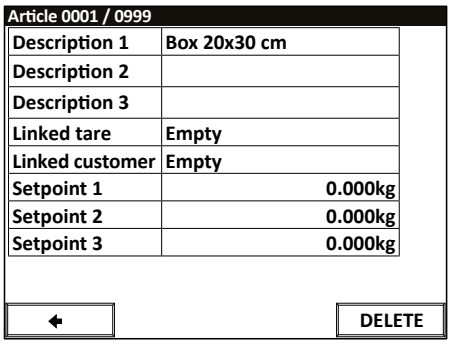
USE	Allow you to associate descriptions and useful parameters to each article to help to identify it in print and combine it with specific functions.
APPLICATIONS	Article traceability / recognition.
ACTIVATION	In the default factory configuration, the article fields are all active and you can disable the unused fields to make it easier to enter new records. Disabling requires advanced configuration.

Alphanumeric descriptions of 20 characters each that identify the article.

Associated customer and tare, selected from the respective databases.

Relay 1, 2 and 3 and luminous / signal light device activation values *(A-6)*



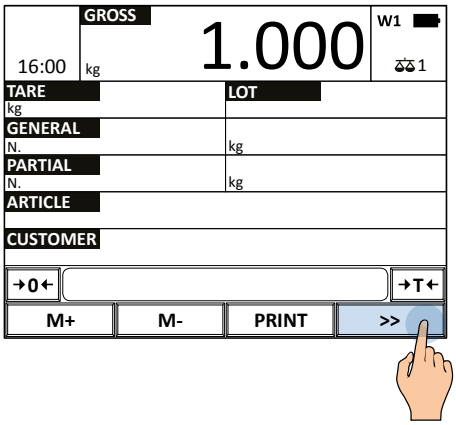


200 customer database

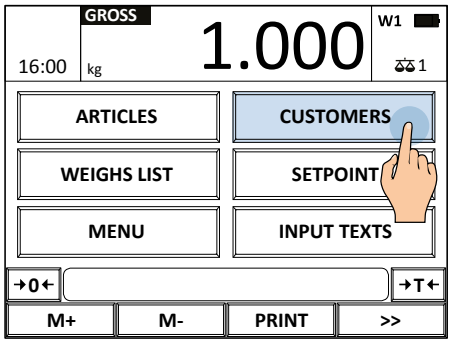
USE	Allows you to save the personal information of 200 different customers.
APPLICATIONS	Traceability / Order management / Customer management.
ACTIVATION	Standard active function

How to fill in the database

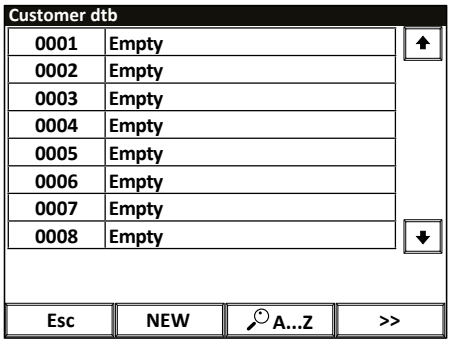
1.



2.

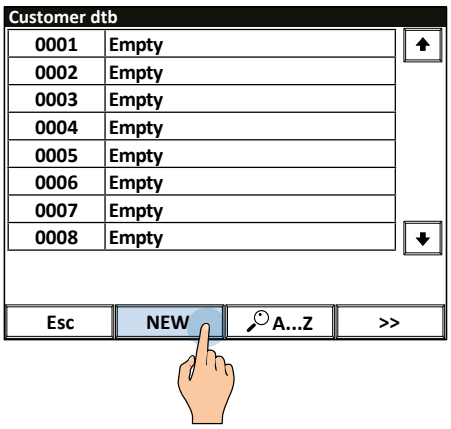


3.

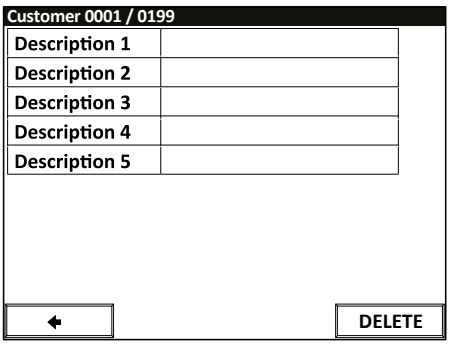


How to enter a new customer

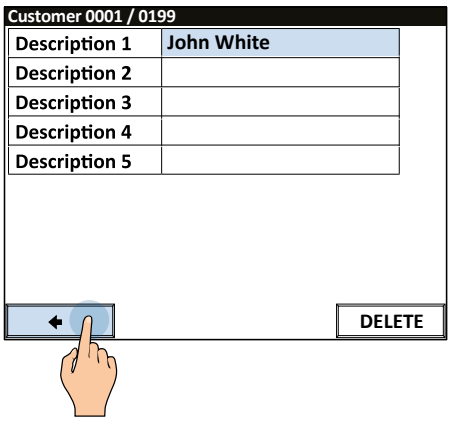
1.



2. Fill in the fields.

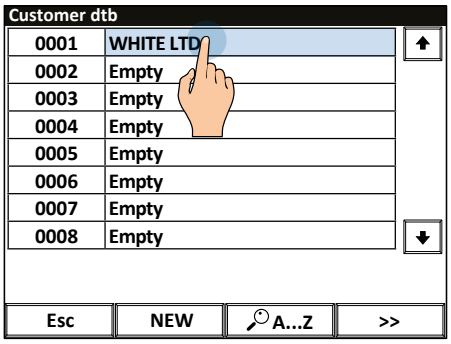


3. Saving is automatic

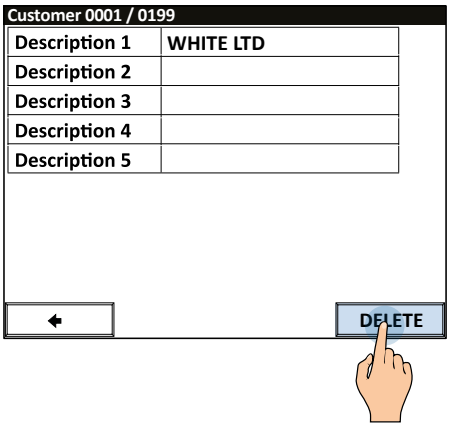


How to delete a customer data file

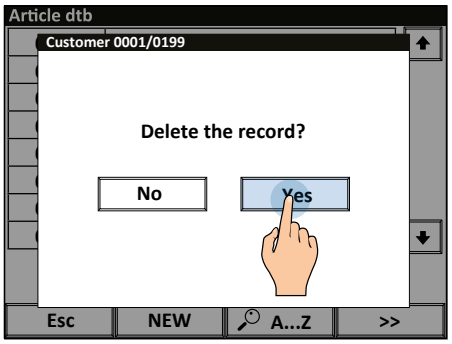
1.



2.

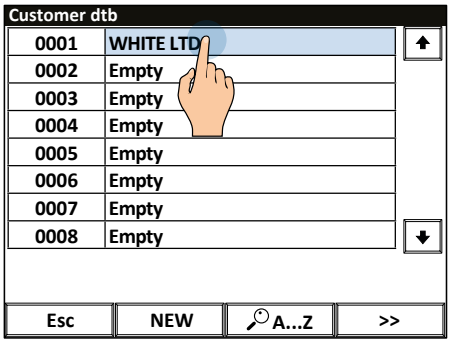


3.

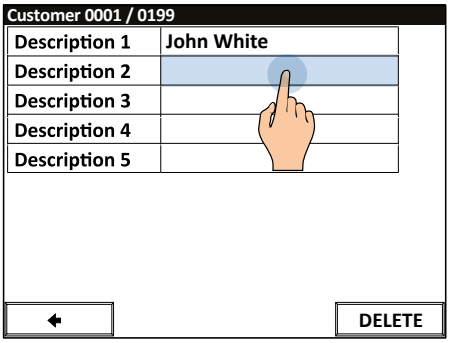


How to edit a customer data file

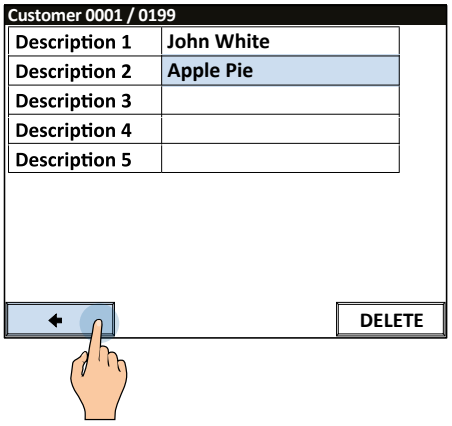
1.



2.



3.Saving is automatic.

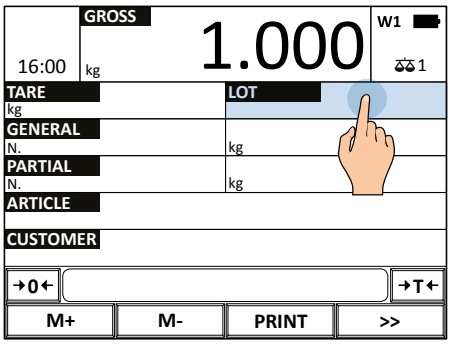


Entering weigh identifying text

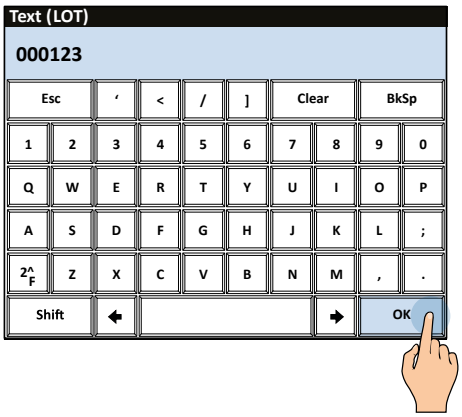
USE	Allows you to enter up to 15 texts to identify the operator, lot, origin, shift, etc. Such data may be reported on the printout, transmitted to the IT system or saved on USB devices.
APPLICATIONS	Traceability of weighs.
ACTIVATION	“Lot” free text comes standard active. Additional text activation (up to 15) requires advanced configuration. Sequence activation (up to 10 consecutive operations) requires advanced configuration.

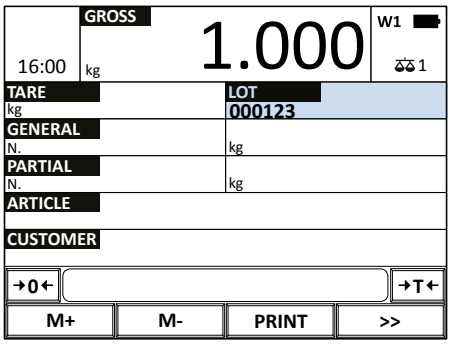
The indicator comes with a standard quick retrieve ID text: the lot.

1.



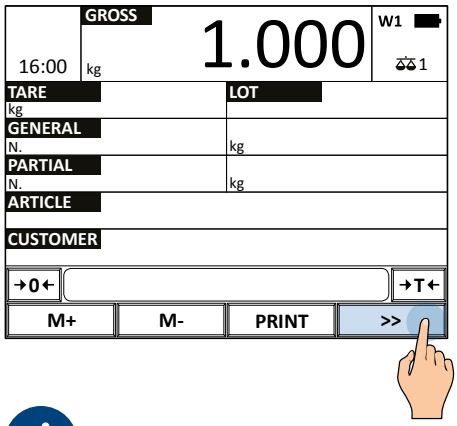
2.



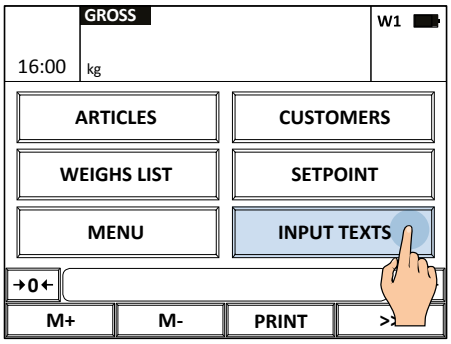


How to access the complete list of texts

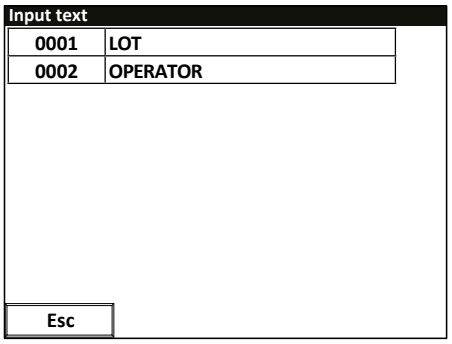
1.



2.



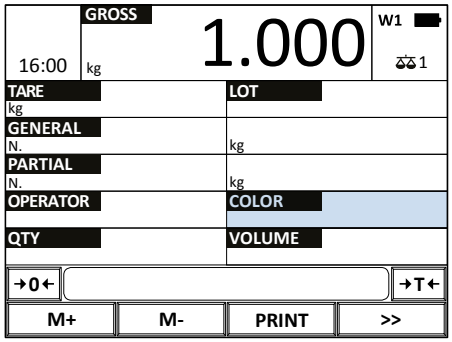
3.



i Additional text activation (up to 15) requires advanced configuration.

Alternatives:

1. Create buttons to directly fill out all the necessary identification texts, making filling out faster.

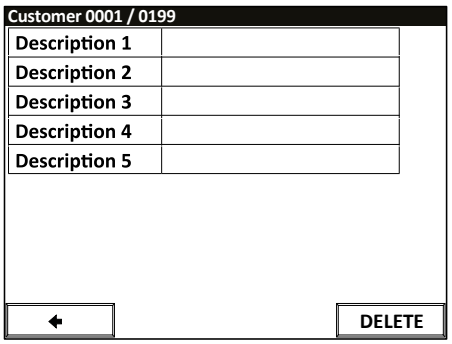


2. If texts must be completed for each totalisation, you can create an automatic sequence that facilitates the operator. *(G-1)*

Customer database fields

USE	Allow you to associate descriptions to each article to help to identifying it in print and combining it with specific functions.
APPLICATIONS	Customer traceability / recognition
ACTIVATION	In the default factory configuration, the customer fields are all active and you can disable the unused fields to make it easier to enter new records. Disabling requires advanced configuration.

Alphanumeric descriptions of 30 characters each that identify the customer.

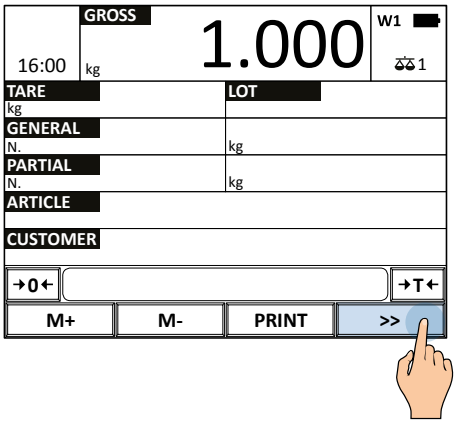


Preset 300 tare database

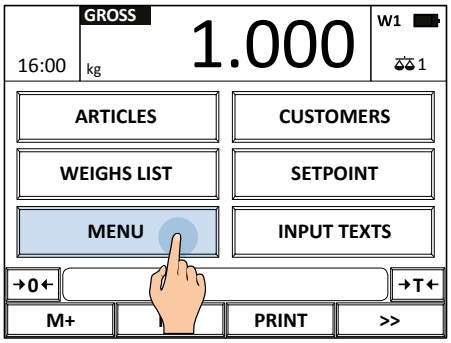
USE	Allows you to save all the most frequently used tares for quick retrieval.
APPLICATIONS	Warehouse / Goods receipt / Production / Packaging.
ACTIVATION	Filling out the tare database and associating a tare weight to an article are standard active functions.

How to fill in the database

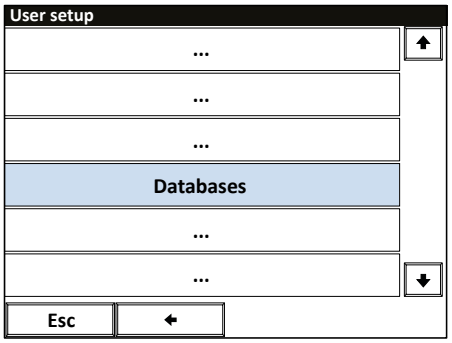
1.



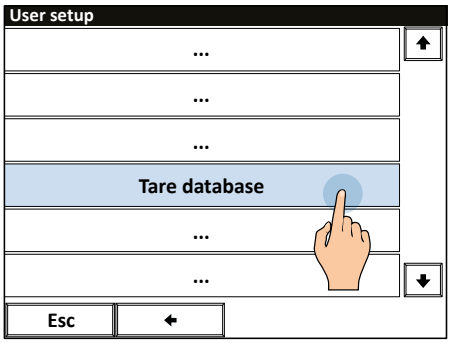
2.



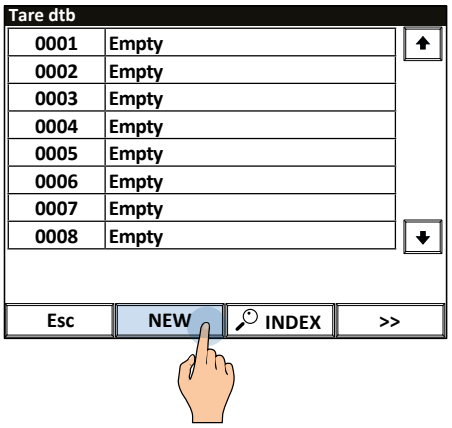
3.

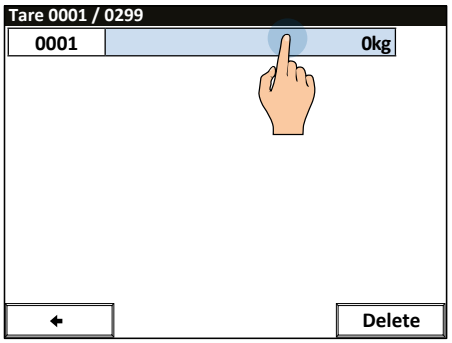


4.

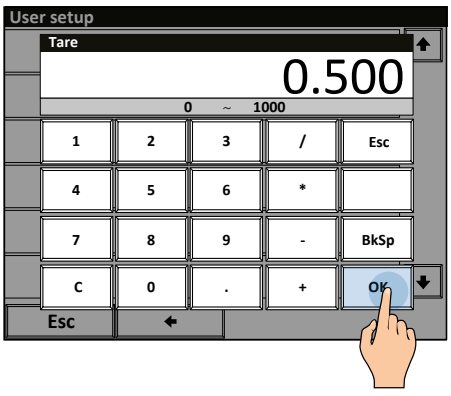


5.

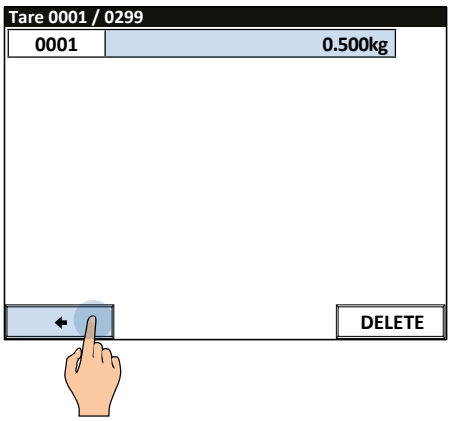




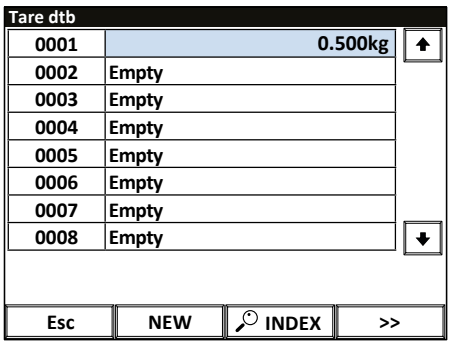
6. Enter the tare value and press OK to confirm



7.

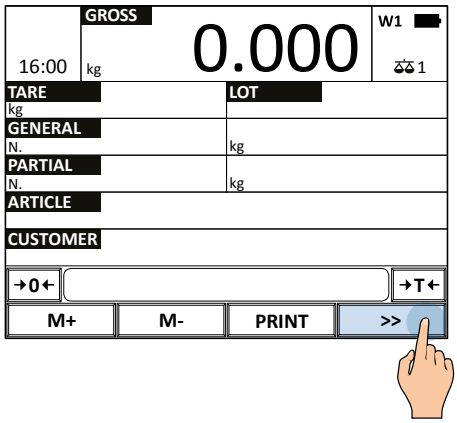


8.

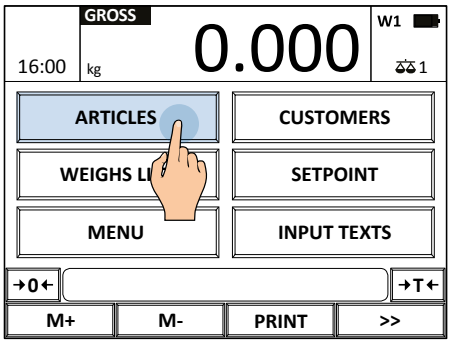


How to associate the tare to an article

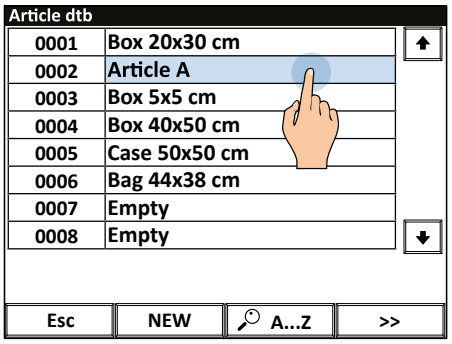
1.



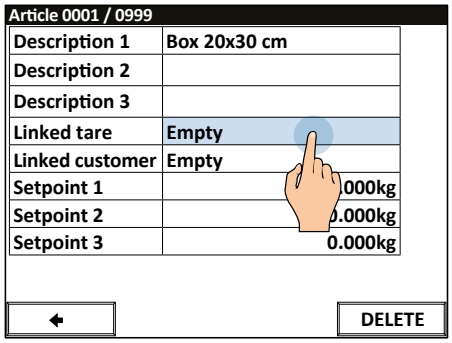
2.



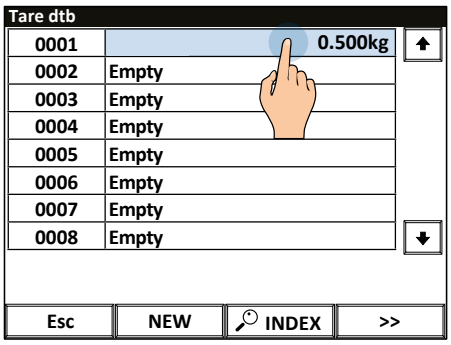
3.



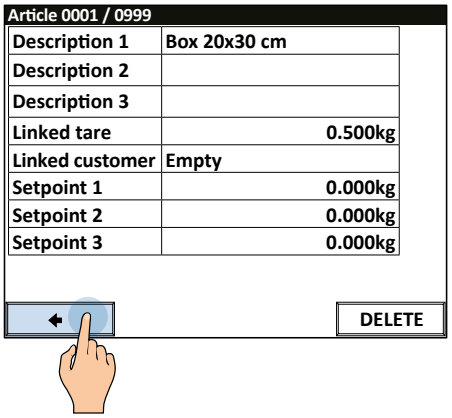
4.



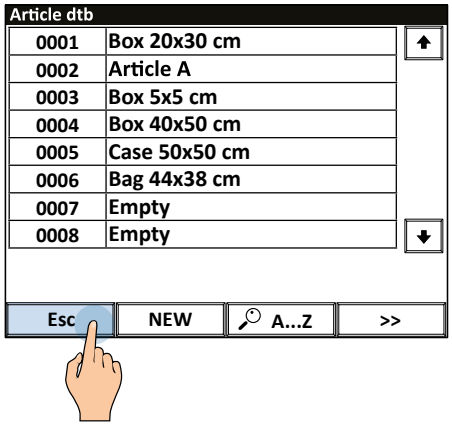
5.



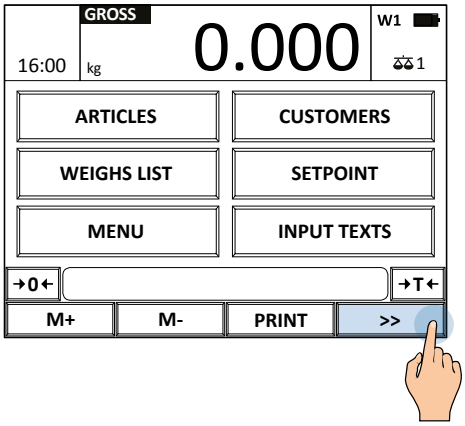
6. Saving is automatic



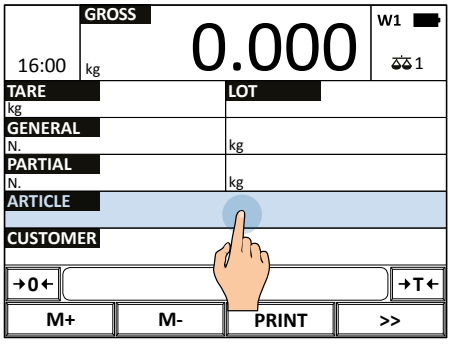
7.



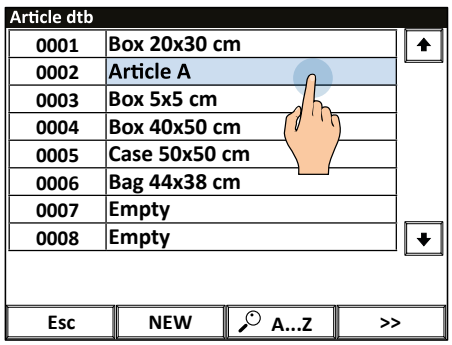
8.



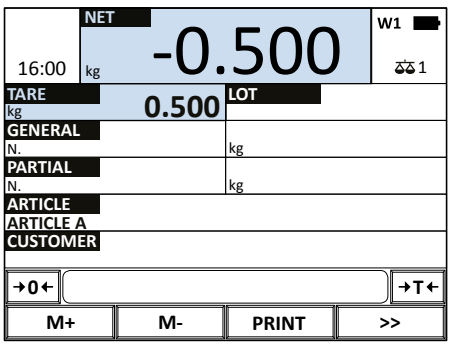
9.



10.

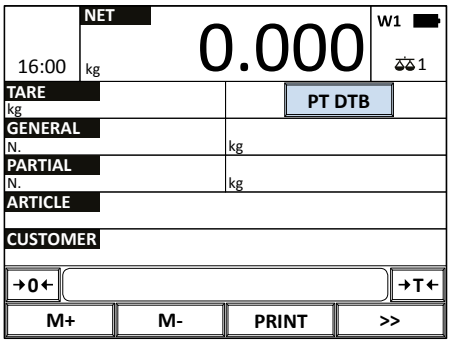


11.

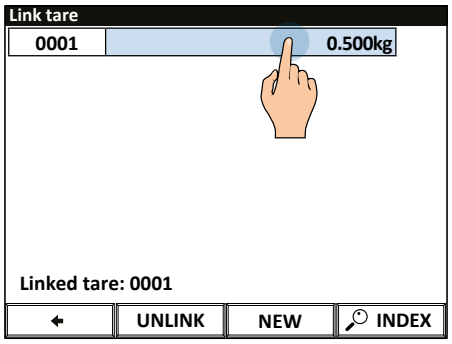


Quick selection of saved tare

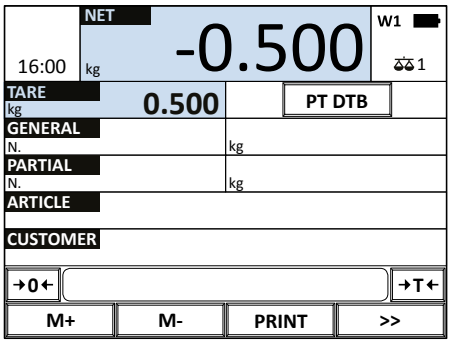
1. Create a button to directly select the tare from the archive



2.



3.

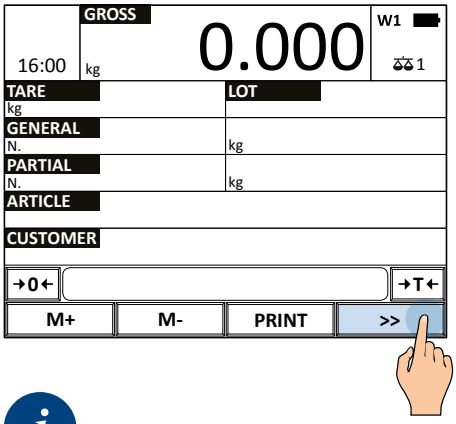


i Quick tare selection from the main screen requires advanced configuration.

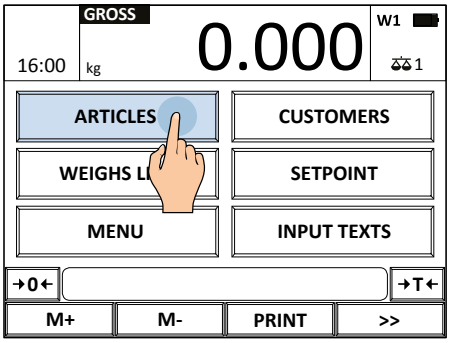
Password to access the database

USE	Allows you to protect database entry and editing (articles, customers and tares)
APPLICATIONS	Security
ACTIVATION	It requires advanced configuration.

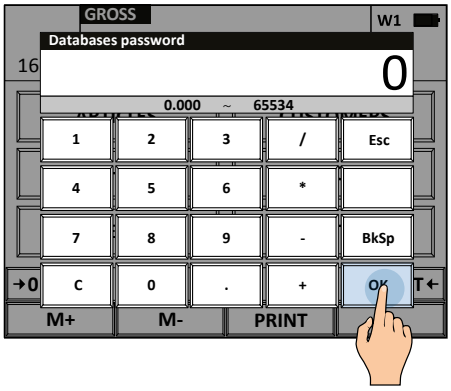
1.



2.



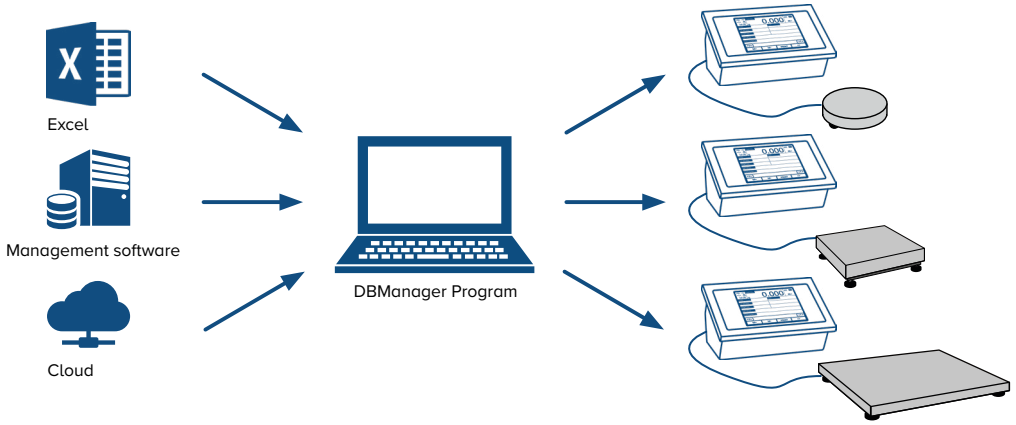
3. Type the password and press OK



i The password is univocal for all database entries.

Filling out database from PC with “DBManager”

USE	Allows you to quickly fill out the scale database from PC, with the possibility of importing data from excel files or directly from management software.
APPLICATIONS	Automatic scale database update.
ACTIVATION	It requires advanced configuration.



Total accumulated weight management

The scale has five different totals that increase with each totalised weigh.

GENERIC TOTALS:
- Partial total
- General total
- Grand total

TOTALS PER DATABASE:
- Total per article
- Total per customer

Each of these totals can be reset and printed independently.

Generic totals

USE	Depending on their use, they allow you to know up to three different total weights.
ACTIVATION	Generic totals come standard active. Partial total and grand total are displayed on the main screen. The grand total can be accessed through the menu. Quick display of the grand total on the main screen requires advanced configuration.

Production monitoring over time

Every single item is weighed and accumulated.
The partial total can be used to know daily production.
The general total shows weekly production.
The grand total shows monthly production.



Daily total = Partial total
Weekly total = General total
Monthly total = Grand total

i Thanks to the option of completely independent printing and reset, the totals can assume different functions: lot total, shift total, etc

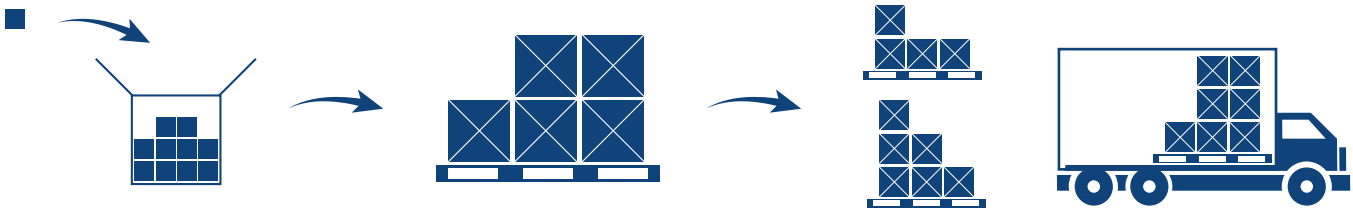
Labelling and packaging

Example:

Box total
(partial total)

Pallet total
(general total)

Outgoing total
(grand total)



Each package is labelled via the totalisation function with all the necessary, customisable data.
Each package can contain a different article.
If the boxes contain all the same amount of packages, you can automatically print in total after having weighed the last package.
The general total summarises the number of boxes, the total amount of packages and total pallet weight.
You can also print a packing list with the last 1000 generic weighs or divided by article or by customer.
The grand total summarises the overall amount handled.

Individual box

DINI ARGEO
Scales - Weighing systems

ARTICLE	CARROTS
PACK: 1	
GROSS	1.20 kg
TARE (PT)	0.05 kg
NET	1.15 kg

23/02/2016 10:15

1 234567 890123

Partial total

DINI ARGEO
Scales - Weighing systems

ARTICLE	CARROTS
PACKS: 10	
GROSS	15.00 kg
TARE (PT)	1.50 kg
BOX (PT)	1.00 kg
NET	1.15 kg

23/02/2016 10:15

1 234567 890123

General total

DINI ARGEO
Scales - Weighing systems

GENERAL TOTAL

BOX NB.: 6	
GROSS	90.0 kg
TARE (PT)	20.0 kg
PALLET (PT)	11.0 kg
NET	70.0 kg

23/02/2016 10:15

Grand total

DINI ARGEO
Scales - Weighing systems

GRAND TOTAL

PALLET NB.: 3	
GROSS	270.0 kg

23/02/2016 10:15

i

You can print a packing list

DINI ARGEO
Scales - Weighing systems

LOT		123456
OPERATOR		JOHN
1	NET	179.2 kg
2	NET	150.0 kg
3	NET	165.1 kg
4	NET	100.0 kg
5	NET	120.3 kg
6	NET	140.4 kg
7	NET	130.5 kg
8	NET	180.7 kg
9	NET	160.8 kg
10	NET	140.9 kg
11	NET	110.2 kg
GENERAL TOTAL		
WEIGHS		11
NET		1578.1 kg
TARE		15.0 kg

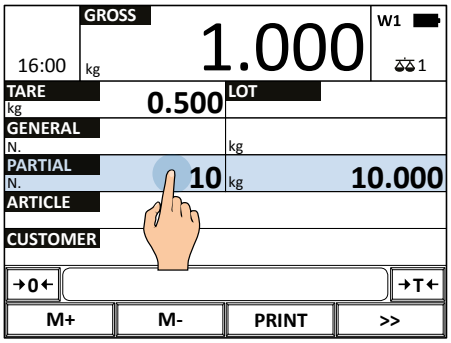
05/04/2016 16:00

(E-5)

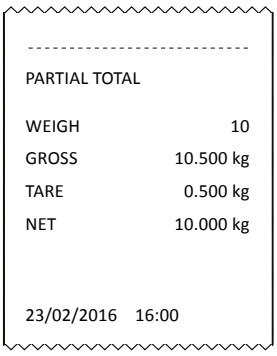
How to print and reset the partial total

ACTIVATION	Standard active function.

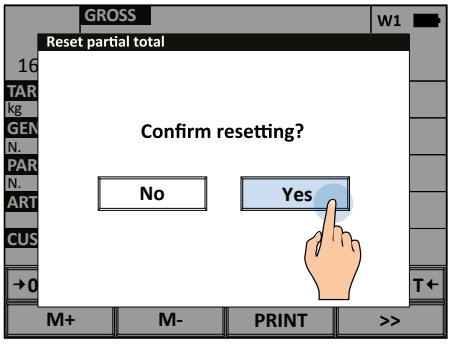
1.



2. Automatic printing



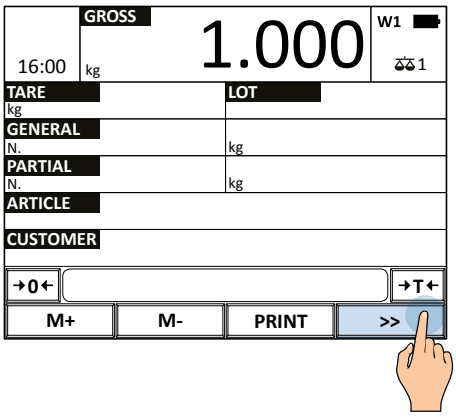
3. Press YES to reset the total, press NO to continue the accumulation in progress.



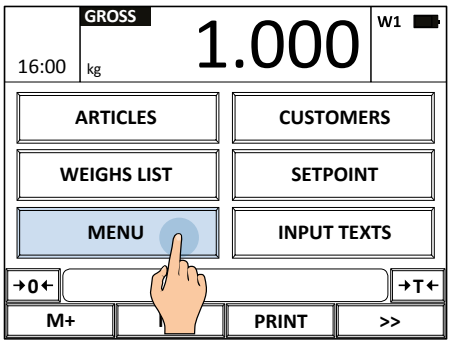
i The last accumulated total remains visible even after reset, until the first subsequent weighing. You can change this function through advanced configuration.

Printing and automatic resetting the partial total.

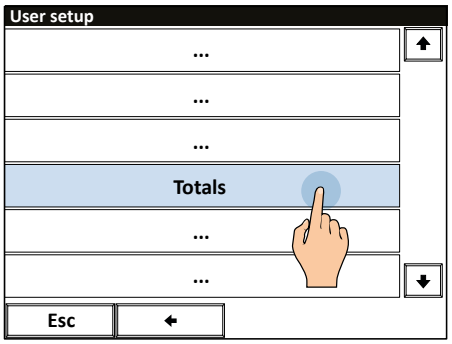
1.



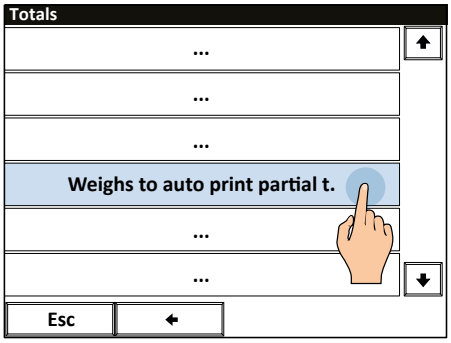
2.



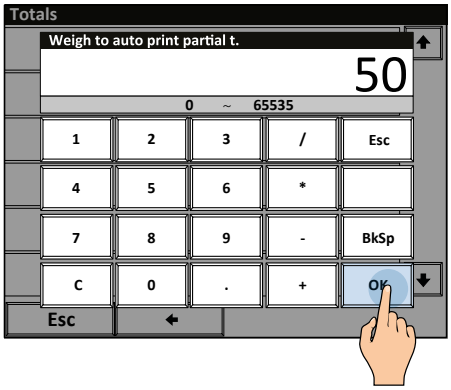
3.



4.



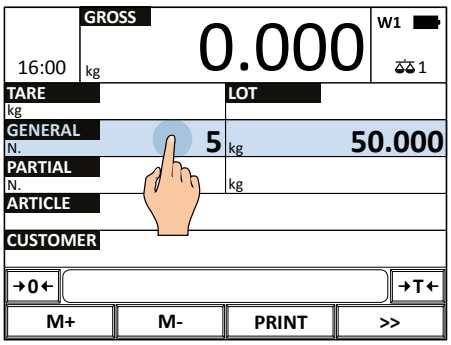
5. Enter the number of weighs and press OK to confirm



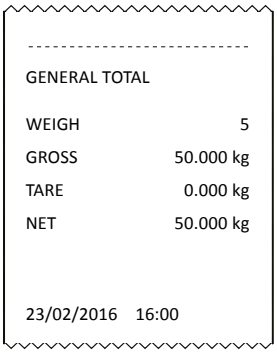
How to print and reset the general total

ACTIVATION	Standard active function.

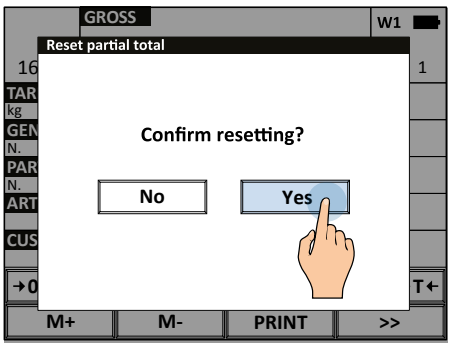
1.



2. Automatic printing



3. Press YES to reset the total, press NO to continue the accumulation in progress.

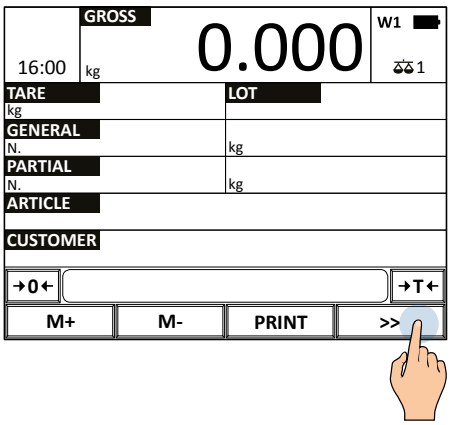


i At the first totalisation after general total reset, the header will be reprinted (if programmed).

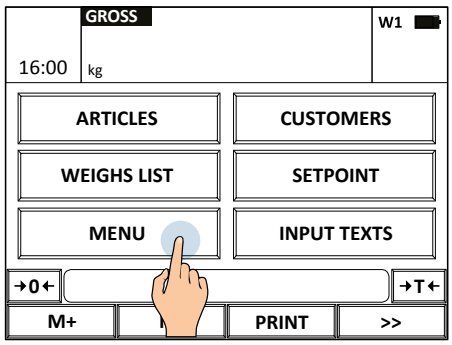
How to print and reset the grand total

ACTIVATION	Standard active function.

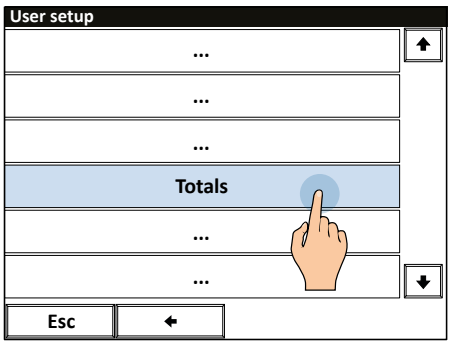
1.



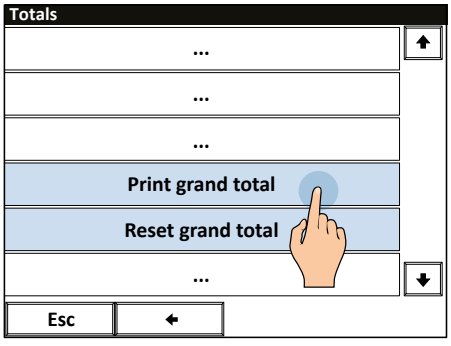
2.



3.

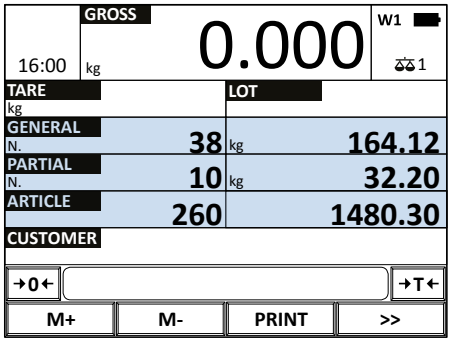


4.



i

Example



The grand total can be accessed through the menu, or shown on the main screen (example) (requires advanced configuration). You can also customise the name of each total according to your needs.

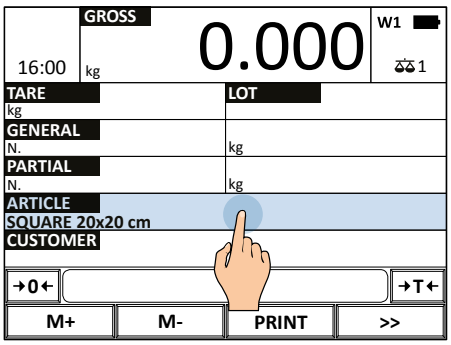
Database totals

USE	Allow you to know the quantities handled for a particular article or customer, or all the articles / customers handled up to a specific point in time.
ACTIVATION	Database totals are standard active and can be printed out and reset independently.

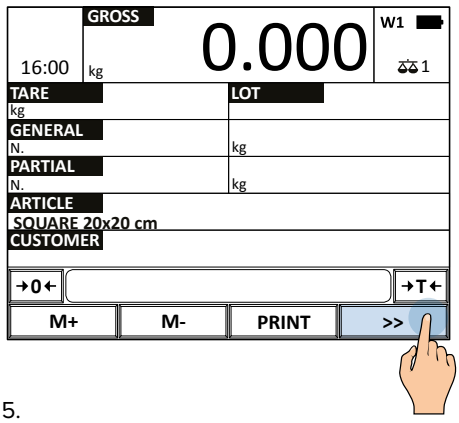
How to print and reset the total per individual article

USE	Allows you to know the number of weighs and the total amount handled of a particular article.
APPLICATIONS	Article warehouse management using the scale database.
ACTIVATION	Total printing of every single article comes standard active. Direct print function recall requires advanced configuration.

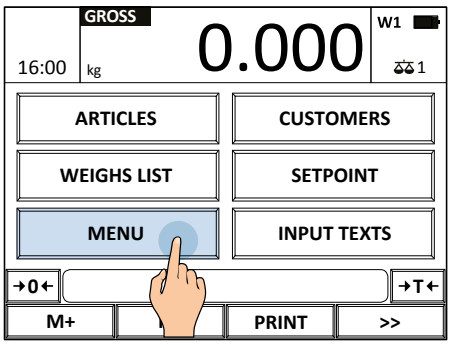
1. Select the article



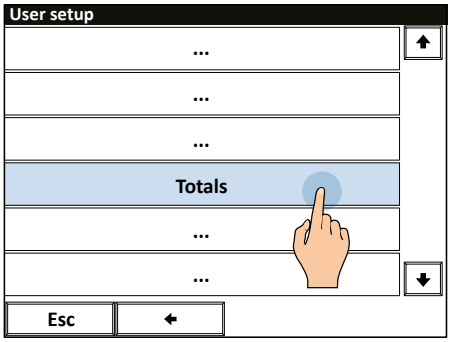
2.



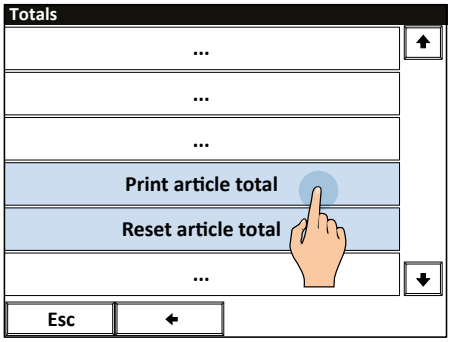
3.



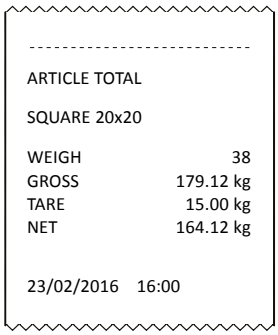
4.



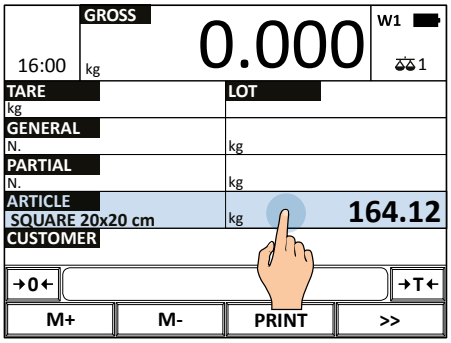
5.



6.



Alternative



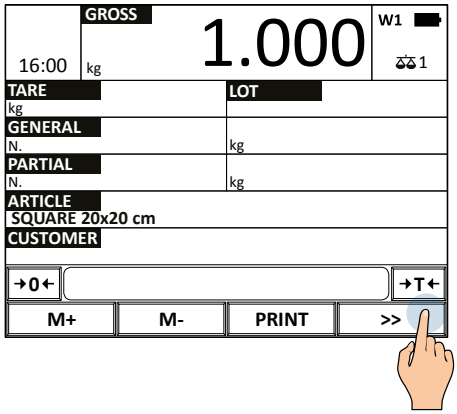
i

You can enter a direct recall of the print function on the main screen.
(Requires advanced configuration)

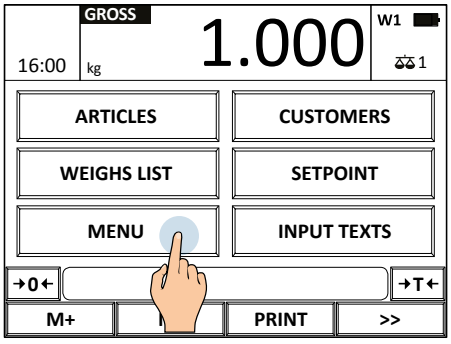
How to print and reset the total of handled articles

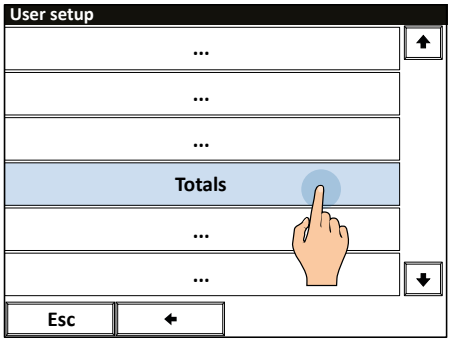
USE	Allows you to automatically print in sequence the total of all the articles handled (i.e. all articles that have an accumulated total).
APPLICATIONS	Report to check the flow of articles in the database.
ACTIVATION	Standard active function.

1.

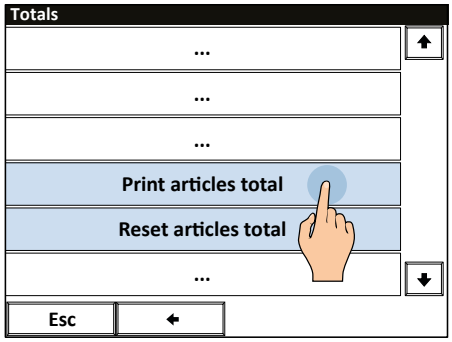


2.





4.



5.

```
----------------------------
ARTICLE TOTAL

SQUARE 20x20

WEIGHS              38
GROSS          179.12 kg
TARE            15.00 kg
NET            164.12 kg

----------------------------
ARTICLE TOTAL

SQUARE 40x40

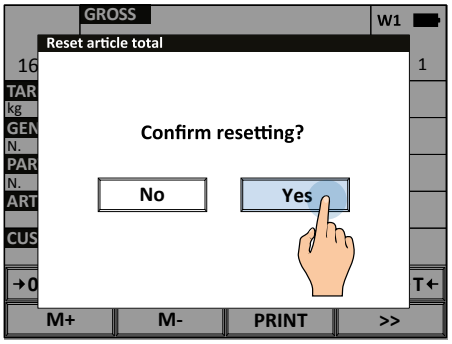
WEIGHS              10
GROSS           29.00 kg
TARE             5.00 kg
NET             24.00 kg

----------------------------
ARTICLE TOTAL

ROUND 15

WEIGHS               5
GROSS           15.00 kg
TARE             0.00 kg
NET             15.00 kg
```

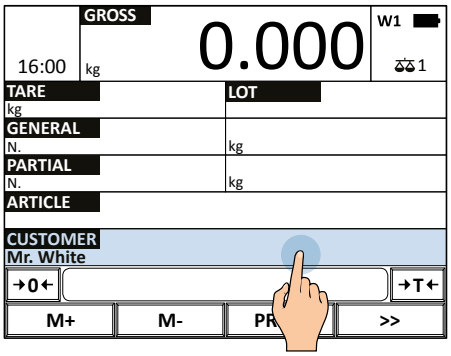
6. Press YES to reset the total, press NO to continue the accumulation in progress.



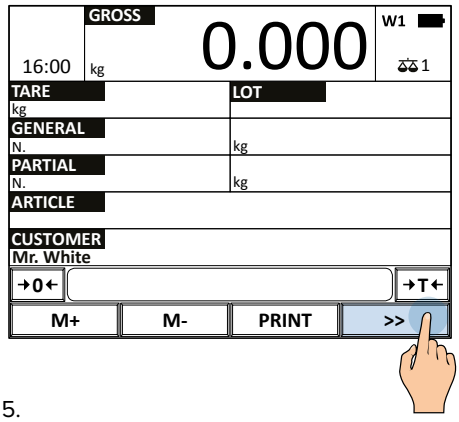
How to print and reset the total per individual customer

USE	Allows you to know the accumulated weight for each customer in the database.
APPLICATIONS	Check report.
ACTIVATION	Standard active function.

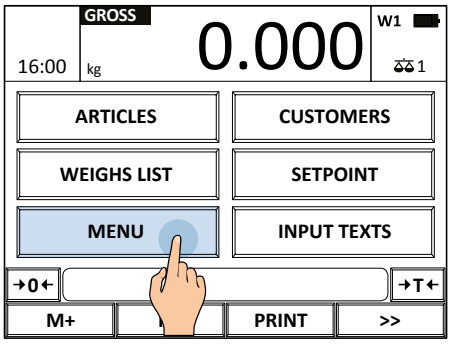
1. Select the customer



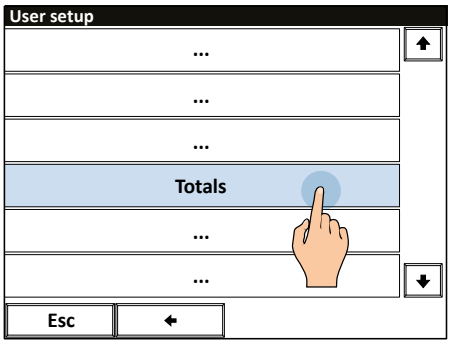
2.



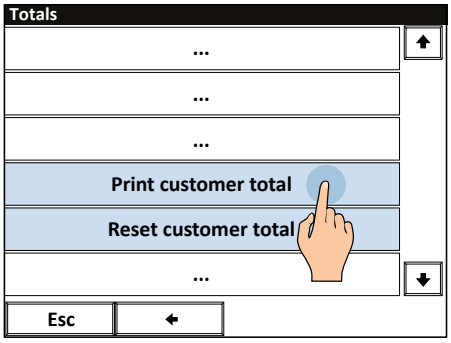
3.



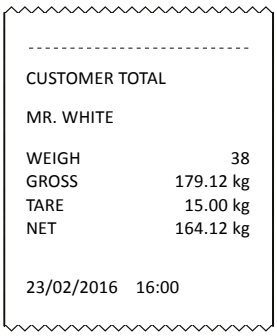
4.



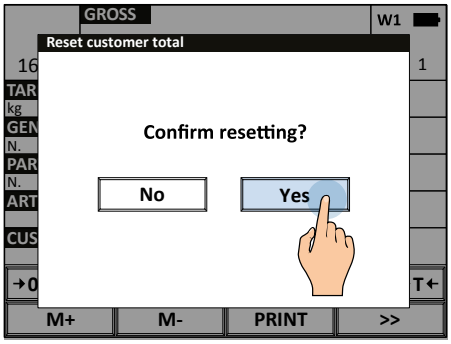
5.



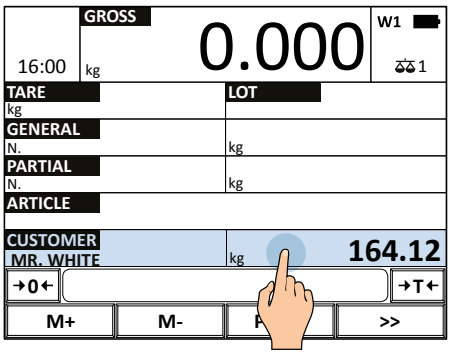
6.



7. Press YES to reset the total, press NO to continue the accumulation in progress.



Alternative



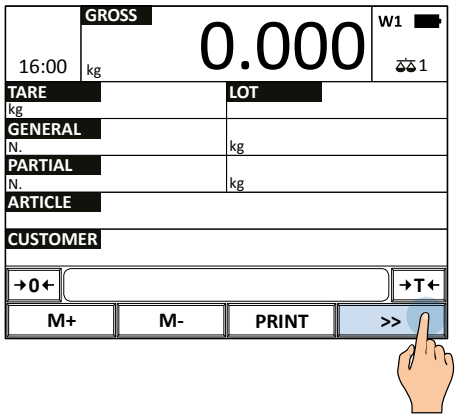
i

You can enter a direct recall of the print function on the main screen.
(Requires advanced configuration)

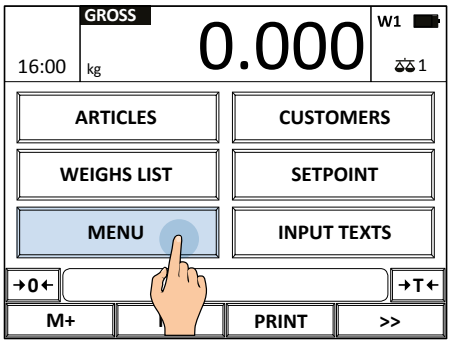
How to print and reset the total of handled customers

USE	Allows you to automatically print in sequence the total of all the customers handled (i.e. all customers that have an accumulated total).
APPLICATIONS	Report to check the flow of customers in the database.
ACTIVATION	Standard active function.

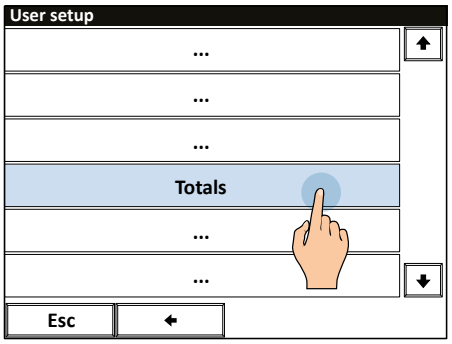
1.



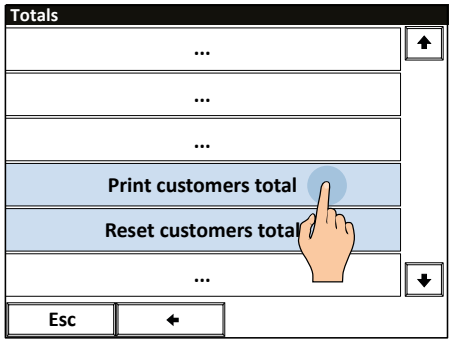
2.



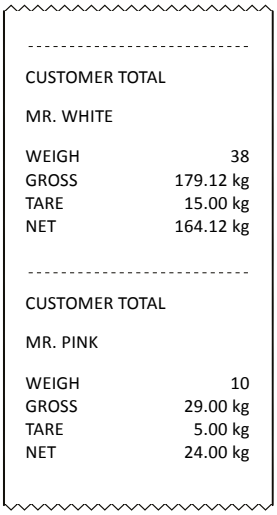
3.



4.



5.



CUSTOMER TOTAL

MR. WHITE

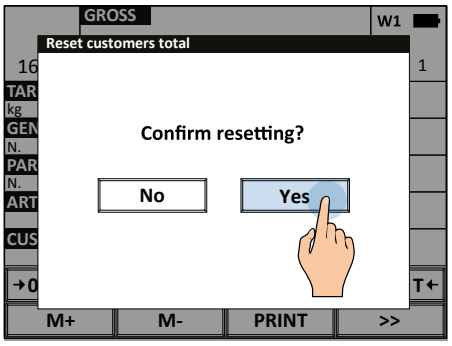
WEIGH	38
GROSS	179.12 kg
TARE	15.00 kg
NET	164.12 kg

CUSTOMER TOTAL

MR. PINK

WEIGH	10
GROSS	29.00 kg
TARE	5.00 kg
NET	24.00 kg

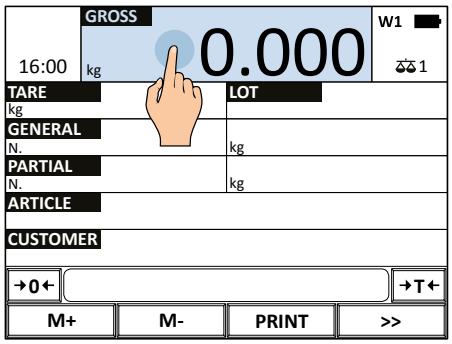
6. Press YES to reset the total, press NO to continue the accumulation in progress.



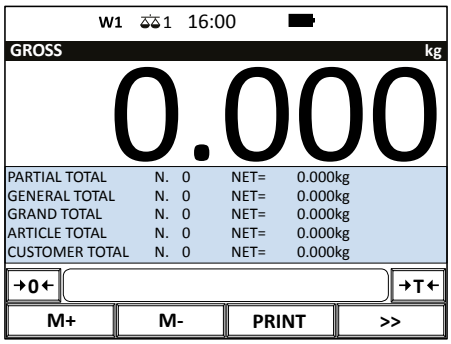
How to view the summary of accumulated totals

USE	Allows you to view a summary of the totals accumulated up to that point.
ACTIVATION	Standard active function.

1.



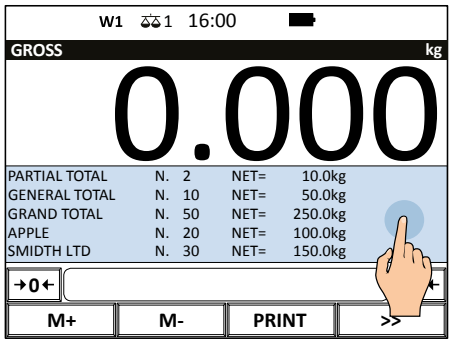
2.



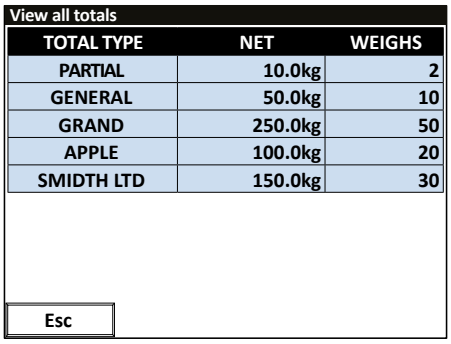
This view shows the total of the article and customer selected at that time.

How to view the accumulated total by the desired customer / article.

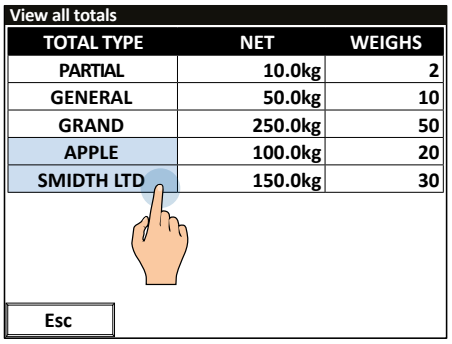
1.



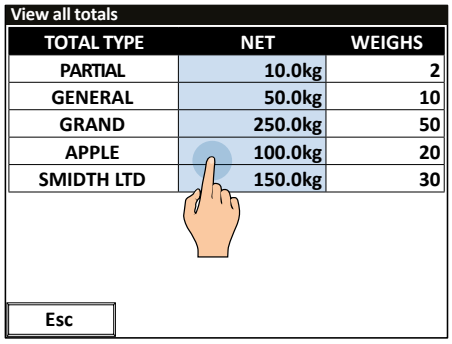
2.



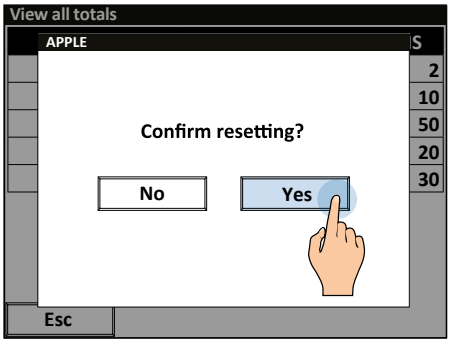
3. Click on the article / customer to choose the desired one



How to print and reset the accumulated total by the desired customer / article.



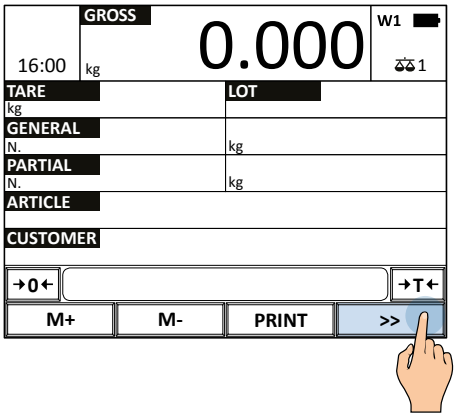
2.



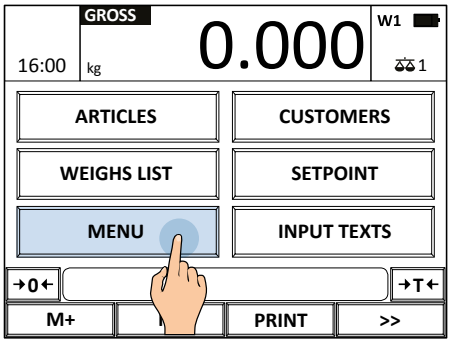
How to reset all totals

USE	Allows you to resets all the scale totals in one step.
ACTIVATION	Standard active function.

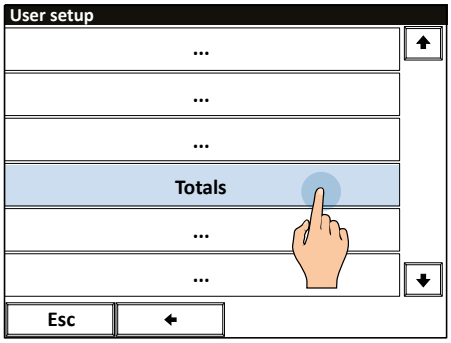
1.



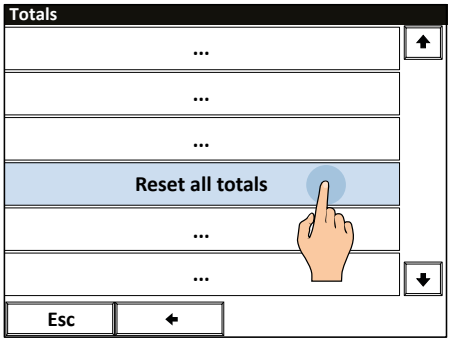
2.



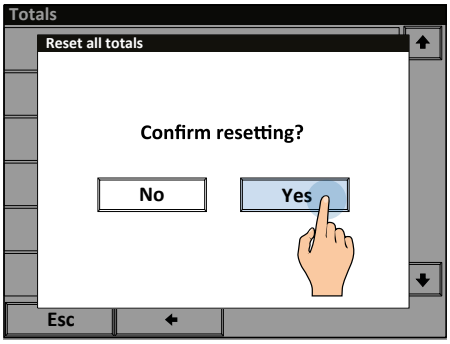
3.



4.



5.



Progressive counters

USE	They increase independently at every weigh or at every total reset to obtain specific operations. Every counter resets independently and can be printed or sent to the IT system.
APPLICATIONS	Labelling / packaging / Lot management.
ACTIVATION	The progressive counters all come standard active.

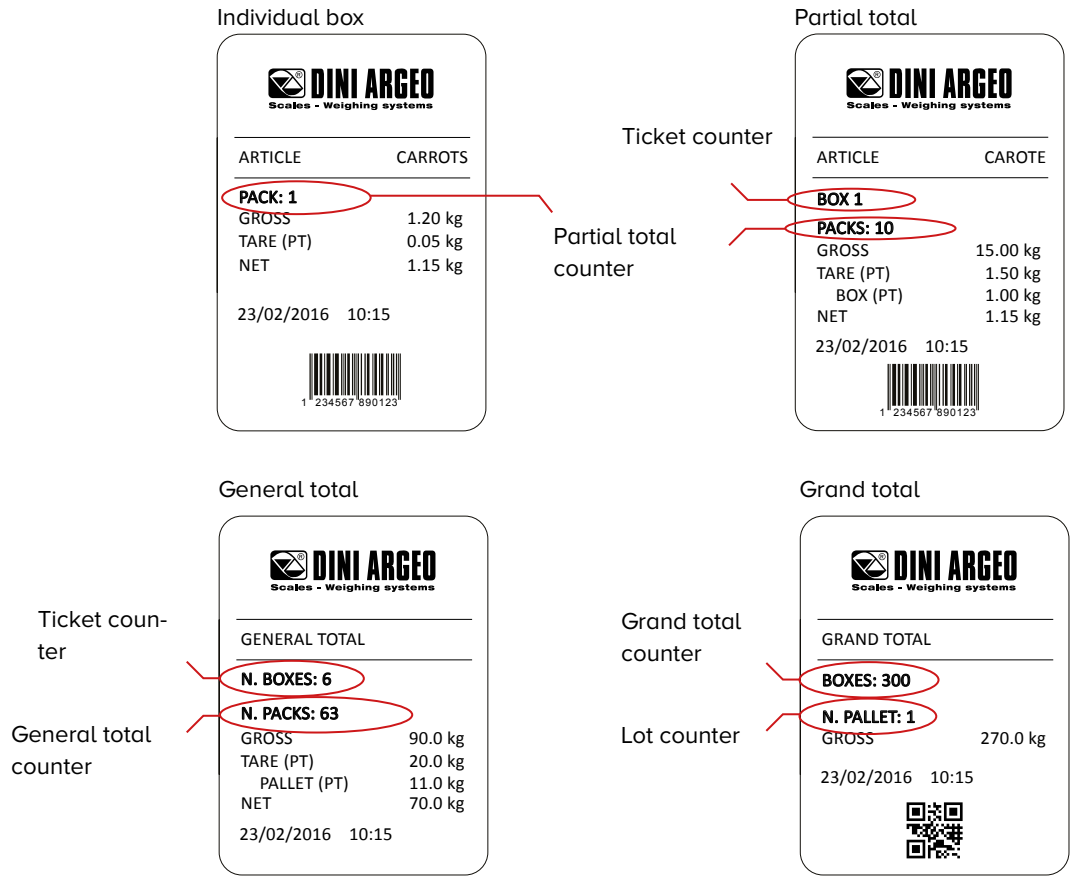
The instrument has the following progressive counters that increase by 1 for each weighing:

- **Partial total weigh counter.**
- **General total weigh counter.**
- **Grand total weigh counter.**
- **Selected article weigh counter.**
- **Selected customer weigh counter.**

Moreover, two more reset progressives are available:

- **Ticket counter:** it increases at each partial total reset and can start from the desired number.
- **Lot counter:** it increases at every general total reset.

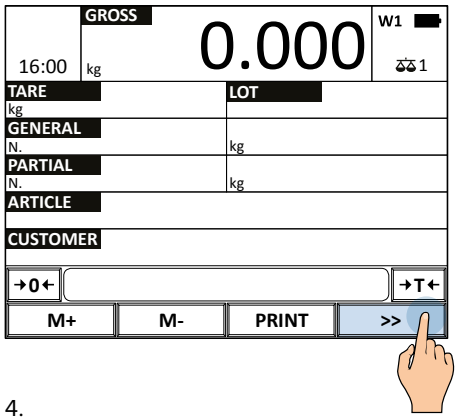
Example of use:



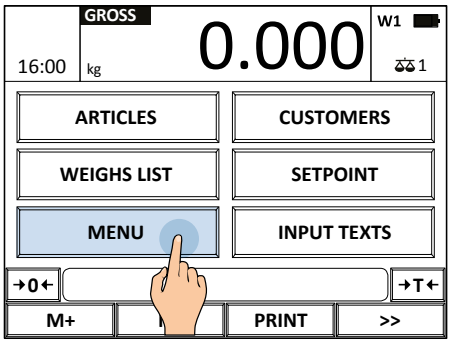
Selecting the number of counter digits

USE	You can choose how many digits with which to express the counter in print and, consequently, the count restart threshold. For example, by setting 4 the counter is reset every 9999 weighs.

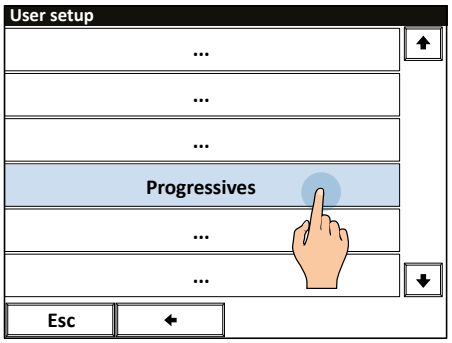
1.



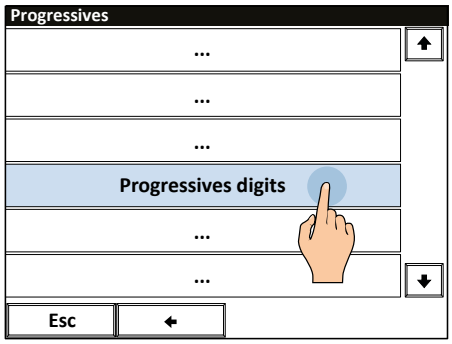
2.



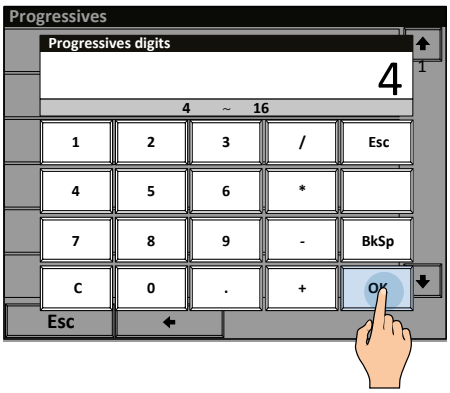
3.



4.



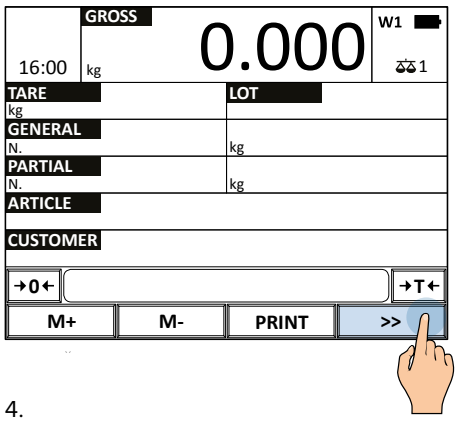
5.



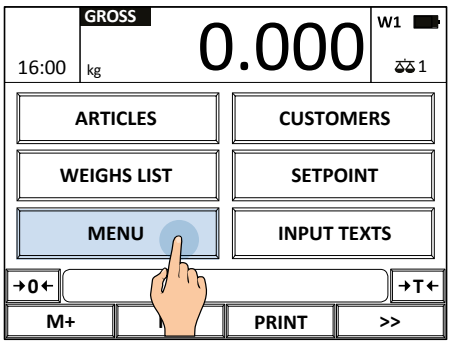
Counter with free progressive value (additional value)

USE	At every weigh, this counter increments by the set number. For example, by 2, by 5, by 10, etc.
ACTIVATION	Printing this counter requires advanced configuration.

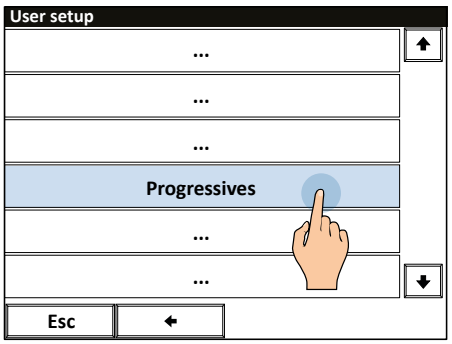
1.



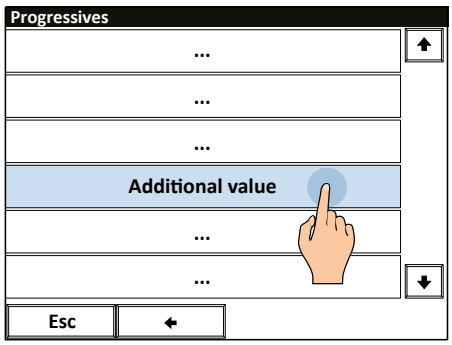
2.



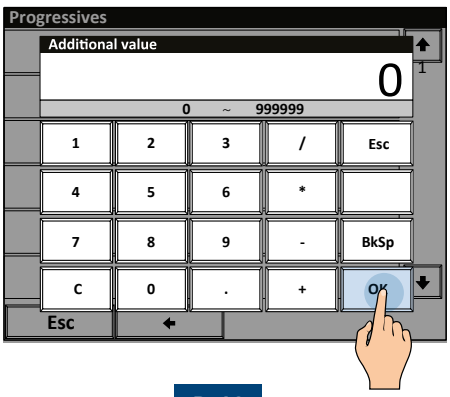
3.



4.



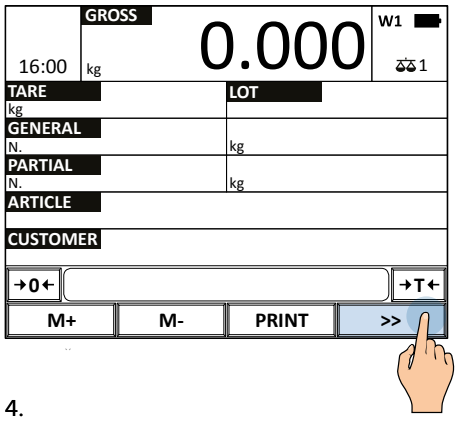
5.



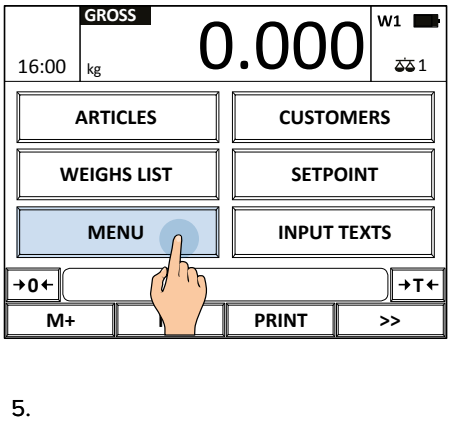
Setting the initial value of the ticket counter

USE	The progressive count starts from the desired value, freely configurable.

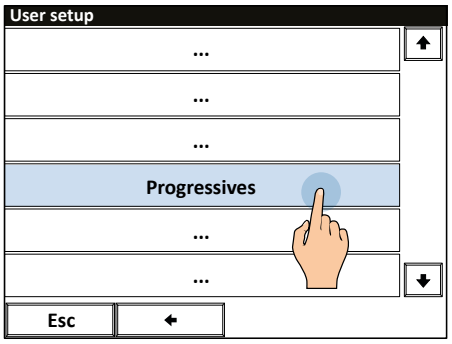
1.



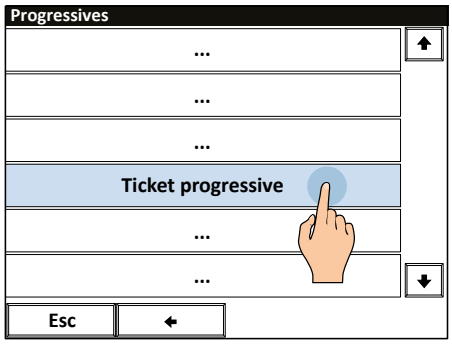
2.



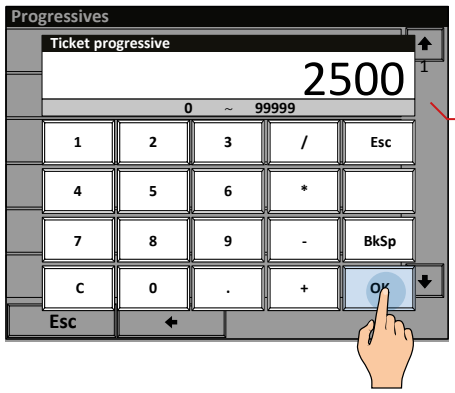
3.



4.



5.

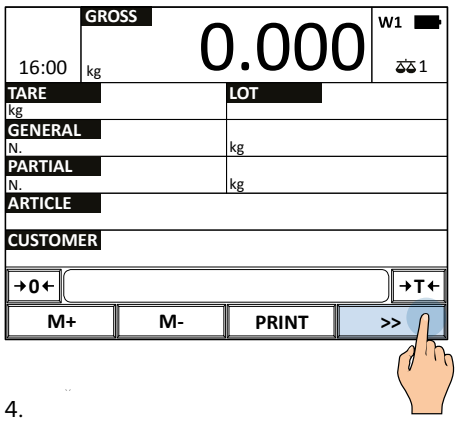




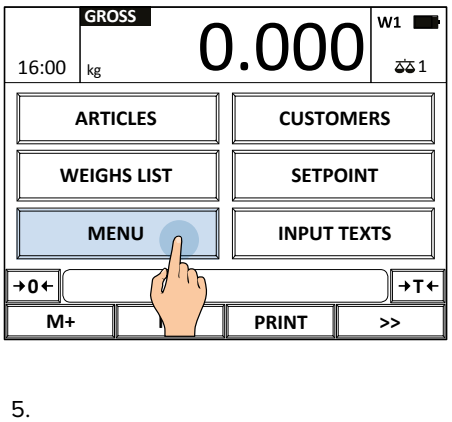
Lot counter reset

USE	Allows you to reset the lot counter to start back at zero.

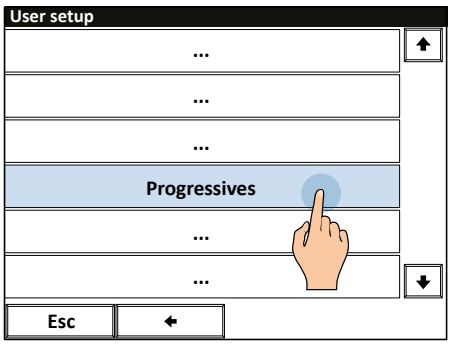
1.



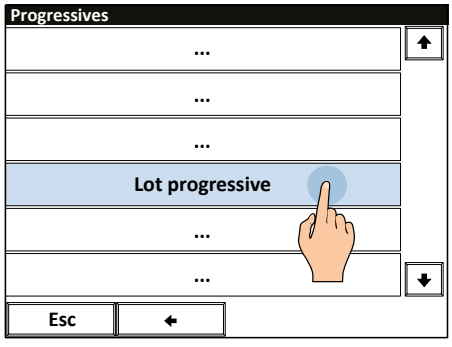
2.



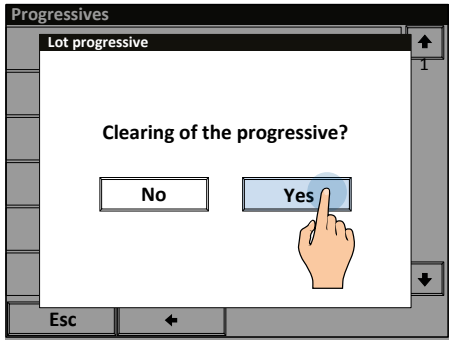
3.



4.

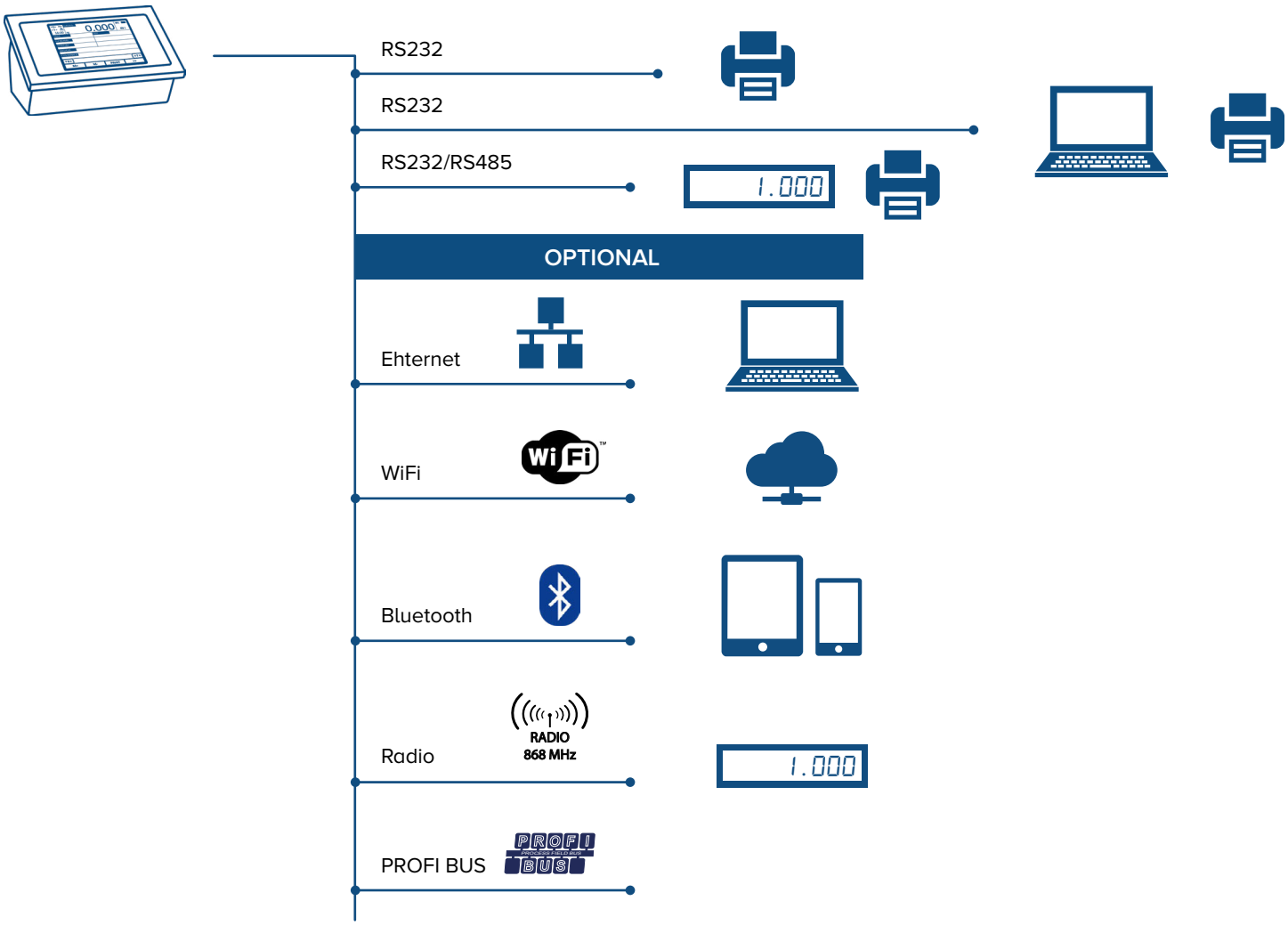


5.



Data printing / Communication / Transmission

The indicator has 3 serial ports to communicate with one or more printers / labellers, PCs and weight repeaters.
Alternatively, you can expand the communication with the company IT system, tablet and Smartphone, cloud or PLC by adding the available optional interfaces:

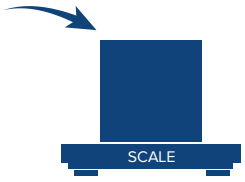


The communication protocol can be fully customised to easily integrate the weight indicator into existing systems that use other brand scales without having to change the programs being used.

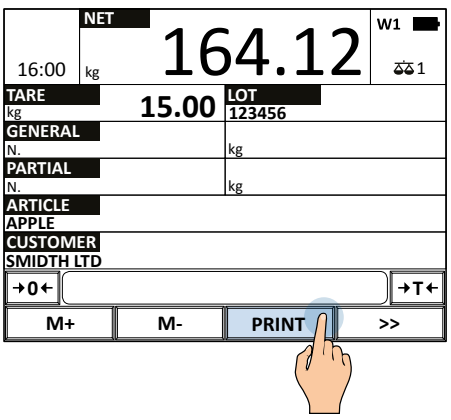
Simple print

USE	Allows you to print weighs without accumulating them in the totals.
APPLICATIONS	Internal controls / Traceability.
ACTIVATION	Standard active function.

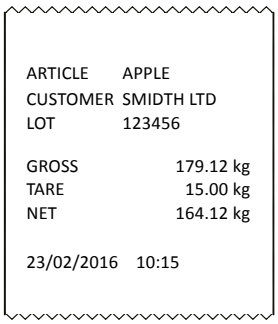
1.



2.



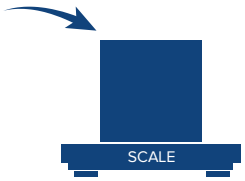
3.



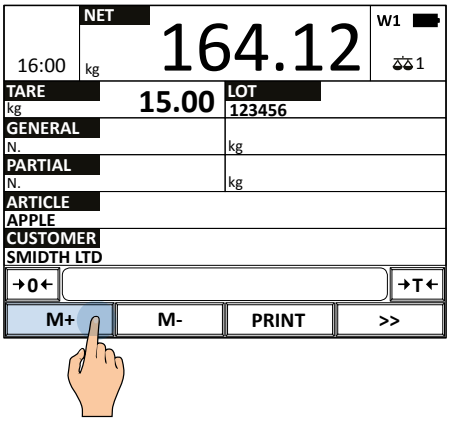
Printing at each weigh

USE	Allows you to issue receipts or labels, in single or multi copy, at each accumulated weigh.
APPLICATIONS	Labelling of individual packages or packing list.
ACTIVATION	Standard active function.

1.



2.



3. Automatic printing at every totalisation

ARTICLE APPLE
CUSTOMER SMIDTH LTD
LOT 123456

GROSS 179.12 kg
TARE 15.00 kg
NET 164.12 kg

23/02/2016 10:15

Customisable print format

USE	Allows you to fully customize each ticket / label printed out from the scale.
APPLICATIONS	Labelling of individual packages or packing list.
ACTIVATION	It requires advanced configuration.





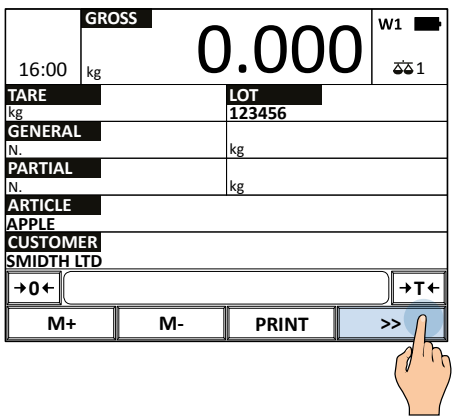


Over 300 data available to print
- Weights
- Descriptions
- Texts
- Traceability Data
- Images
- Logos
- Bar codes / QR Codes
- Dates (production, packaging, deadline etc)
- Lot
- Operator

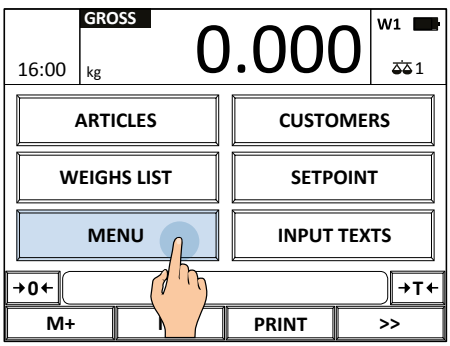
Multi-copy printing

USE	Allows you to issue up to 5 copies of the same receipt/label
APPLICATIONS	Labelling / Packaging
ACTIVATION	Standard active function.

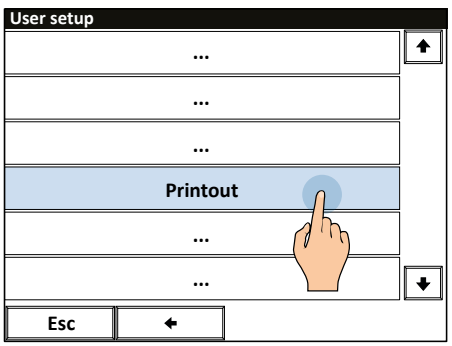
1.



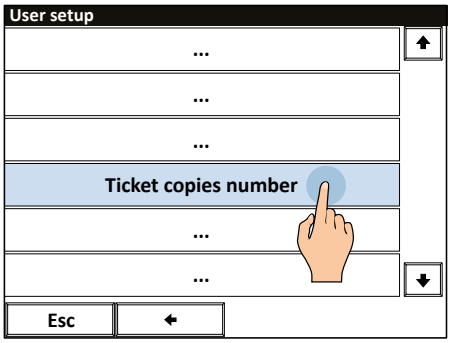
2.



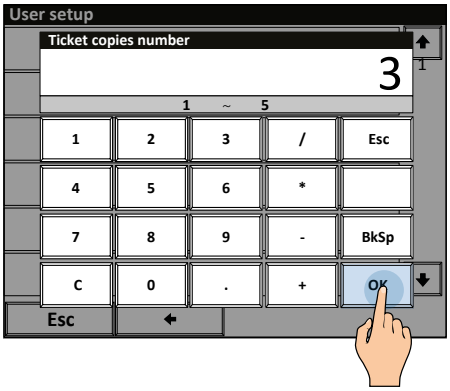
3.



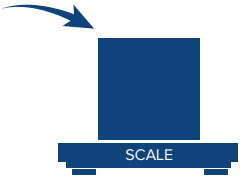
4.



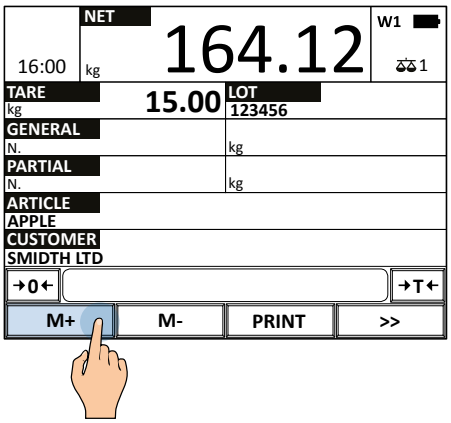
5. Enter the number of copies and press OK to confirm



6.



7.



8. Automatic multi-copy printing at every totalisation

Copy 1

ARTICLE	APPLE
CUSTOMER	SMIDTH LTD
LOT	123456
GROSS	179.12 kg
TARE	15.00 kg
NET	164.12 kg
23/02/2016	10:15

Copy 2

ARTICLE	APPLE
CUSTOMER	SMIDTH LTD
LOT	123456
GROSS	179.12 kg
TARE	15.00 kg
NET	164.12 kg
23/02/2016	10:15

Copy 3

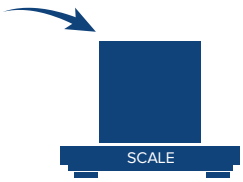
ARTICLE	APPLE
CUSTOMER	SMIDTH LTD
LOT	123456
GROSS	179.12 kg
TARE	15.00 kg
NET	164.12 kg
23/02/2016	10:15

Automatic printing

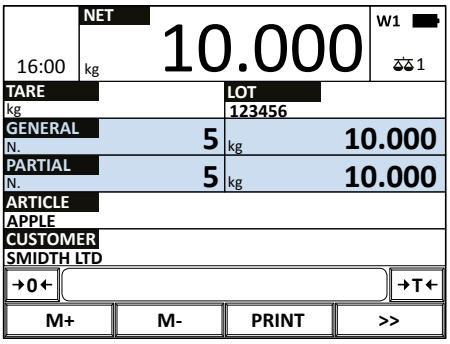
USE	Allows you to automatically issue tickets or labels, in single or multi copy, for each recorded weigh, speeding up the production cycle.
APPLICATIONS	Labelling large amounts of material.
ACTIVATION	It requires advanced configuration.

1. Enable the automatic totalisation function
2. Enable a quick filter

3.



4. Increase of the totals



5. Automatic printing at every totalisation

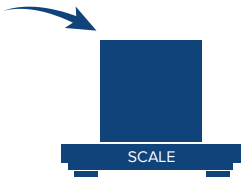
ARTICLE	APPLE
CUSTOMER	SMIDTH LTD
LOT	123456
WEIGH	5
GROSS	10.000 kg
TARE	0.000 kg
NET	10.000 kg
23/02/2016	10:15

i To achieve maximum print speeds, we recommend enabling a weighing filter appropriate for the application.

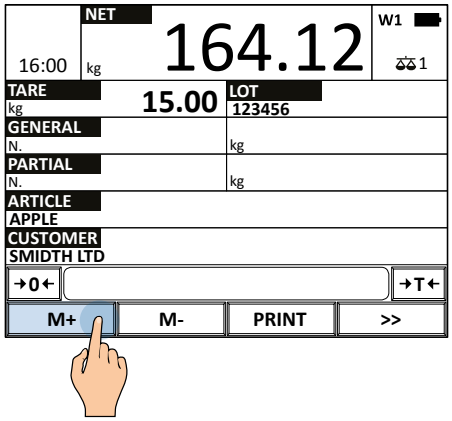
Repeat last printing

USE	Allows you to printout a copy of the last ticket / label printed out from the scale.
APPLICATIONS	Labelling of individual packages or packing list.
ACTIVATION	Standard active function.

1.



2.



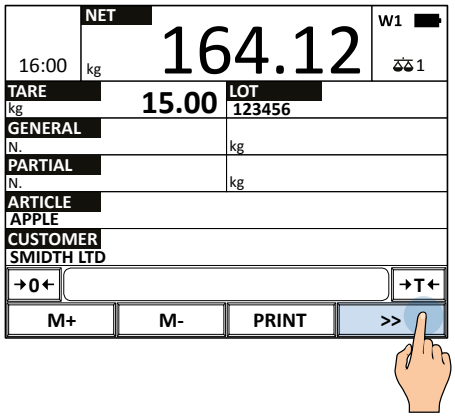
3. Automatic printing at every totalisation

ARTICOLO APPLE
CLIENTE SMIDTH LTD
LOTTO 123456

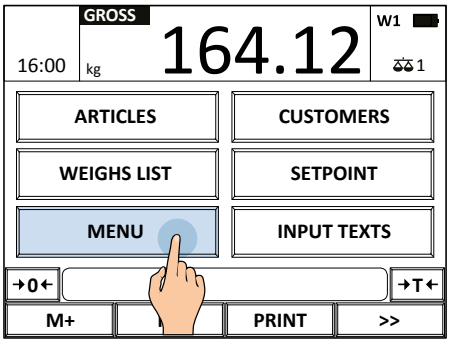
LORDO 179.12 kg
TARA 15.00 kg
NETTO 164.12 kg

23/02/2016 10:15

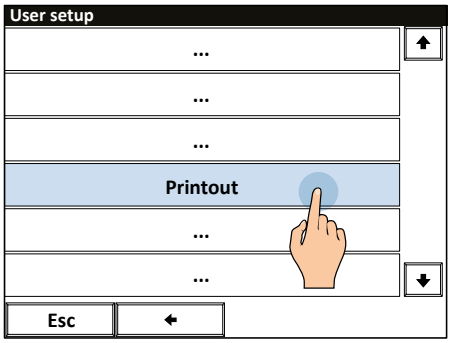
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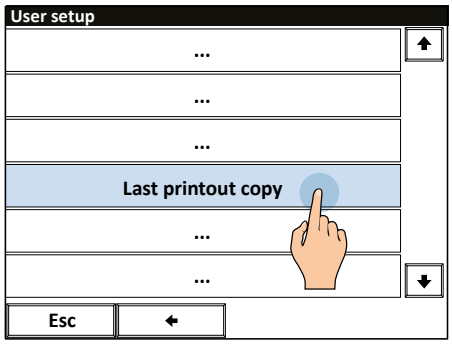
5.



6.



7.



8.

ARTICLE APPLE
CUSTOMER SMIDTH LTD
LOT 123456

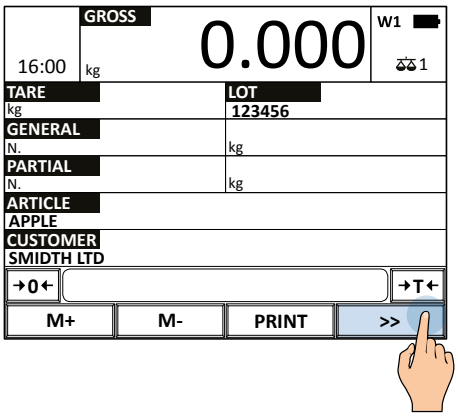
GROSS 179.12 kg
TARE 15.00 kg
NET 164.12 kg

23/02/2016 10:15

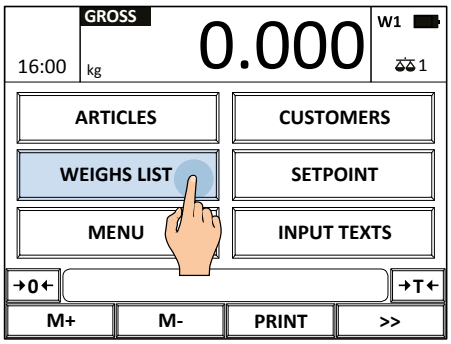
How to print and reset generic packing lists

USE	Allows you to print the list of last weighs (up to 1000) performed so far.
APPLICATIONS	Report / Detailed account
ACTIVATION	Standard active function

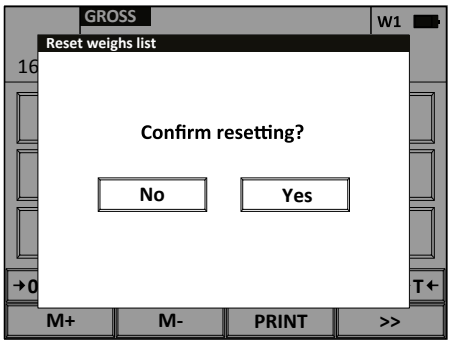
1.



2.



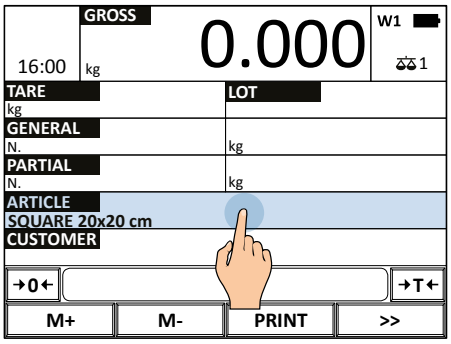
3. Press YES to reset the list, press NO to continue.



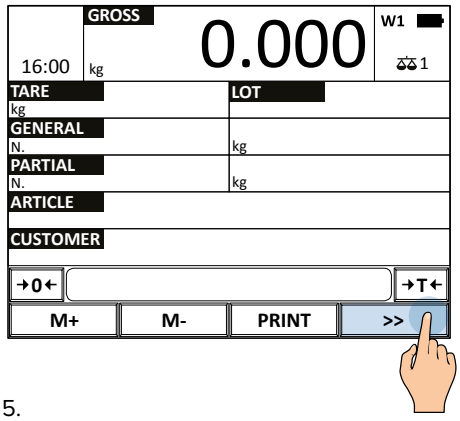
How to print and reset packing lists per article

USE	Allows you to print the last weighs (up to 1000) regarding the selected article.
APPLICATIONS	Report / Detailed account
ACTIVATION	Standard active function

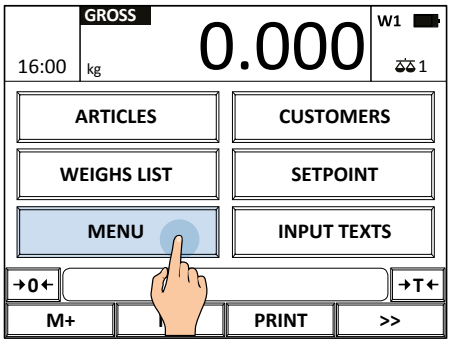
1. Select the article



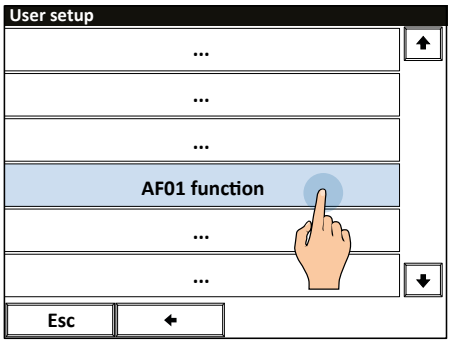
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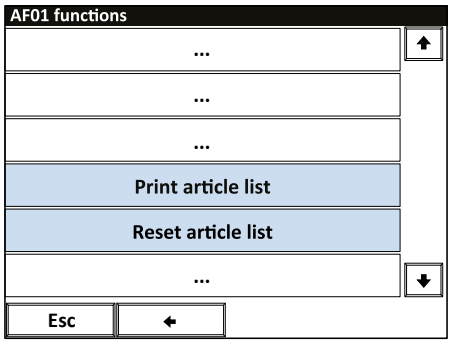
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4.



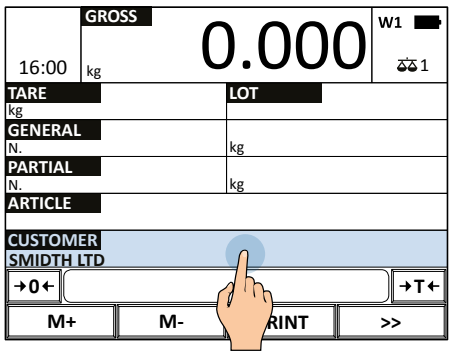
5.



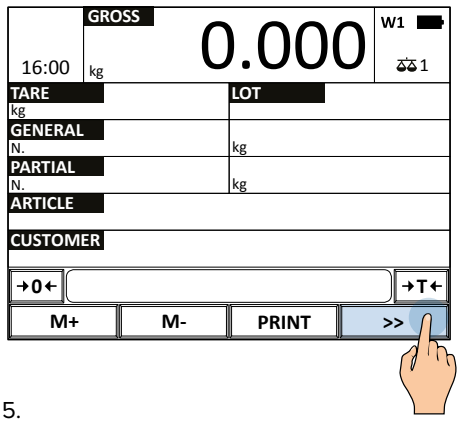
How to print and reset packing lists per customer

USE	Allows you to print the last weighs (up to 1000) regarding the selected customer.
APPLICATIONS	Report / Detailed account
ACTIVATION	Standard active function

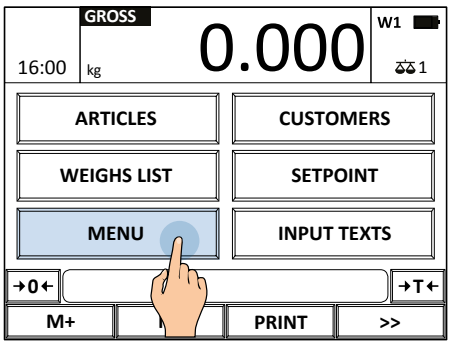
1. Select the article



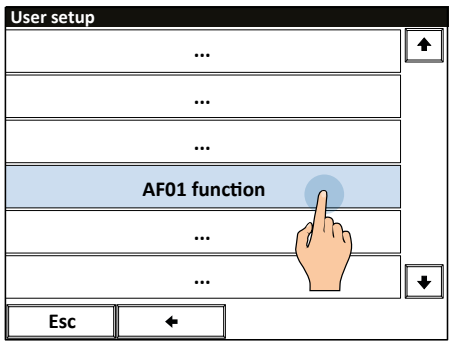
2.



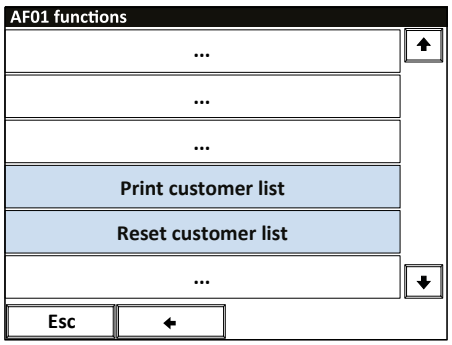
3.



4.



5.

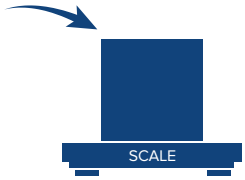


Real time saving on portable USB device

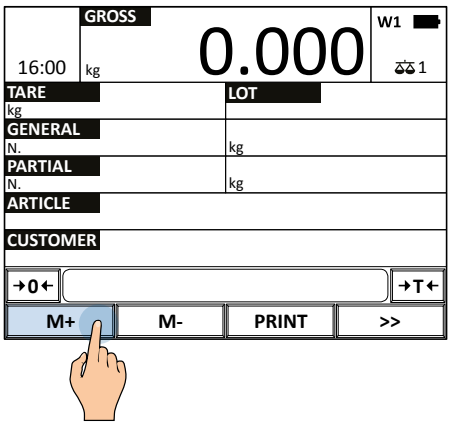
USE	Allows you to have a backup of more than 5,000,000 weighs and correlated data.
APPLICATIONS	• Production traceability • Control reporting • Giving operators responsibility
ACTIVATION	It requires advanced configuration.

Note: while weighing, the USB drive must be installed

1.



2.



3. Automatic saving to a USB device



4.



N.	ARTICLE	CUSTOMER	LOT	NET (kg)	TARE (kg)	DATE
1	APPLE	SMIDTH LTD	A22	10.20	1.20	01-03-16
2	PEACH	WHITE LTD	A24	22.76	1.20	01-03-16
3	BANANA	BLACK LTD	A22	67.54	5.70	01-03-16
4	PEAR	RED LTD	S34	54.98	4.30	01-03-16
5	KIWI	SMIDTH LTD	A27	65.34	5.20	01-03-16
6	MANGO	WHITE LTD	A56	12.00	1.20	01-03-16
7	PLUM	BLACK LTD	A23	34.87	2.50	01-03-16
8	PAPAYA	SMIDTH LTD	B54	54.00	4.20	01-03-16
9	PINEAPPLE	SMIDTH LTD	V43	32.00	3.10	01-03-16

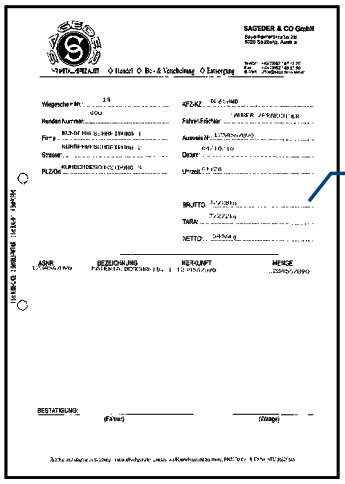
The data saved for each weigh are fully customisable, with descriptions, texts, weights and many other data as necessary.

Saving on alibi memory

USE	The fiscal memory allows you to transfer the weighs performed to the IT system for use in commercial transactions with third parties.
APPLICATIONS	Entering the weight in transport documents, invoices, reports for commercial transactions with third parties.
ACTIVATION	It requires advanced configuration.

Every print or totalisation is recorded on the fiscal memory and identified by a unique numeric code, which must be noted along with the weight on the documents issued

Example:

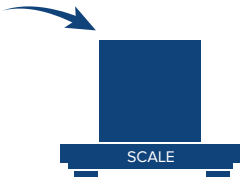


Weight
123.0kg (00000-000260)

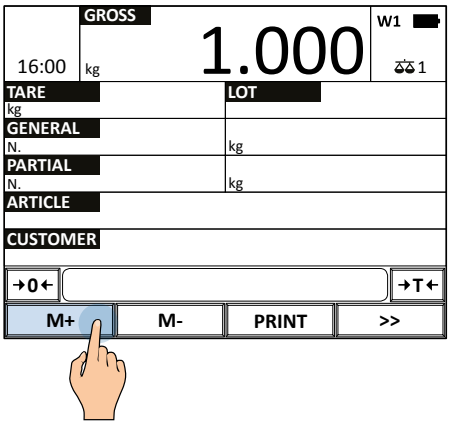
This code allows you to trace and verify the weight data on the indicator in the event of any disputes, demonstrating the correctness of the indicated weight.

How to record a weigh

1.



2.



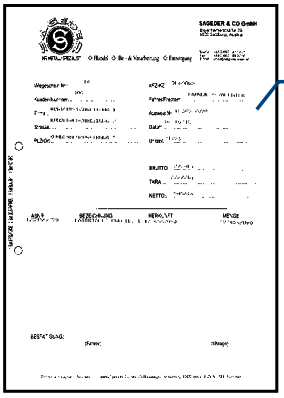
3. Automatic printing at every totalisation



Alibi memory reading

USE	Allows you to check a weigh saved in the alibi memory.
APPLICATIONS	Quality control / traceability / verification
ACTIVATION	The fiscal memory (alibi memory) is integrated as standard in the main board of the indicator. It requires advanced configuration.

Example:

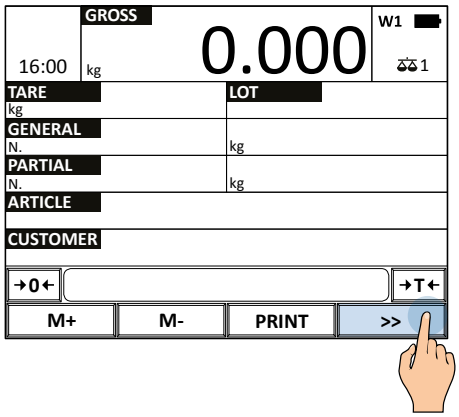


Alibi memory ID code to verify:

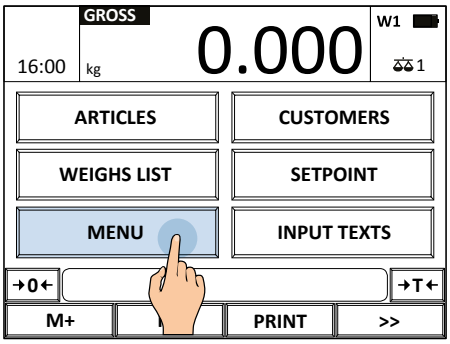
123.0kg (0 - 260)

Rewriting number — Weigh number

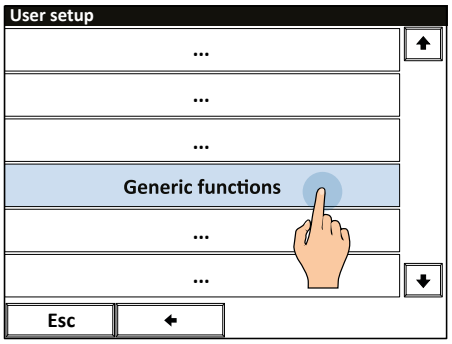
1.



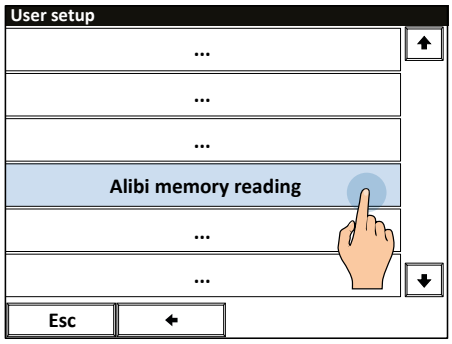
2.



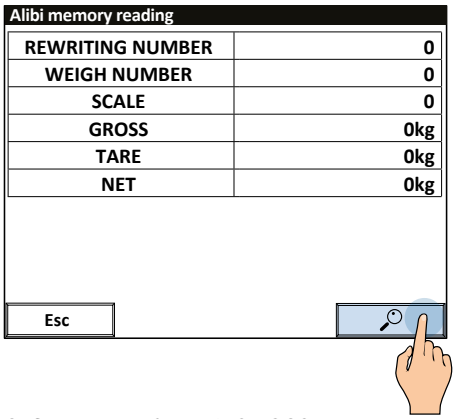
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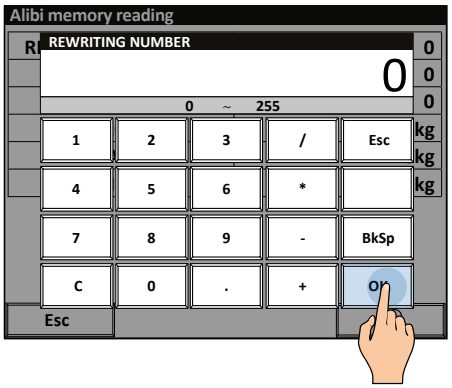
4.



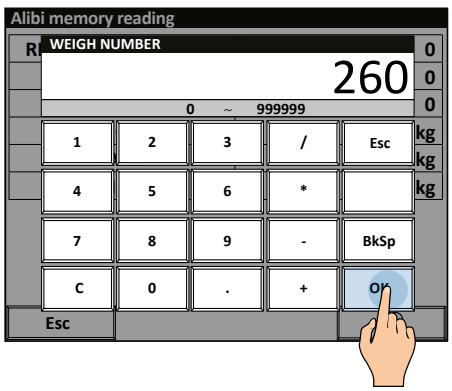
5.



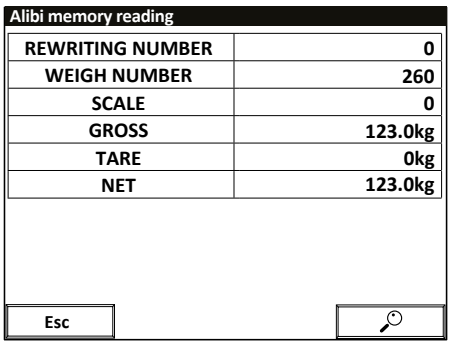
6. Enter the “rewriting number”



7. Enter the “weigh number”



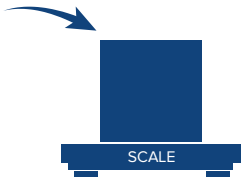
8. Summary of weigh 0 - 260.



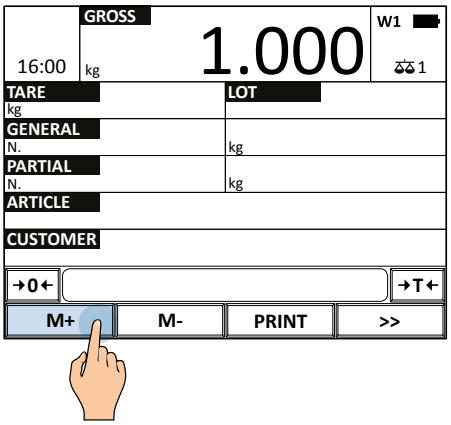
Saving weighs to PC via “WeiMonitor” program

USE	“WeiMonitor” is a computer program that allows you to receive and save each weigh in real time, with all the related traceability data (descriptions, Lot, operator, date, etc.)
APPLICATIONS	Traceability / Production monitoring
ACTIVATION	The “WeiMonitor” program is optional, requires a license and advanced configuration.

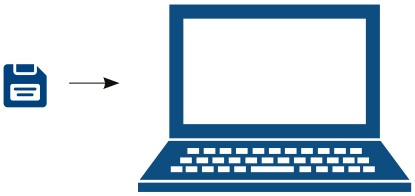
1.



2.



3. Automatic save to PC using “WeiMonitor” program



4.



N.	ARTICLE	CUSTOMER	LOT	NET (kg)	TARE (kg)	DATE
1	APPLE	SMIDTH LTD	A22	10.20	1.20	01-03-16
2	PEACH	WHITE LTD	A24	22.76	1.20	01-03-16
3	BANANA	BLACK LTD	A22	67.54	5.70	01-03-16
4	PEAR	RED LTD	S34	54.98	4.30	01-03-16
5	KIWI	SMIDTH LTD	A27	65.34	5.20	01-03-16

i

Communication between scale and PC occurs via RS232, USB, Ethernet or WiFi. *(E-1)*
Notes on “WeiMonitor”:
- It installs easily and only requires a serial or Ethernet connection with the scale.
- It can record weights on multiple scales simultaneously.
- The stored data can be customised to suit your needs.
- It includes the keyboard emulation function to enter the weight directly in the open document.
- It can record weights for preset periods and plot graphs.

Customising the weight indicator

The strength of the product you have purchased is its ability to be customised to perfectly integrate into the application for which it is intended. You can customise:

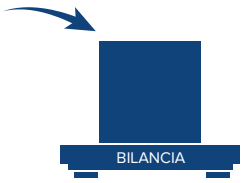
- The main work screen, making it easy and intuitive for operators, reducing the possibility of errors.
- Operational sequences, to guide employees in operations, speeding up processes.
- Operational messages, important to warn or remind of any peculiarities or errors during weighing operations.
- You can customise the application to integrate the scale into pre-existing weighing systems.
- Communication protocol, useful to interface the scale with pre-existing programs.

Operating sequences

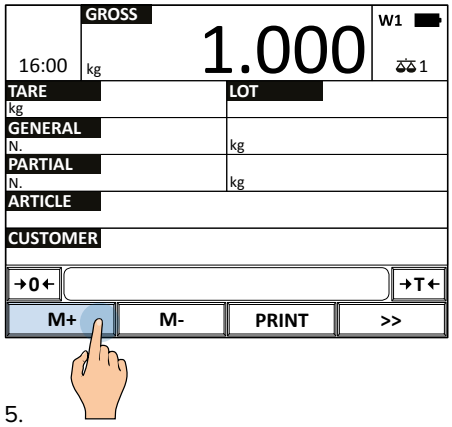
USE	Allow you to create wizards to speed up the operator's work, reducing errors. You can create up to 10 different wizards, each made up of 10 consecutive operations. Each sequence can be combined with any key or text box on the main screen.
APPLICATIONS	Wizards for the operator
ACTIVATION	It requires advanced configuration.

Example:
sequence that requires the customer and article to be selected, the operator and Lot to be filled out, the weigh to be accumulated and the label to be automatically issued:

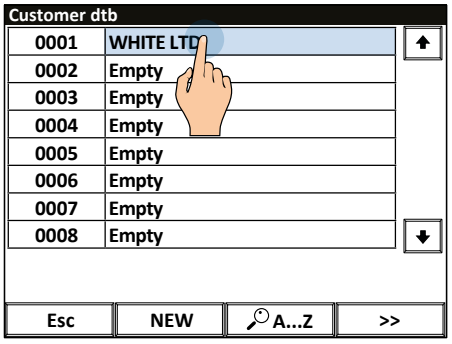
1.



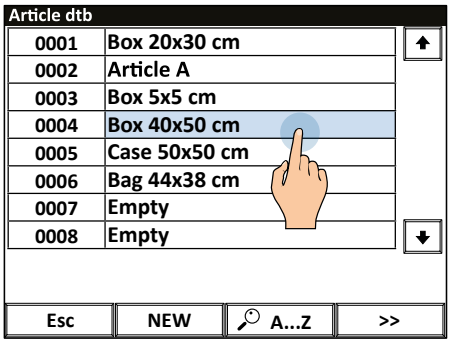
2.



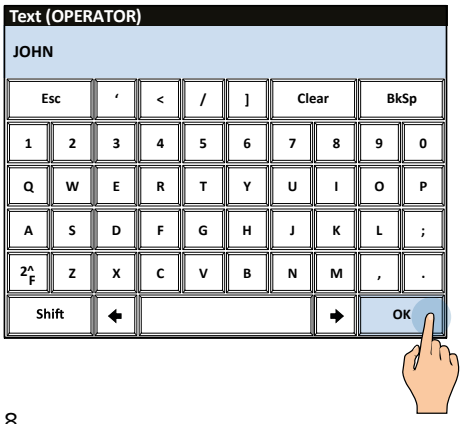
3.



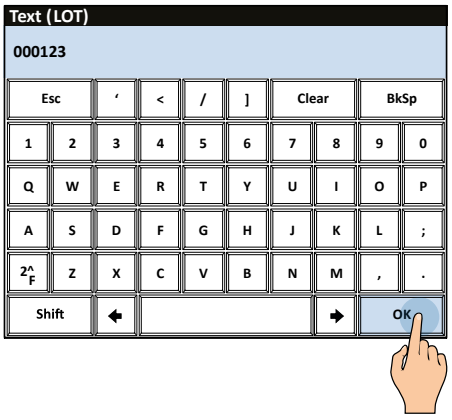
4.



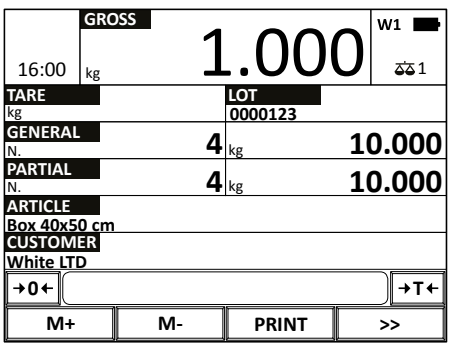
5.



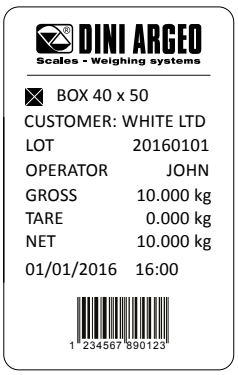
6.



7.

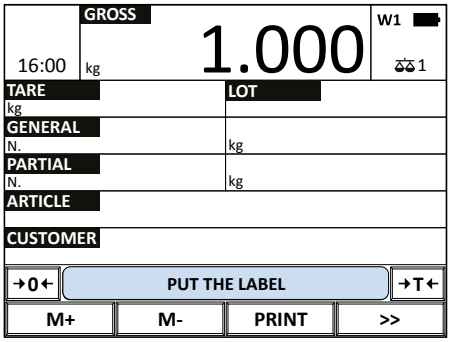


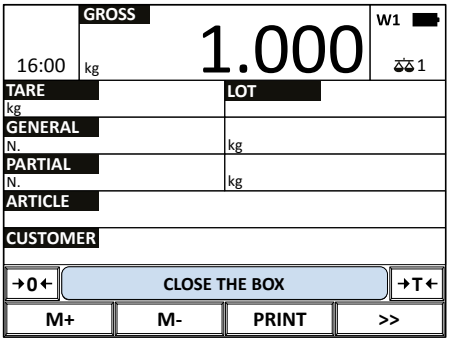
8.

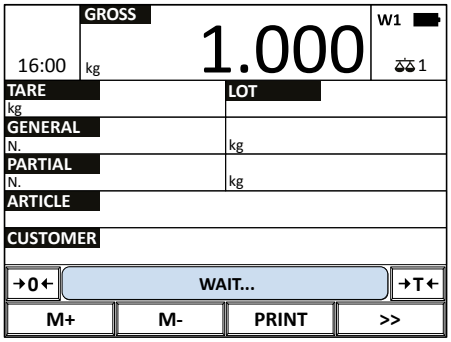


Operating messages

USE	Allow to communicate messages to the operator in the language of your choice at the desired time.
APPLICATIONS	Wizards for the operator.
ACTIVATION	It requires advanced configuration.







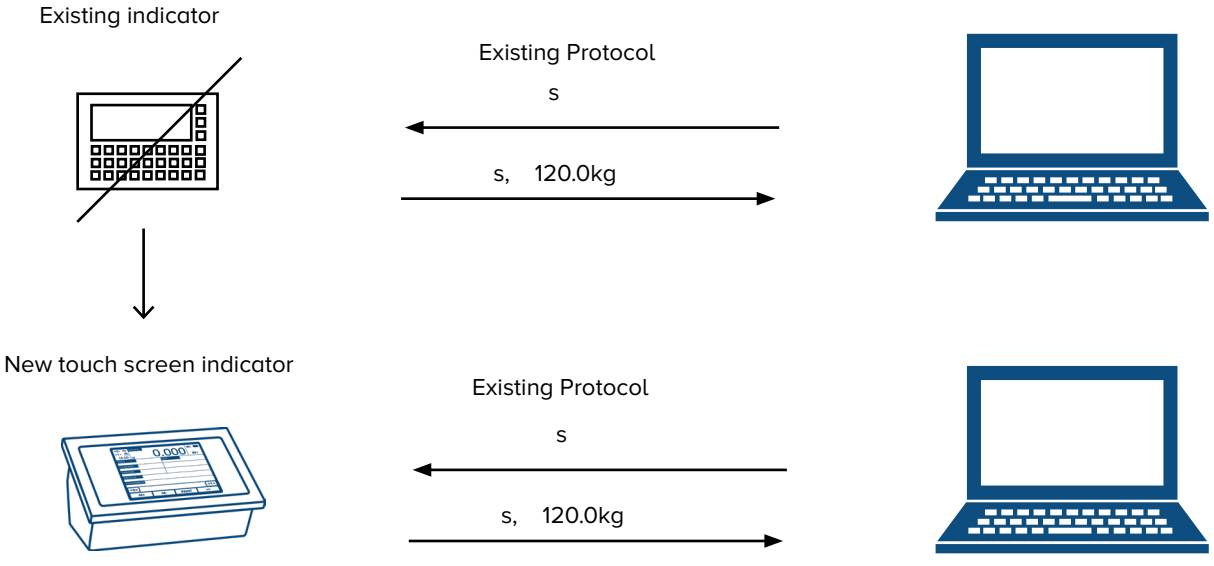
Application program

USE	The indicator has an area of memory dedicated to the development of completely customised programs, in order to further integrate the scale into the customer's production system. This important feature increases the versatility of the weight indicator you have purchased and allows you to expand the potential of the weighing system at any time. The standard programming language includes numerous preset features and all the necessary commands.
ACTIVATION	Application programs can be created by software experts.

Customising the communication protocol

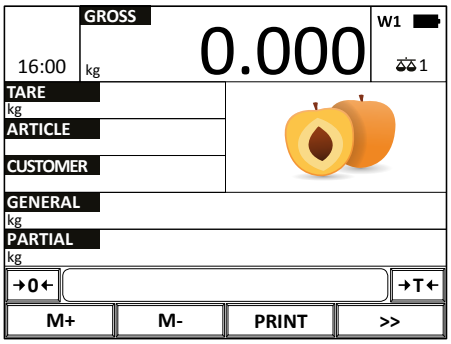
USE	Allows you to interface the weight indicator with existing PC programs without changing the existing communication protocol. This function is essential in modernising installations or replacing discontinued scales, or scales with limited functions of any brand which communicate with PC, PLC or company IT system. Customisation applies both to outgoing strings and incoming commands.
ACTIVATION	Communication protocol can be easily created by software experts.

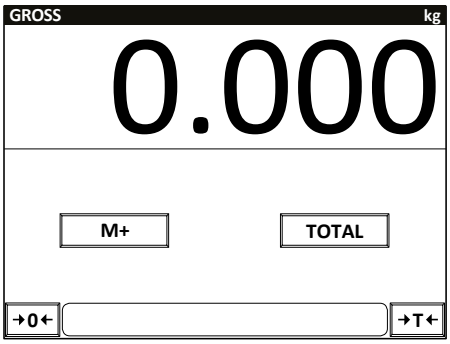
Example:

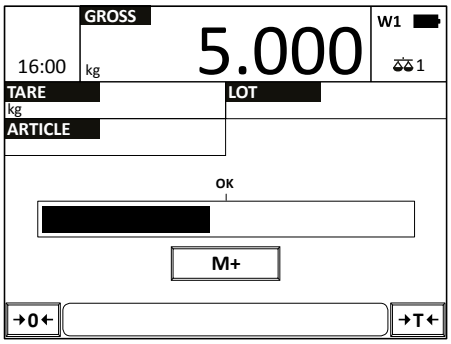


Fully customisable work screens

USE	Allows operators to view only information and operations that are essential to do their jobs correctly and without errors, or to view all the information needed in real time.
APPLICATIONS	Useful to simplify any weighing application.
ACTIVATION	It requires advanced configuration.







The indicator can display images, logos, bar graphs, synoptics, etc. You can also add or remove buttons, hot spots, and text boxes. You can create and customise up to 3 work screens that can be accessed quickly from the main one.

Customising the language / text

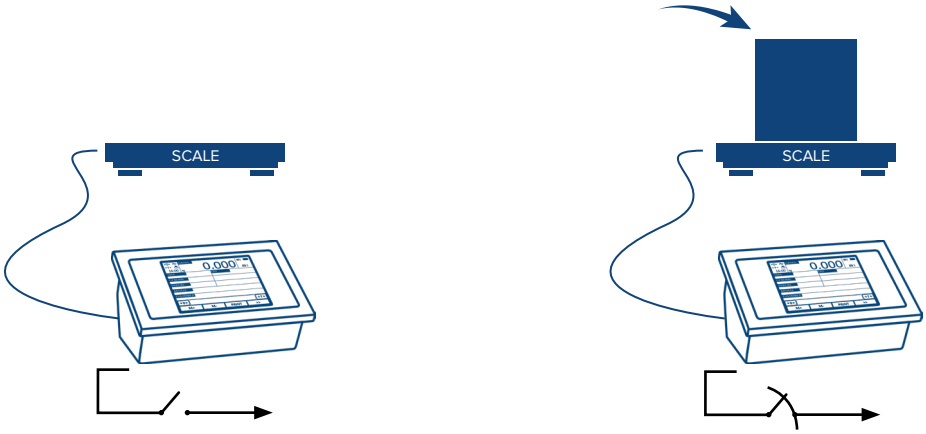
USE	You can translate / edit all messages and texts on the scale into the desired language using the “Custom Language Tool” computer program.
APPLICATIONS	Useful to facilitate the operator work.
ACTIVATION	It requires advanced configuration.

Managed page code:
- Latin 1
- Greek
- Cyrillic
- Vietnamese

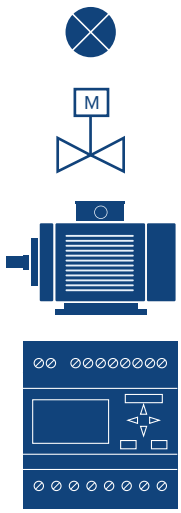
Setpoint / dosage

USE	Allows you to activate one or more digital outputs of the indicator upon reaching a certain weight or when a particular function is completed (totalisation, reset, etc.)
APPLICATIONS	Industrial automation.
ACTIVATION	It requires advanced configuration.

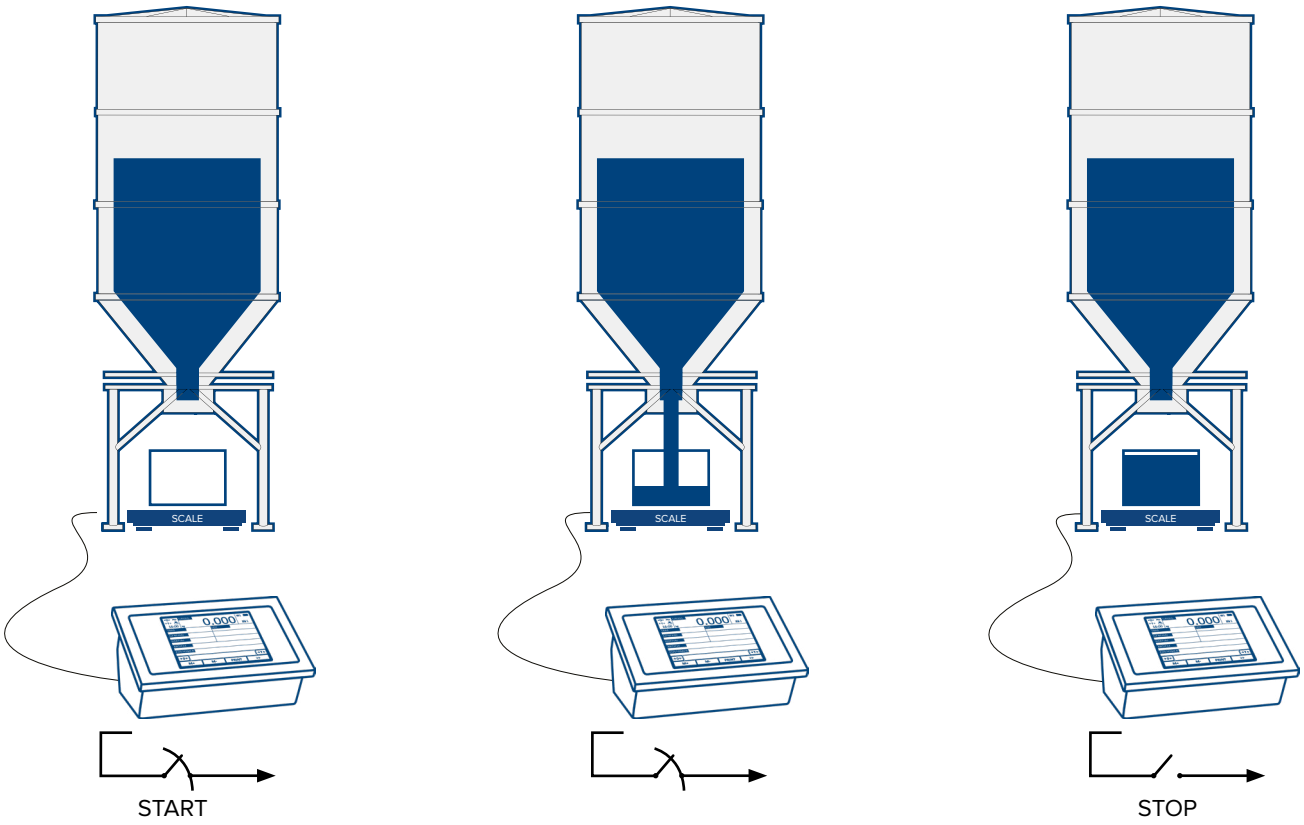
Example of N.O. setpoint upon reaching a weight with activation of actuators (lamps, motors, PLCs, valves, applicators, ejectors, etc.)



Actuators:



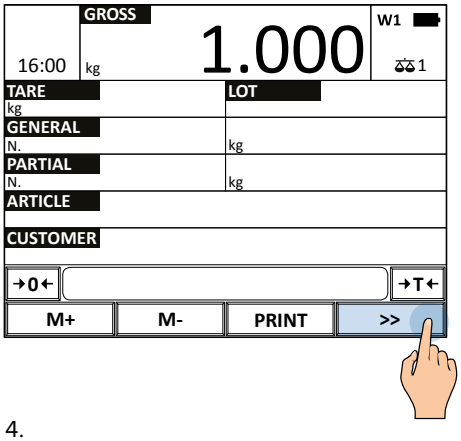
Example of dosing with N.C. setpoint



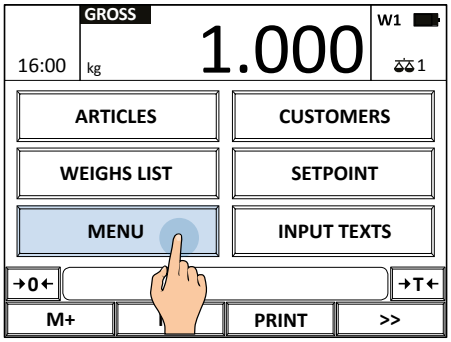
The scale has optional relay outputs, expandable up to 16 with the expansion board.

Set the activation thresholds

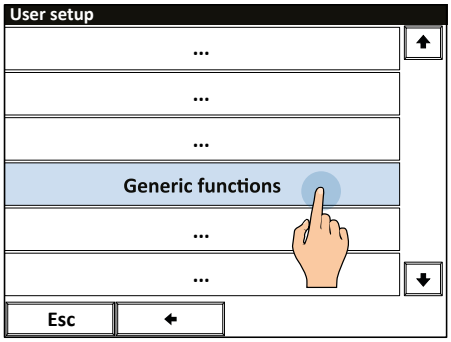
1.



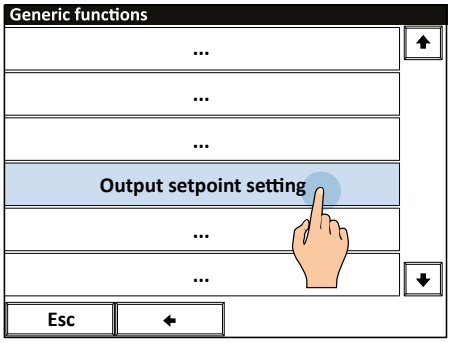
2.



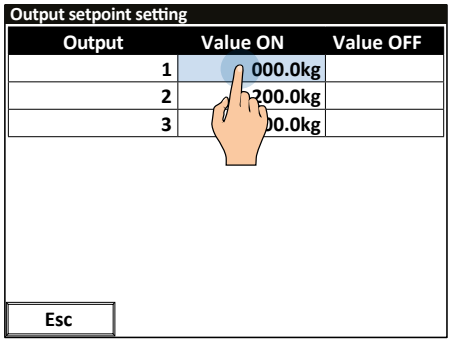
3.



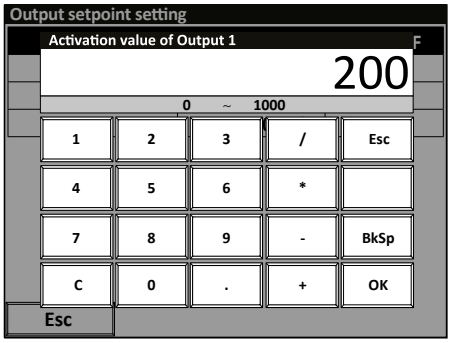
4.



5.

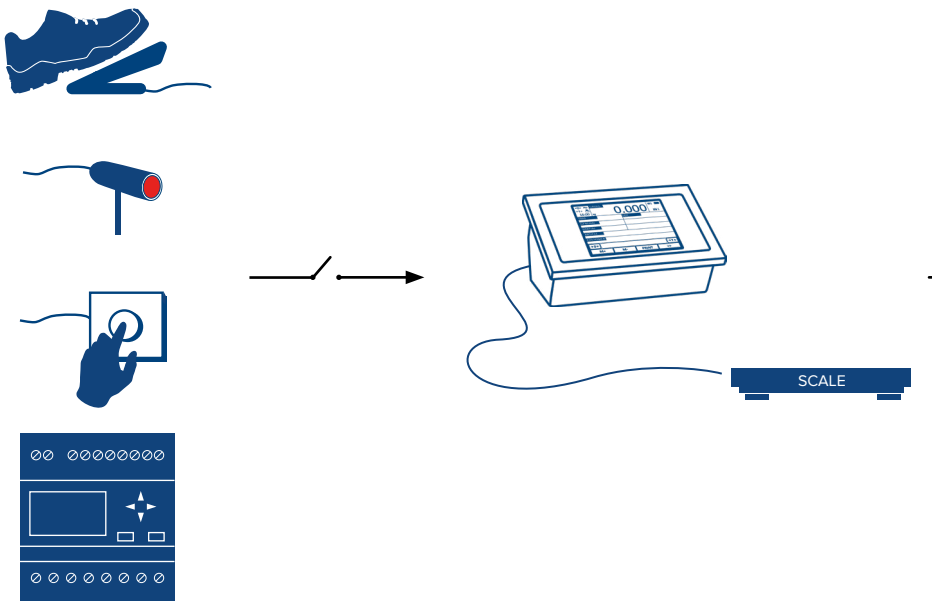


6. Set the activation (and deactivation) value.



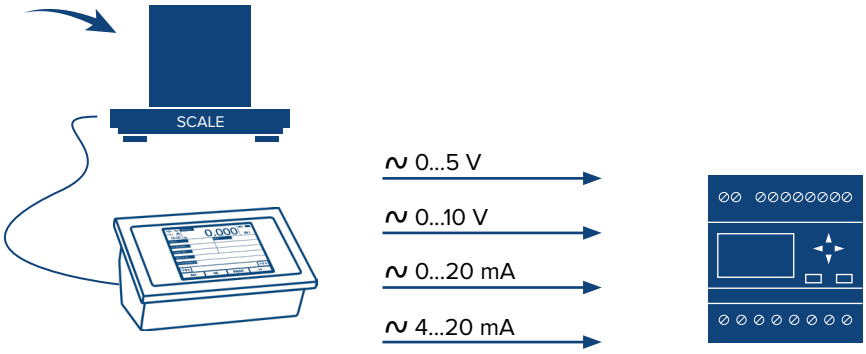
Digital inputs

USE	Allow you to receive digital signals from external devices such as photocells, contacts, PLCs, buttons, pedals, etc. and run the associated function.
APPLICATIONS	Automate weighing cycles.
ACTIVATION	It requires advanced configuration.



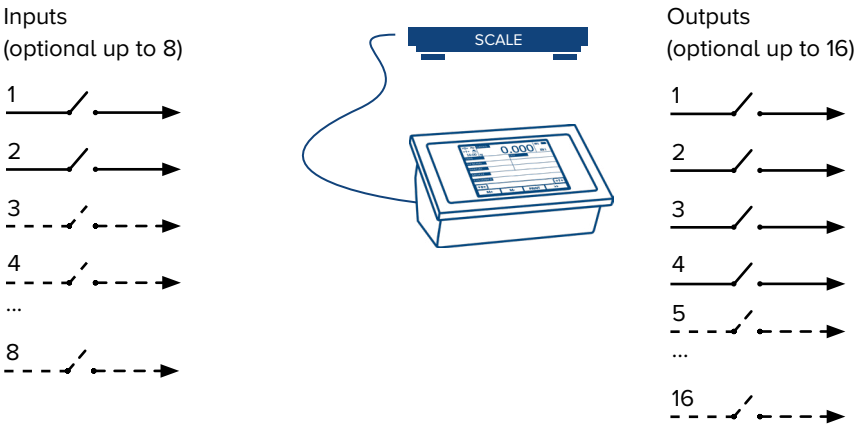
Optional 4-20mA analogue 0-10V interface

USE	Allows you to communicate with PLCs or other industrial devices, providing a voltage or current analogue signal proportional to the weight.
APPLICATIONS	Industrial automations.
ACTIVATION	It requires advanced configuration.



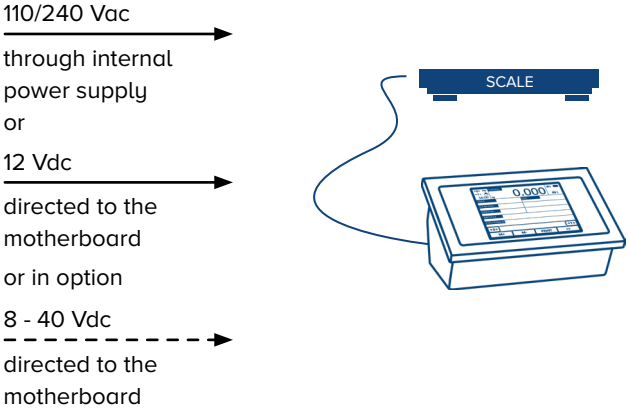
Expanding inputs and outputs

USE	Optional board that allows you to expand inputs and outputs to simultaneously communicate with multiple devices, increasing the potentialities of the scale.
APPLICATIONS	Industrial automations.
ACTIVATION	It requires advanced configuration.



Expanding power supply range

USE	Optional board that allows you to power the scale using different voltages than the standard ones.
APPLICATIONS	Industrial automations.
ACTIVATION	It requires advanced configuration.

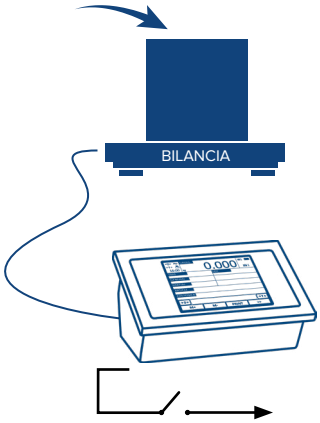


Timed relays

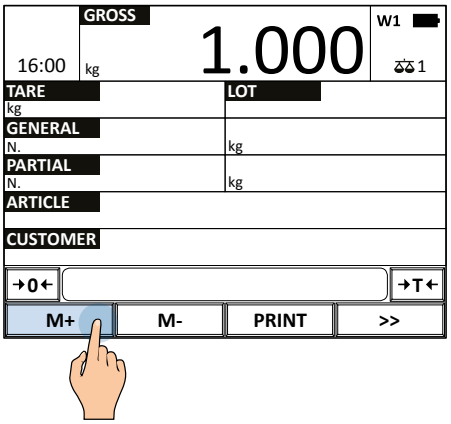
USE	The relays of the weight indicator allow to activate one or more actuators for a customizable time.
APPLICATIONS	Industrial automations.
ACTIVATION	It requires advanced configuration.

Example of activating a motor for an established time of 3 seconds following totalisation.

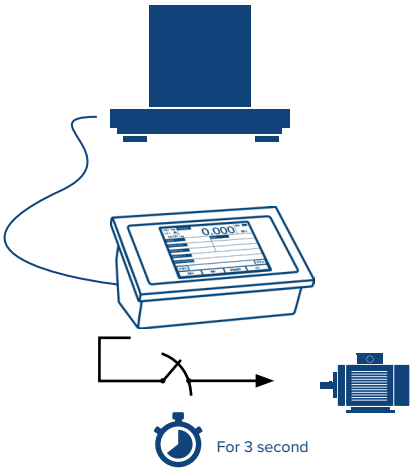
1.



2.



3.

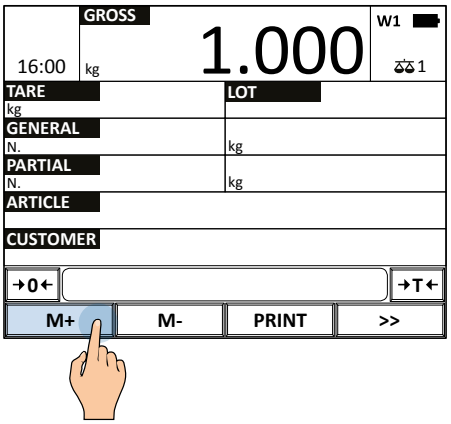


Example of activating a motor delayed by 3 seconds following totalisation.

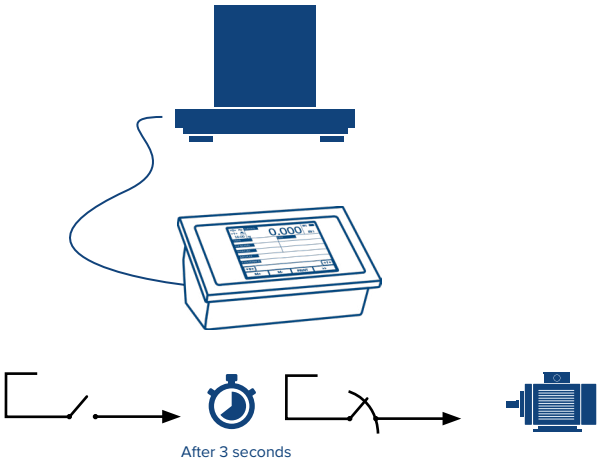
1.



2.



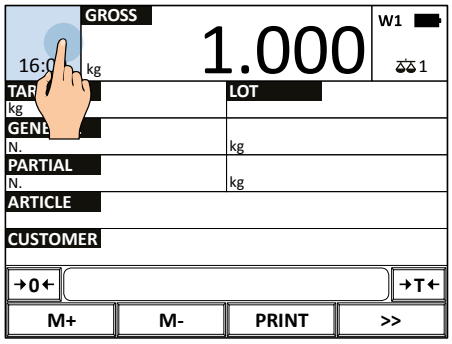
3.



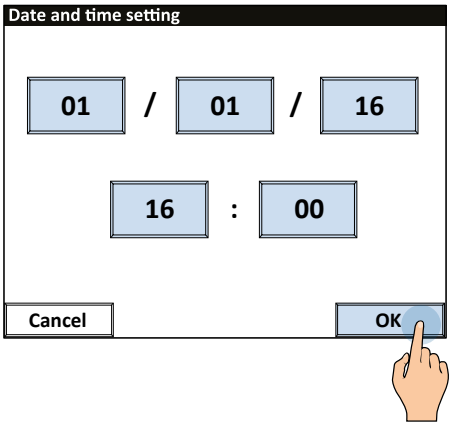
Adjusting the date and time

ACTIVATION	Standard active function.

1.



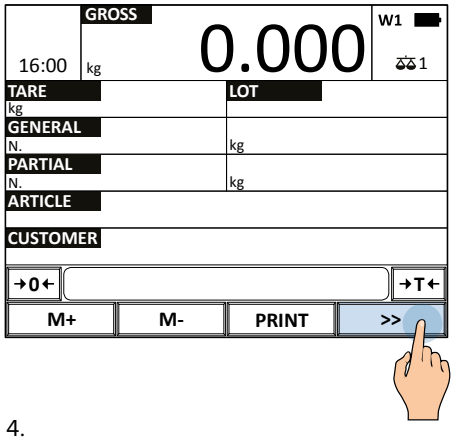
2. Set date and time and press OK to confirm



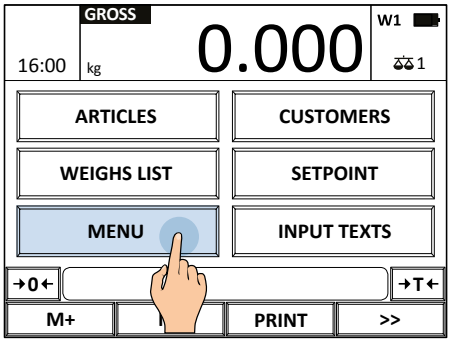
Adjusting the display brightness

ACTIVATION	Standard active function.

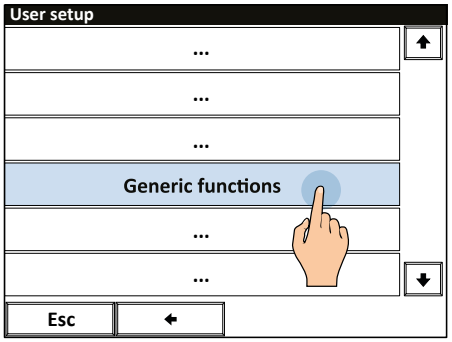
1.



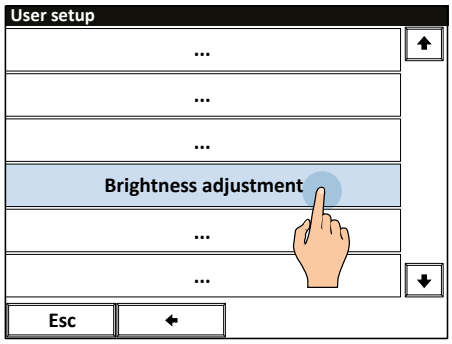
2.



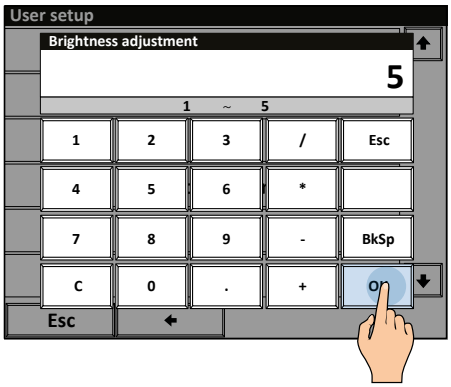
3.



4.



5. Set a brightness value between 1 and 5 and press OK to confirm

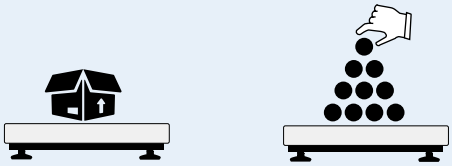


Weighing speed (weighing filter)

USE	Edits scale reactivity. Useful in optimising weighing to your needs.
APPLICATIONS	General weighing.
ACTIVATION	It requires advanced configuration.

The available adjustments allow you to maximise weighing speed for the following applications:

Table and floor scales and piece counters



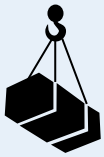
"FLT" type filter

High precision scales



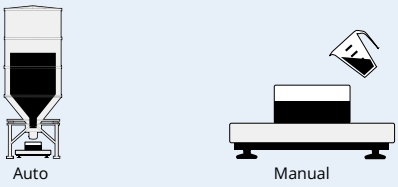
"HR" type filter

Suspended and oscillating load weighing



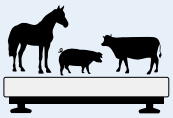
"DYN" type filter

Dosage, filling, level check and overloads



"DOS" type filter

Weighing live animals

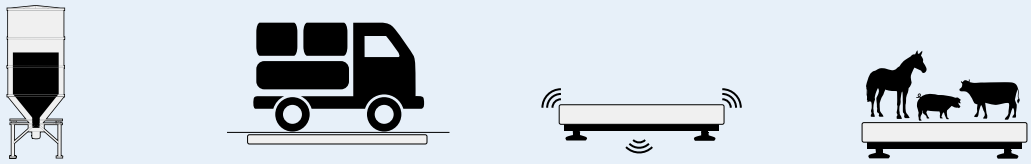


"HOLD" type filter

Special weighing applications

Fully programmable "CUSTOM" type filter, for use by the manufacturer.

Liquid weighing, weighbridges and weighing with vibrations

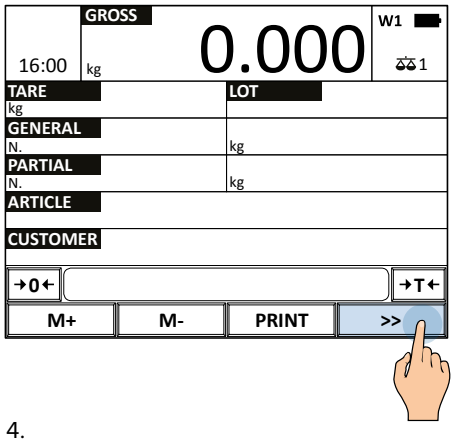


"SLOW" type filter

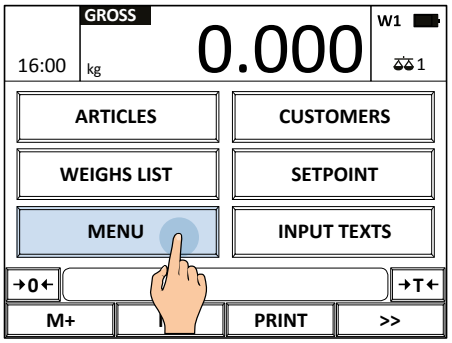
Visual weight check in multiple colours

USE	Allows you to do weight checks quickly and easily: the weight box changes colour according to the target and the thresholds set
APPLICATIONS	Production / Quality control
ACTIVATION	Standard active function. *(A-6)*

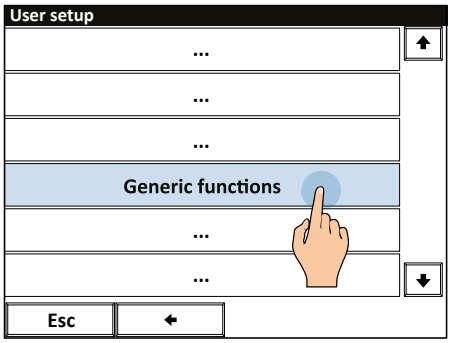
1.



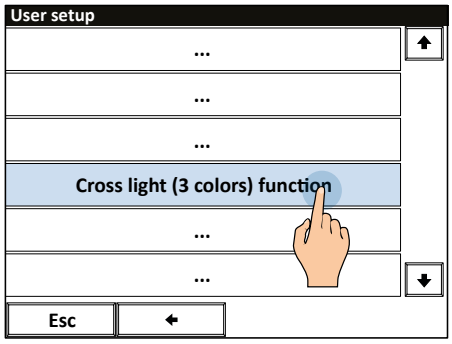
2.



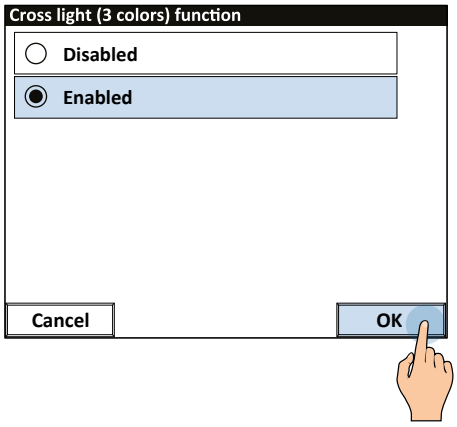
3.



4.

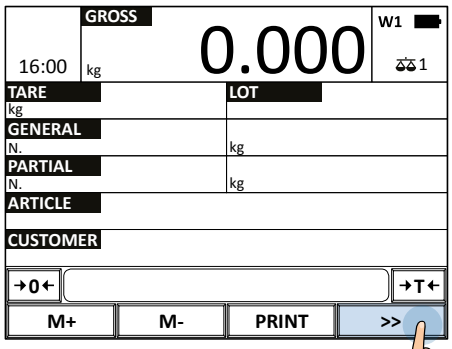


5.

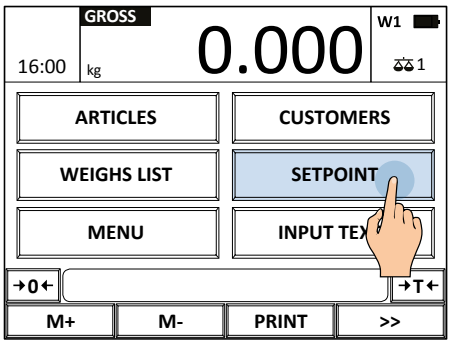


How to set generic check thresholds

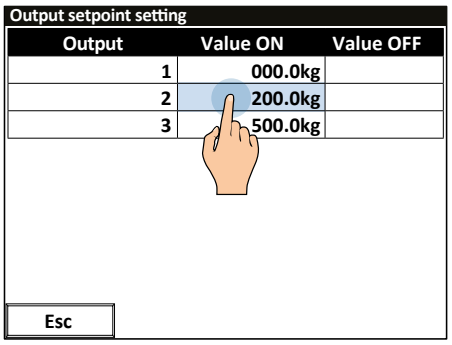
1.



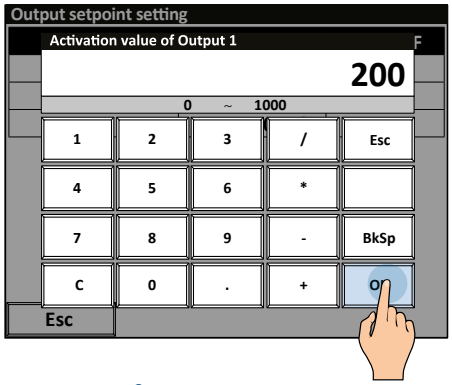
2.



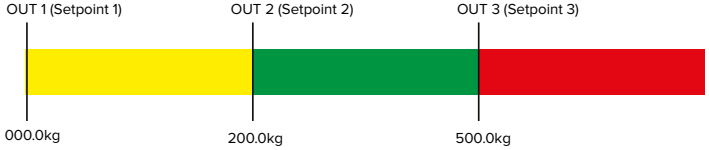
3.



4. Enter the thresholds and press OK to confirm



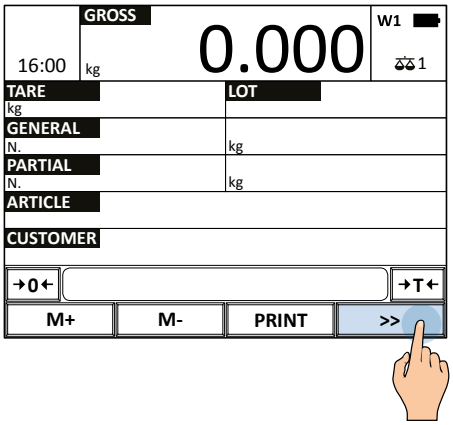
Graphical representation of the example in point 3.



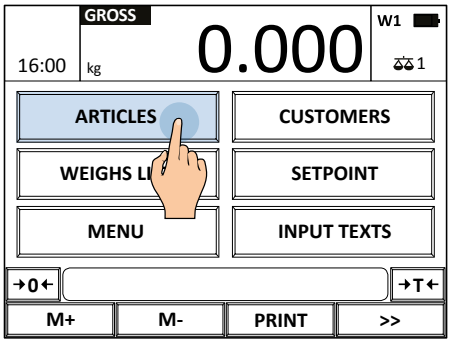
i This procedure also enables the three-colour light device, if any.

How to set different thresholds for each article

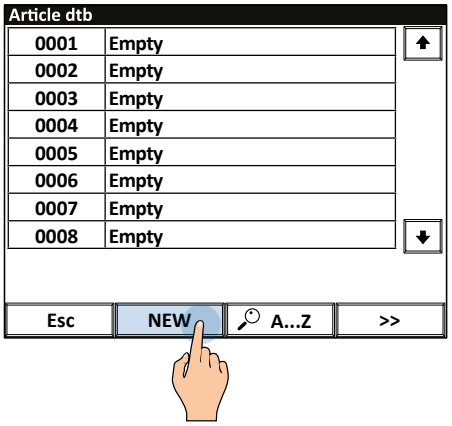
1.



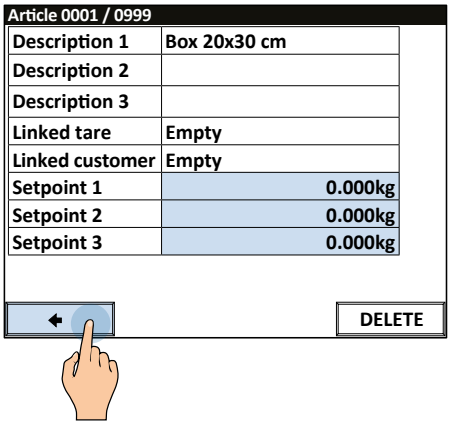
2.



3.



4. Set the desired thresholds



Statistics

Calculation of average and standard deviation for statistics

USE	You can perform advanced calculations to monitor data, such as standard deviation, averages, errors, etc. and print them, save them on USB devices or pass them on to the company IT system.
APPLICATIONS	Production checks.
ACTIVATION	It requires advanced configuration.

Safety

Backup and restore from PC via “Dinitools” program

USE	Thanks to the “Dinitools” computer program, you can save the scale configuration to facilitate subsequent implementation or maintenance.
ACTIVATION	Function reserved for technical staff.

Backup and restore from indicator

USE	You can create a backup of the current configuration directly from the weight indicator, making the restore function easier and faster. In any case, we recommend creating a backup on the PC with the “Dinitools” program.
ACTIVATION	Function reserved for technical staff.

Password to access the setup menu

USE	To prevent accidental access to the scale programming menu, you can activate an access password.
ACTIVATION	Function reserved for technical staff.

Password to access database

USE	To prevent accidental access to database handling functions (entering, editing and deleting records), you can activate an access password.
ACTIVATION	*(For more details C-10)*

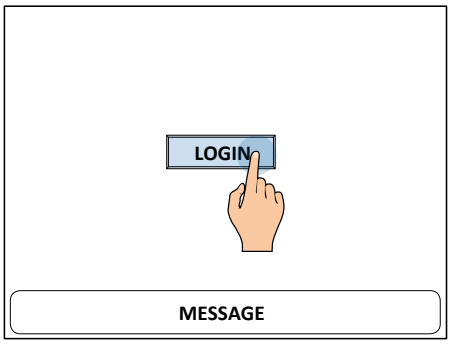
Password to access function

USE	You can limit the use of one or more features on the work screens by setting a password.
ACTIVATION	It requires advanced configuration.

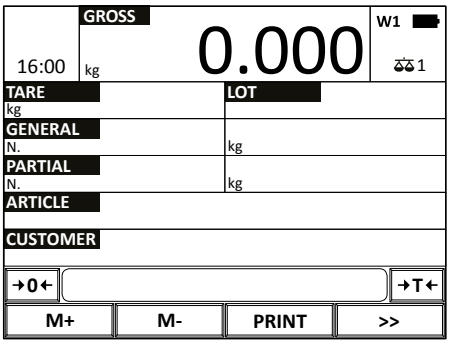
Log in to use the scale

USE	Allows to prevent unauthorised personnel from weighing.
APPLICATIONS	Security
ACTIVATION	It requires advanced configuration.

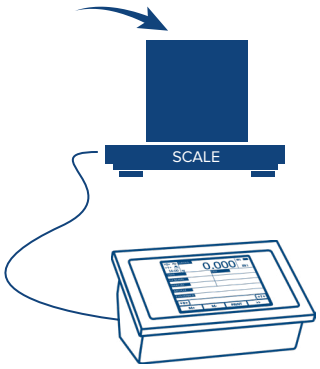
1.



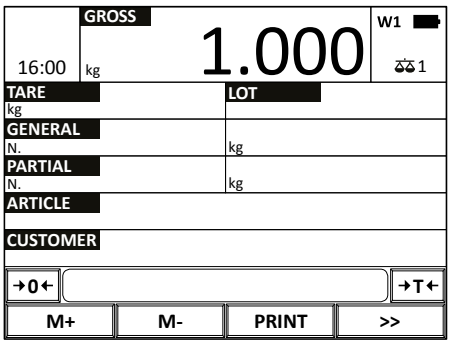
2.



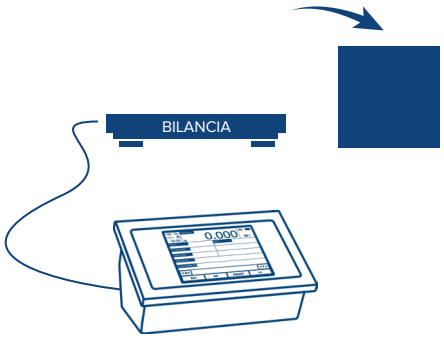
3.



4.



5.



3.

After the set time lapses, the scale requires the login to be entered again.

Quick diagnostic menu

USE	Allows you to quickly determine whether the scale hardware is operating properly (display, keyboard, printer, inputs, outputs, converter etc.)
APPLICATIONS	Scheduled / Unscheduled maintenance
ACTIVATION	Function reserved for technical staff.

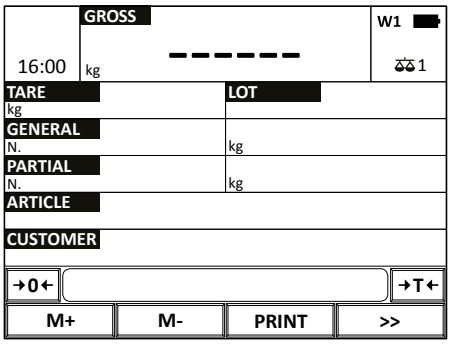
Last 10 operations log

USE	Allows to verify the last 10 operations carried out on the scale.
APPLICATIONS	Diagnostics check.
ACTIVATION	Function reserved for technical staff.

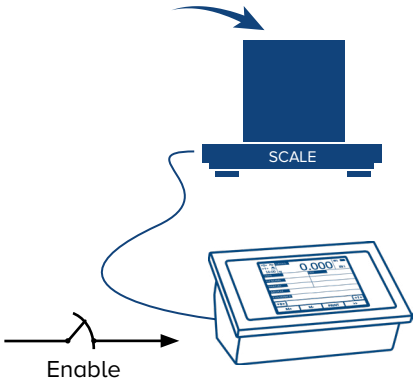
External weighing enable consent

USE	On or more digital inputs (if properly configured) can be used to read external consents.
APPLICATIONS	Useful in each production line in which all devices have a safety sincronization between them.
ACTIVATION	It requires advanced configuration.

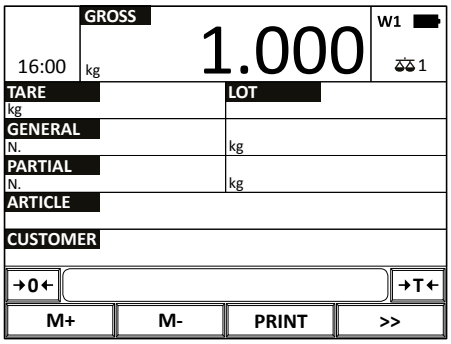
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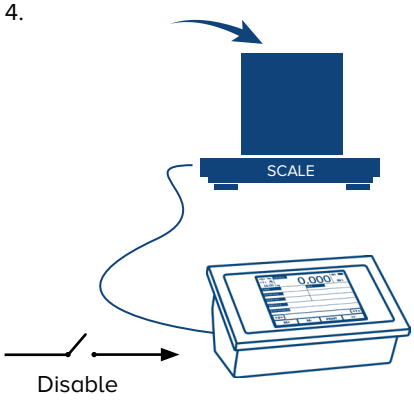
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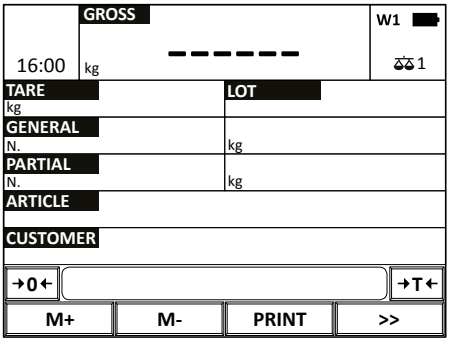
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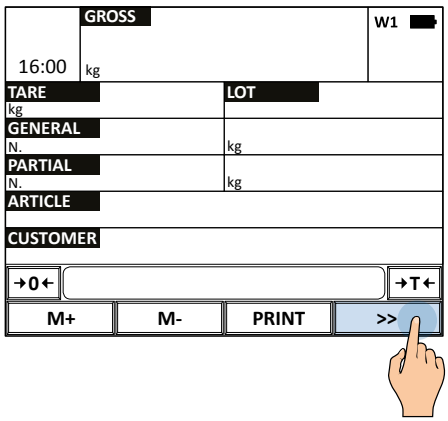
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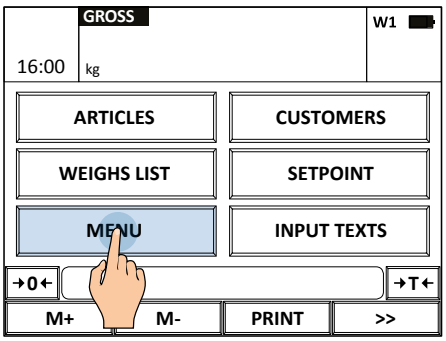
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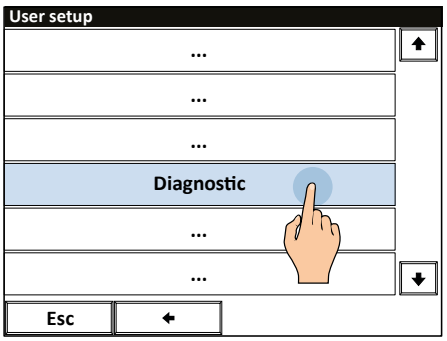
1.



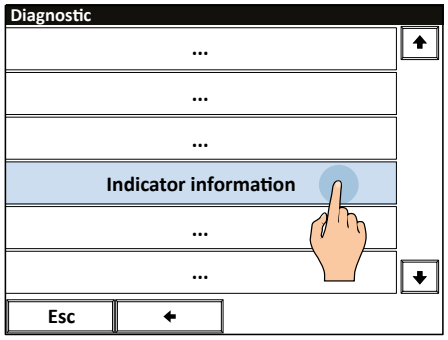
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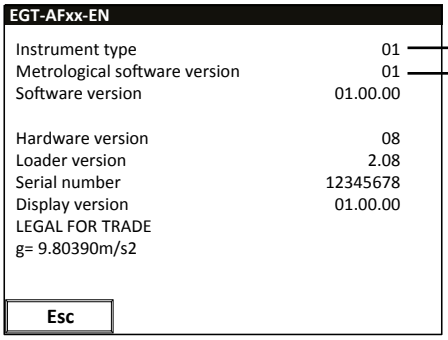
3.



4.



5.



Prefix: instrument model
Version: legal software

PRINT

The scale does not print

- Another printout is already in progress
- Make sure there is a roll in the printer
- The printer does not switch on
- The weight is unstable
- The net or gross weight is negative or insufficient for printing
- Underload or overload (_____ or ¯¯¯¯¯¯)
- The scale was not unloaded after the last printing
- You are trying to print a non-approved weight

TOTALISATION

The scale does not totalise

- The weight is unstable
- The net or gross weight is negative
- Make sure there is a roll in the printer
- The printer does not switch on
- Underload or overload
- The scale was not unloaded after the last printing
- The weight is insufficient for weighing
  - less than 10 divisions for the totaliser modes
  - less than “Min” for the approved products (shown on the measuring plate)

The displayed totals do not reset

- The reset totals remain visible until the following totalisation.

TARE

The scale does not tare

- The weight is unstable
- The gross weight is negative
- The weight is insufficient
- The weight exceeds the maximum capacity
- The tare function has been deactivated *(B-2)*
- In the event of Preset tare, the value exceeds the maximum capacity

The scale does not switch on

- Make sure the power cable is connected properly
- Connect the battery charger and try again. If the instrument continues to malfunction, contact the dealer.

The scale switches off suddenly

- Standby mode active, press on the touch screen to reactivate the display
- Automatic switching off active
- Low battery
- Battery failure
- Power supply line failure

The scale is not reactive

- One of the available energy saving modes has been activated
- An unsuitable weighing filter has been selected

At switch-on, the scale displays the “Zeroing of the scale underway” message

- The scale is unable to automatically reset the weight because it exceeds the maximum resettable weight at switch-on. Unload the plate, turn the scale off and try again. If the scale continues to have the same problem, contact the dealer.

The weight is unstable

- Check which weighing filter is active. *(I-2)*
- If the support surface is subjected to vibrations from machinery or moving vehicles, move the scale onto another surface and try again.

MESSAGE	SOLUTION
RESET LIST TO CONTINUE	The packing list is full and you need to reset it to continue. *(E-5)*
INVALID OR UNSTABLE WEIGHT	Make sure that the weight is greater than zero and stable.
WEIGHT OUT OF THRESHOLD	The weight is not within the set limits. *(A-5)* Increase or decrease the weight and try again.
WEIGHT NOT INCREASED FROM 0 OR UNSTABLE	The scale was not unloaded after the last printing. Completely unload the scale, making sure the →0← light turns on. Reload the weight and try again.
PRINTER ERROR: CHECK CTS	The printer is in an error state: check for paper presence and correct positioning, power and try again.
REMOTE SCALE NOT CONNECTED	Make sure the remote scale is turned on and the cable is connected properly.
ADC CONVERTER ERROR	Contact the service centre.
OVERLOAD	Scale overloaded. Restore a valid weight condition. If the problem persists, contact customer service.
UNDERLOAD	Negative gross weight. Restore a valid weight condition. If the problem persists, contact customer service.
REMOTE CONTROL BATTERY LOW	Replace the batteries in the remote control.
PRINTER ERROR: PRINTING IN PROGRESS. CANCEL?	Press YES to cancel the current print job and try again.

Notes

This publication, or portions thereof, may not be duplicated without written permission from the Manufacturer. All information contained in this manual is based on the data available at the time of its publication; the Manufacturer reserves the right to make changes to its products at any time without notice and without incurring any penalty. We therefore recommend that you always check for any updates.

The individual in charge of the scale operation must ensure that all safety regulations in force in the country of use are applied, ensuring that the appliance is used in accordance with the purpose it is intended for and to avoid any danger for the user.

The Manufacturer declines any liability arising from any weighing operation errors.

DINI ARGEO
Scales - Weighing systems

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Authorised service centre stamp

The information in this document is approximate and can be subject to variations without prior notice by Dini Argeo, with respect of the norms in force. The official technical data is available in the updated version on the **www.diniargeo.com** website or by contacting the Dini Argeo Customer Service.

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