



# AF01GT

Program for totalisation

USER MANUAL - v5

ENGLISH



For 3590 series touch screen indicators



# 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
Smartphone/tablet weighing app	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

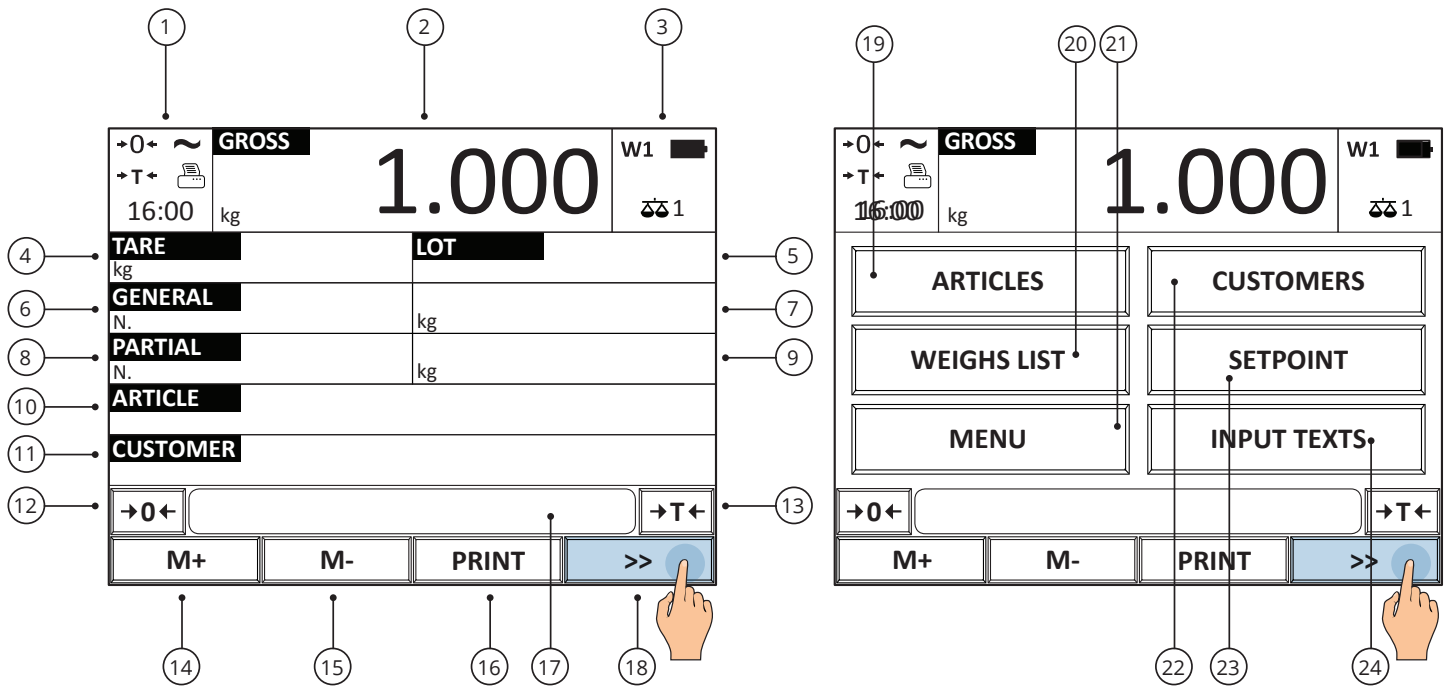
Backup and restore from PC via “Dinitools” program	J-1
Backup and restore from indicator	J-1
Password to access the setup menu	J-1
Password to access database	J-1
Password to access function	J-1
Log in to use the scale	J-2
Quick diagnostic menu	J-2
Last 10 operations log	J-2
External weighing enable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

## Manual totalisation

<b>USE</b>	Allows you to manually sum multiple consecutive weighs.
<b>ACTIVATION</b>	Standard active function.

1.

16:00	GROSS	kg	1.000	W1	☺1
-------	-------	----	-------	----	----



2.

16:00	GROSS	kg	1.000	W1	☺1
TARE		LOT			
GENERAL					
N.		kg			
PARTIAL					
N.		kg			
ARTICLE					
CUSTOMER					
→0←				→T←	
M+	M-	PRINT	>>		



3.

16:00	GROSS	kg	1.000	W1	☺1
TARE		LOT			
GENERAL					
N.	1	kg	1.000		
PARTIAL					
N.	1	kg	1.000		
ARTICLE					
CUSTOMER					
→0←				→T←	
M+	M-	PRINT	>>		

4.

16:00	GROSS	kg	2.000	W1	☺1
-------	-------	----	-------	----	----



5.

16:00	GROSS	kg	2.000	W1	☺1
TARE		LOT			
GENERAL					
N.		kg			
PARTIAL					
N.		kg			
ARTICLE					
CUSTOMER					
→0←				→T←	
M+	M-	PRINT	>>		



6.

16:00	GROSS	kg	2.000	W1	☺1
TARE		LOT			
GENERAL					
N.	2	kg	3.000		
PARTIAL					
N.	2	kg	3.000		
ARTICLE					
CUSTOMER					
→0←				→T←	
M+	M-	PRINT	>>		

### HOW TO PROCEED?

Print and reset totals. From (D-3) to (D-7)

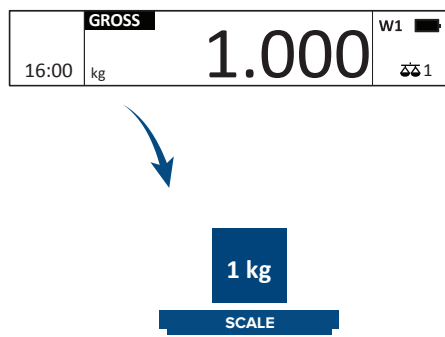
Print the packing list of weighs performed. From (E-5) to (E-6)

Check the summary of accumulated totals. (D-1)

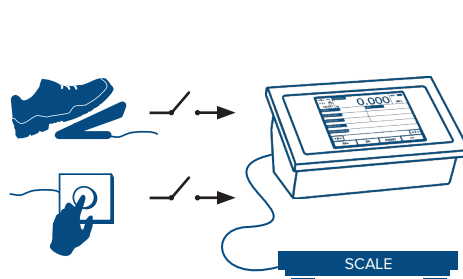
# Totalisation via an external button or pedal

<b>USE</b>	Allows you to add multiple consecutive weighs without touching the display.
<b>APPLICATIONS</b>	<ul style="list-style-type: none"> <li>Working in harsh or dirty environments.</li> <li>Totalise, leaving your hands free to do other tasks.</li> </ul>
<b>ACTIVATION</b>	It requires advanced configuration.

1.



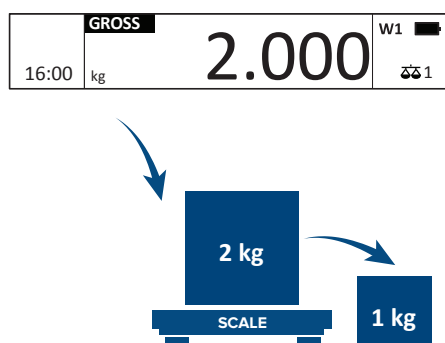
2. Press the button / pedal to totalise



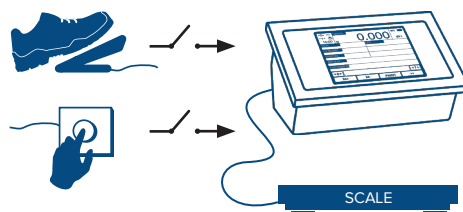
3.

16:00	GROSS	kg	1.000	W1	█	1
TARE		LOT				
GENERAL		N.	1	kg	1.000	
PARTIAL		N.	1	kg	1.000	
ARTICLE						
CUSTOMER						
→0←					→T←	
M+	M-	PRINT	>>			

4.



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



6.

16:00	GROSS	kg	2.000	W1	█	1
TARE		LOT				
GENERAL		N.	2	kg	3.000	
PARTIAL		N.	2	kg	3.000	
ARTICLE						
CUSTOMER						
→0←					→T←	
M+	M-	PRINT	>>			

## 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

<b>USE</b>	Allows you to quickly and automatically sum multiple consecutive weighs without touching the display. The sum is done when the weight is stable.
<b>APPLICATIONS</b>	<ul style="list-style-type: none"> <li>• Perform many totalisations in a short time.</li> <li>• Automate the production cycle.</li> </ul>
<b>ACTIVATION</b>	It requires advanced configuration.

1.

16:00	<b>GROSS</b>	kg	1.000	W1	1
-------	--------------	----	-------	----	---

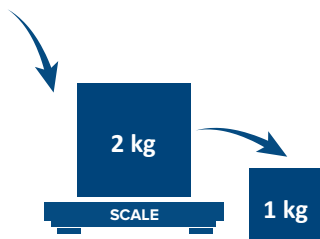


2.

16:00	<b>GROSS</b>	kg	1.000	W1	1
<b>TARE</b>		<b>LOT</b>			
kg					
<b>GENERAL</b>		1	kg	1.000	
N.					
<b>PARTIAL</b>		1	kg	1.000	
N.					
<b>ARTICLE</b>					
<b>CUSTOMER</b>					
→0←					
M+		M-		PRINT >>	

3.

16:00	<b>GROSS</b>	kg	2.000	W1	1
-------	--------------	----	-------	----	---



4.

16:00	<b>GROSS</b>	kg	2.000	W1	1
<b>TARE</b>		<b>LOT</b>			
kg					
<b>GENERAL</b>		2	kg	3.000	
N.					
<b>PARTIAL</b>		2	kg	3.000	
N.					
<b>ARTICLE</b>					
<b>CUSTOMER</b>					
→0←					
M+		M-		PRINT >>	

## HOW TO PROCEED?

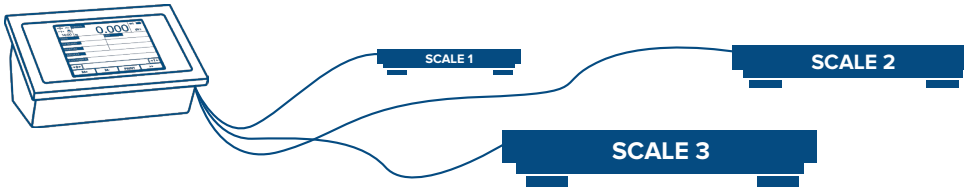
Print and reset totals. From (D-3) to (D-7)

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

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



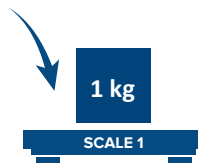
**i** The indicator is standard fitted to connect up to 5 scales with different capacities and accuracies.

## Example

1. Select the scale

<b>GROSS</b>		W1
16:00	kg	0.000
<b>TARE</b>	<b>LOT</b>	
kg		
<b>GENERAL</b>		
N.	0 kg	0.00
<b>PARTIAL</b>		
N.	0 kg	0.000
<b>ARTICLE</b>		
<b>CUSTOMER</b>		
→0←		→T←
M+	M-	PRINT >>

2.



3.

<b>GROSS</b>		W1
16:00	kg	1.000
<b>TARE</b>	<b>LOT</b>	
kg		
<b>GENERAL</b>		
N.	1 kg	1.000
<b>PARTIAL</b>		
N.	1 kg	1.000
<b>ARTICLE</b>		
<b>CUSTOMER</b>		
→0←		→T←
M+	M-	PRINT >>

4. Change scale

<b>GROSS</b>		W1
16:00	kg	0.00
<b>TARE</b>	<b>LOT</b>	
kg		
<b>GENERAL</b>		
N.	1 kg	1.00
<b>PARTIAL</b>		
N.	1 kg	1.000
<b>ARTICLE</b>		
<b>CUSTOMER</b>		
→0←		→T←
M+	M-	PRINT >>

5.



6.

<b>GROSS</b>		W1
16:00	kg	50.00
<b>TARE</b>	<b>LOT</b>	
kg		
<b>GENERAL</b>		
N.	2 kg	52.000
<b>PARTIAL</b>		
N.	2 kg	52.000
<b>ARTICLE</b>		
<b>CUSTOMER</b>		
→0←		→T←
M+	M-	PRINT >>

7. Change scale

<b>GROSS</b>		W1
16:00	kg	0.0
<b>TARE</b>	<b>LOT</b>	
kg		
<b>GENERAL</b>		
N.	2 kg	52.00
<b>PARTIAL</b>		
N.	2 kg	52.000
<b>ARTICLE</b>		
<b>CUSTOMER</b>		
→0←		→T←
M+	M-	PRINT >>

8.



9. The total increases in real time

<b>GROSS</b>		W1
16:00	kg	100.0
<b>TARE</b>	<b>LOT</b>	
kg		
<b>GENERAL</b>		
N.	3 kg	152.000
<b>PARTIAL</b>		
N.	3 kg	152.000
<b>ARTICLE</b>		
<b>CUSTOMER</b>		
→0←		→T←
M+	M-	PRINT >>

**i**

- 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

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

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



16:00	<b>2.000</b>		W1	☺1
TARE	LOT			
kg				
GENERAL	1	kg	1.000	
N.				
PARTIAL	1	kg	1.000	
N.				
ARTICLE				
CUSTOMER				
→0←		OUT OF RANGE		→T←
M+	M-	PRINT	>>	

16:00	<b>4.000</b>		W1	☺1
TARE	LOT			
kg				
GENERAL	1	kg	1.000	
N.				
PARTIAL	1	kg	1.000	
N.				
ARTICLE				
CUSTOMER				
→0←				→T←
M+	M-	PRINT	>>	

16:00	<b>5.000</b>		W1	☺1
TARE	LOT			
kg				
GENERAL	1	kg	1.000	
N.				
PARTIAL	1	kg	1.000	
N.				
ARTICLE				
CUSTOMER				
→0←		OUT OF RANGE		→T←
M+	M-	PRINT	>>	



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

- 
- 
- 
- 
-

# Weight check and totalisation

<b>USE</b>	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.
<b>APPLICATIONS</b>	Real time production check.
<b>ACTIVATION</b>	Standard active function.

## Example of check with article selection

1.

GROSS		0.000		W1
16:00	kg			1
TARE	kg	LOT		
GENERAL				
N.	kg			
PARTIAL				
N.	kg			
ARTICLE				
CUSTOMER				
→0←				→T←
M+	M-	PRINT	>>	

2. Selecting the article activates the check

GROSS		0.000		W1
16:00	kg			1
TARE	kg	LOT		
GENERAL				
N.	kg	0		0.000
PARTIAL				
N.	kg	0		0.000
ARTICLE	APPLE CAKE			
CUSTOMER				
→0←				→T←
M+	M-	PRINT	>>	

3. Weight check in real time



4.

GROSS		1.000		W1
16:00	kg			1
TARE	kg	LOT		
GENERAL		0	kg	0.000
N.				
PARTIAL		0	kg	0.000
N.				
ARTICLE	APPLE CAKE			
CUSTOMER				
→0←				→T←
M+	M-	PRINT	>>	

5.

GROSS		1.000		W1
16:00	kg			1
TARE	kg	LOT		
GENERAL		1	kg	1.000
N.				
PARTIAL		1	kg	1.000
N.				
ARTICLE	APPLE CAKE			
CUSTOMER				
→0←				→T←
M+	M-	PRINT	>>	

## 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?

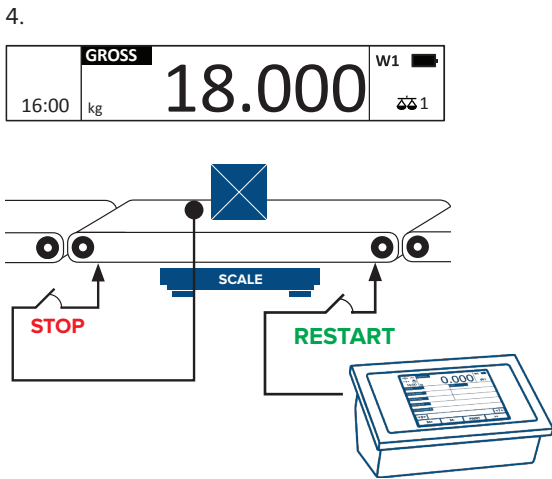
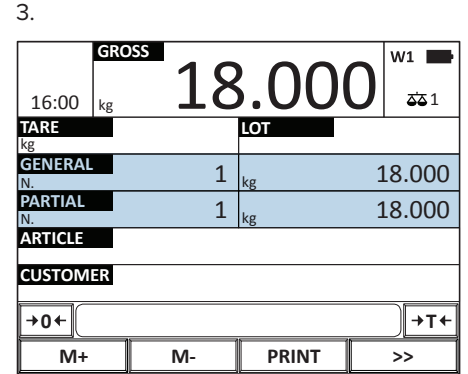
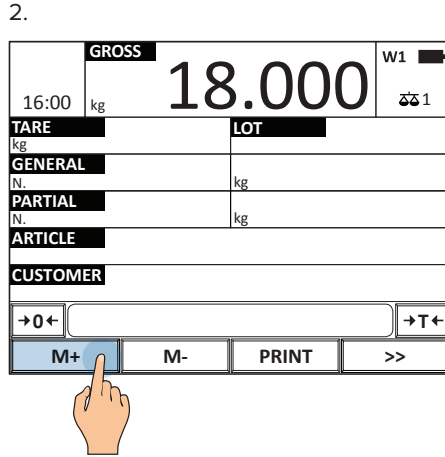
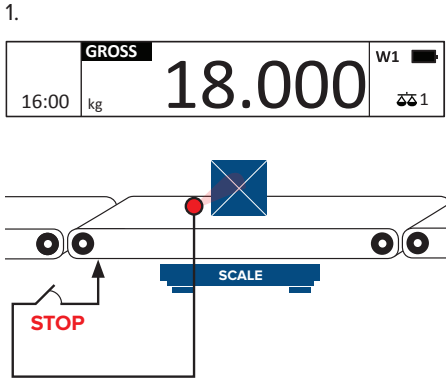
Print and reset totals. From (D-3) to (D-7)

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

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



**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

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

1.

GROSS		W1
16:00	kg	0.000
TARE	LOT	
kg		
GENERAL		
N.	kg	
PARTIAL		
N.	kg	
ARTICLE		
CUSTOMER		
→0←		
M+	M-	PRINT >>

2.

GROSS		W1
16:00	kg	0.000
TARE	LOT	
kg		
GENERAL		
N.	kg	0.000
PARTIAL		
N.	kg	0.000
ARTICLE		
APPLE CAKE		
CUSTOMER		
→0←		
M+	M-	PRINT >>

3.

GROSS		W1
16:00	kg	0.000
TARE	LOT	
kg		
GENERAL		
N.	kg	0.000
PARTIAL		
N.	kg	0.000
ARTICLE		
CUSTOMER		
SMIDTH LTD		
→0←		
M+	M-	PRINT >>

4. Carry out the necessary totalisations



5.

GROSS		W1
16:00	kg	1.000
TARE	LOT	
kg		
GENERAL		
N.	kg	0.000
PARTIAL		
N.	kg	0.000
ARTICLE		
CUSTOMER		
SMIDTH LTD		
→0←		
M+	M-	PRINT >>


**i** 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).

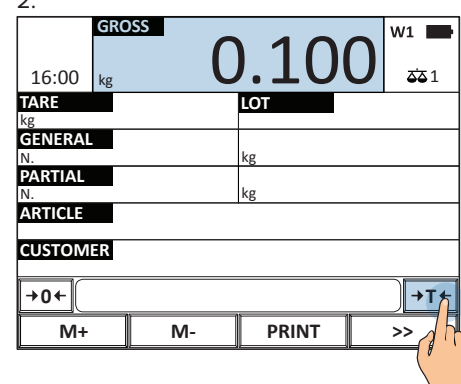
## HOW TO PROCEED?

- 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)

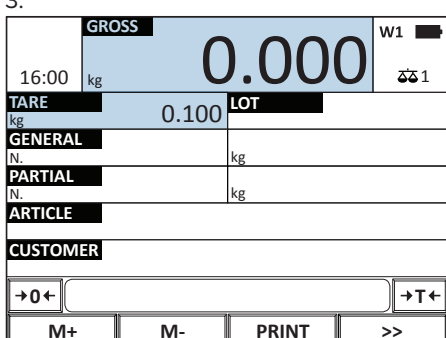
# Vertical totalisation / Formulation

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

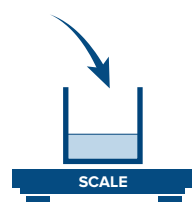
1. 

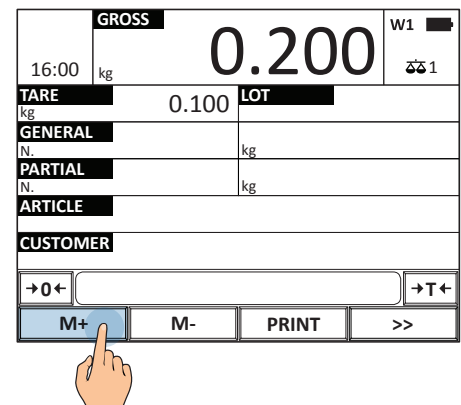
2. 

GROSS		0.100	W1
16:00	kg		1
TARE	kg	LOT	
GENERAL			
N.	kg		
PARTIAL			
N.	kg		
ARTICLE			
CUSTOMER			
→0←		→T←	
M+	M-	PRINT	>>

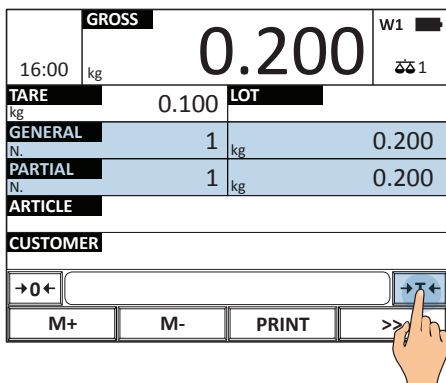
3. 

GROSS		0.000	W1
16:00	kg		1
TARE	kg	0.100	LOT
GENERAL			
N.	kg		
PARTIAL			
N.	kg		
ARTICLE			
CUSTOMER			
→0←		→T←	
M+	M-	PRINT	>>

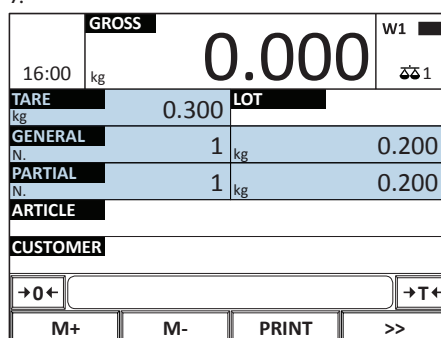
4. 

5. 

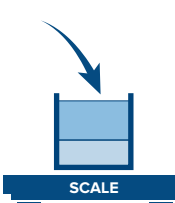
GROSS		0.200	W1
16:00	kg		1
TARE	kg	0.100	LOT
GENERAL			
N.	kg		
PARTIAL			
N.	kg		
ARTICLE			
CUSTOMER			
→0←		→T←	
M+	M-	PRINT	>>

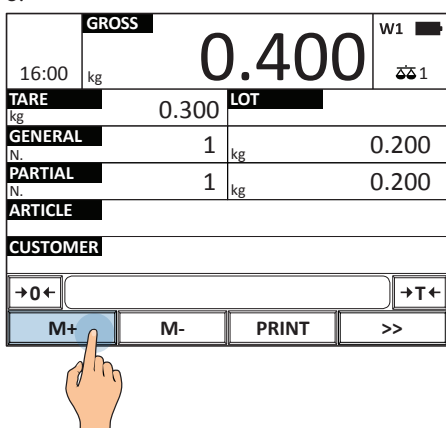
6. 

GROSS		0.200	W1
16:00	kg		1
TARE	kg	0.100	LOT
GENERAL		1	kg 0.200
N.			
PARTIAL		1	kg 0.200
N.			
ARTICLE			
CUSTOMER			
→0←		→T←	
M+	M-	PRINT	>>

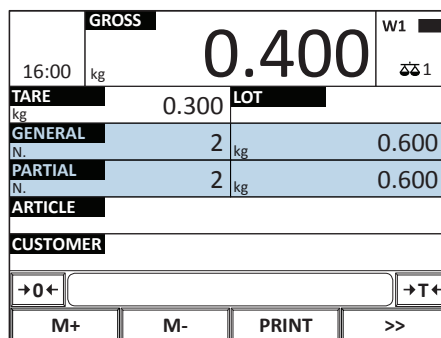
7. 

GROSS		0.000	W1
16:00	kg		1
TARE	kg	0.300	LOT
GENERAL		1	kg 0.200
N.			
PARTIAL		1	kg 0.200
N.			
ARTICLE			
CUSTOMER			
→0←		→T←	
M+	M-	PRINT	>>

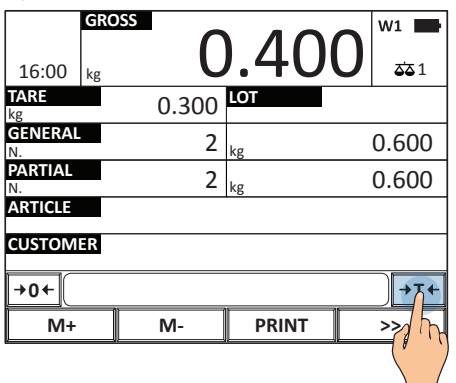
8. 

9. 

GROSS		0.400	W1
16:00	kg		1
TARE	kg	0.300	LOT
GENERAL		1	kg 0.200
N.			
PARTIAL		1	kg 0.200
N.			
ARTICLE			
CUSTOMER			
→0←		→T←	
M+	M-	PRINT	>>

10. 

GROSS		0.400	W1
16:00	kg		1
TARE	kg	0.300	LOT
GENERAL		2	kg 0.600
N.			
PARTIAL		2	kg 0.600
N.			
ARTICLE			
CUSTOMER			
→0←		→T←	
M+	M-	PRINT	>>

11. 

GROSS		0.400	W1
16:00	kg		1
TARE	kg	0.300	LOT
GENERAL		2	kg 0.600
N.			
PARTIAL		2	kg 0.600
N.			
ARTICLE			
CUSTOMER			
→0←		→T←	
M+	M-	PRINT	>>

**i** 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

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

1. Example of weigh

16:00	<b>GROSS</b>	kg	1.000	W1	1
-------	--------------	----	-------	----	---



2.

16:00	<b>GROSS</b>	kg	1.000	W1	1
<b>TARE</b>		<b>LOT</b>			
kg					
<b>GENERAL</b>					
N.		kg			
<b>PARTIAL</b>		kg			
N.		kg			
<b>ARTICLE</b>					
<b>CUSTOMER</b>					
→0←				→T←	
M+	M-	PRINT	>>		



3.

16:00	<b>GROSS</b>	kg	1.000	W1	1
<b>TARE</b>		<b>LOT</b>			
kg					
<b>GENERAL</b>		1	kg	1.000	
N.		1	kg	1.000	
<b>PARTIAL</b>		1	kg	1.000	
N.		1	kg	1.000	
<b>ARTICLE</b>					
<b>CUSTOMER</b>					
→0←				→T←	
M+	M-	PRINT	>>		

4. Cancellation of weigh

16:00	<b>GROSS</b>	kg	0.000	W1	1
-------	--------------	----	-------	----	---



5.

16:00	<b>GROSS</b>	kg	0.000	W1	1
<b>TARE</b>		<b>LOT</b>			
kg					
<b>GENERAL</b>		1	kg	1.000	
N.		1	kg	1.000	
<b>PARTIAL</b>		1	kg	1.000	
N.		1	kg	1.000	
<b>ARTICLE</b>					
<b>CUSTOMER</b>					
→0←				→T←	
M+	M-	PRINT	>>		



6. Press OK to delete last weigh

<b>GROSS</b>						W1
Cancel last weigh?						
Cancel						OK
16:00						
kg						
<b>TARE</b>						
kg						
<b>GENERAL</b>						
N.						
<b>PARTIAL</b>						
N.						
<b>ARTICLE</b>						
<b>CUSTOMER</b>						
→0←						→T←
M+	M-	PRINT	>>			



7.

16:00	<b>GROSS</b>	kg	0.000	W1	1
<b>TARE</b>		<b>LOT</b>			
kg					
<b>GENERAL</b>		0	kg	0.000	
N.		0	kg	0.000	
<b>PARTIAL</b>		0	kg	0.000	
N.		0	kg	0.000	
<b>ARTICLE</b>					
<b>CUSTOMER</b>					
→0←				→T←	
M+	M-	PRINT	>>		

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



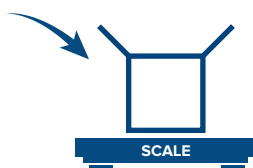
# Weighing functions

## Tare

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

1.

16:00	<b>GROSS</b>	0.500	W1	☺1
	kg			



2.

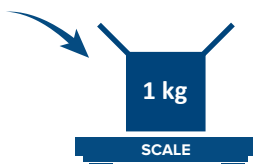
16:00	<b>GROSS</b>	0.500	W1	☺1
	kg			
<b>TARE</b>		<b>LOT</b>		
kg				
<b>GENERAL</b>				
N.		kg		
<b>PARTIAL</b>				
N.		kg		
<b>ARTICLE</b>				
<b>CUSTOMER</b>				
→0←			→T←	
M+	M-	PRINT	>>	

3.

16:00	<b>GROSS</b>	0.000	W1	☺1
	kg			
<b>TARE</b>		<b>LOT</b>		
kg		0.500		
<b>GENERAL</b>				
N.		kg		
<b>PARTIAL</b>				
N.		kg		
<b>ARTICLE</b>				
<b>CUSTOMER</b>				
→0←			→T←	
M+	M-	PRINT	>>	

4.

16:00	<b>GROSS</b>	1.000	W1	☺1
	kg			



5.

16:00	<b>GROSS</b>	1.000	W1	☺1
	kg			
<b>TARE</b>		<b>LOT</b>		
kg		0.500		
<b>GENERAL</b>				
N.		kg		
<b>PARTIAL</b>				
N.		kg		
<b>ARTICLE</b>				
<b>CUSTOMER</b>				
→0←			→T←	
M+	M-	PRINT	>>	

# Tare cancellation

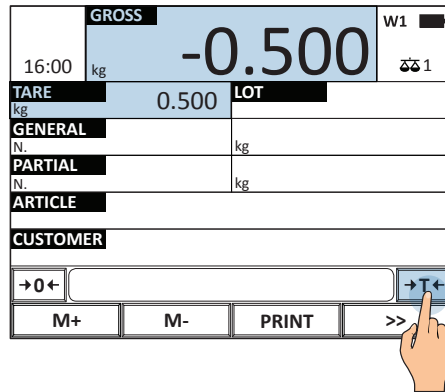
<b>USE</b>	Allows you to cancel the set tare.
<b>APPLICATIONS</b>	General weighing.
<b>ACTIVATION</b>	Standard active function.

How to cancel tare with scale unloaded

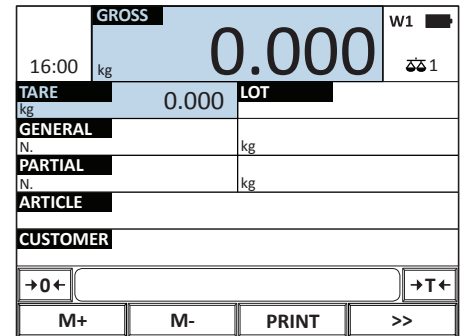
1.



2.

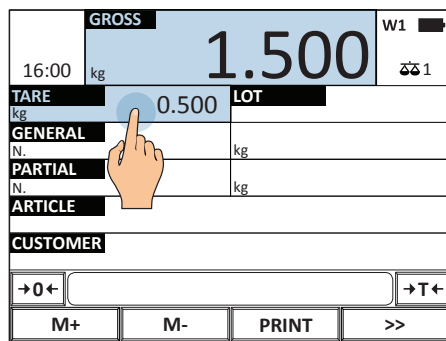


3.

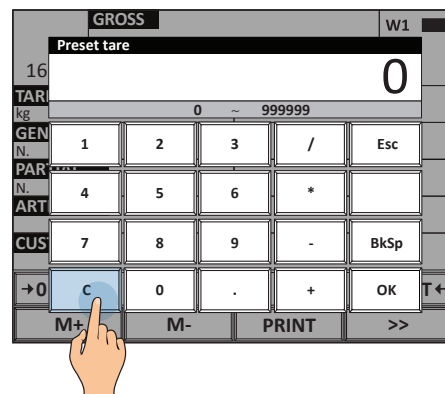


How to cancel the tare with scale loaded

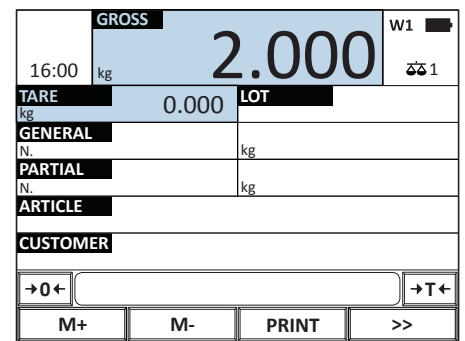
1.



2. Delete the tare and press OK to confirm



3.




## Preset tare

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


1.

GROSS		W1
16:00	kg	0.000
TARE	kg	LOT
GENERAL	N.	kg
PARTIAL	N.	kg
ARTICLE		
CUSTOMER		
→0←		→T←
M+	M-	PRINT >>




2. Enter the tare weight

GROSS		W1
Preset tare		0.000
TARE		0 ~ 999999
1	2	3 / Esc
4	5	6 *
7	9	- BkSp
→0←	C	. + OK T←
M+	M-	PRINT >>




3. Press OK to confirm

GROSS		W1
Preset tare		0.500
TARE		0 ~ 999999
1	2	3 / Esc
4	5	6 *
7	8	9 - BkSp
→0←	C	0 . + OK T←
M+	M-	PRINT >>



4.

NET		W1
16:00	kg	1.000
TARE	kg	LOT
GENERAL	N.	kg
PARTIAL	N.	kg
ARTICLE		
CUSTOMER		
→0←		→T←
M+	M-	PRINT >>



5.


NET		W1
PT	16:00	kg
NET		1.000
TARE	kg	0.500
GENERAL	N.	kg
PARTIAL	N.	kg
ARTICLE		
CUSTOMER		
→0←		→T←
M+	M-	PRINT >>

## Multi-tare management

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


1.

GROSS		W1
16:00	kg	11.000
PALLET	kg	TARE
GENERAL	N.	kg
PARTIAL	N.	kg
ARTICLE		
CUSTOMER		
→0←		→T←
M+	M-	PRINT >>



2. Enter the tare weight

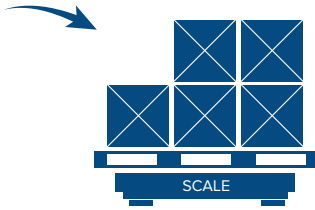
GROSS		W1
Preset tare		0.000
TARE		11.000
1	2	3 / Esc
4	5	6 *
7	9	- BkSp
→0←	C	. + OK T←
M+	M-	PRINT >>



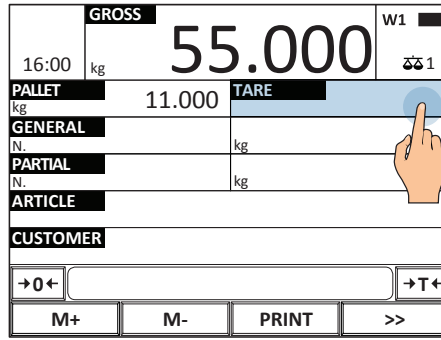
3. Press OK to confirm

GROSS		W1
Preset tare		0.000
TARE		11.000
1	2	3 / Esc
4	5	6 *
7	8	9 - BkSp
→0←	C	0 . + OK T←
M+	M-	PRINT >>

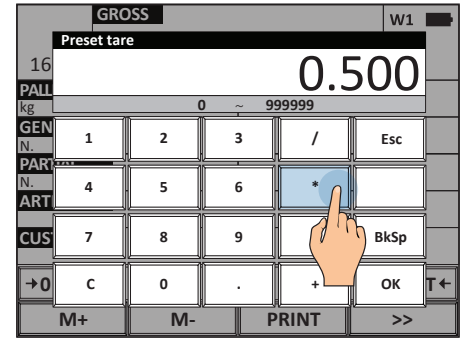
4.



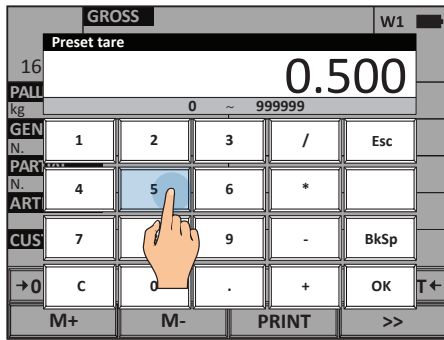
5. Enter the tare weight



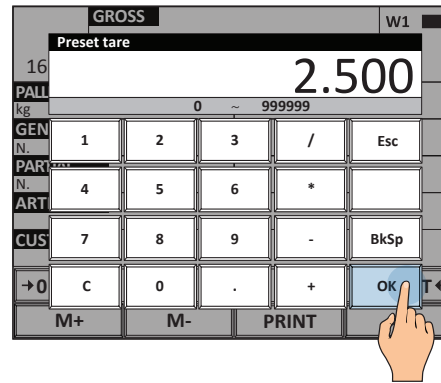
6. Enter the tare value of the single box and multiply by the number of boxes



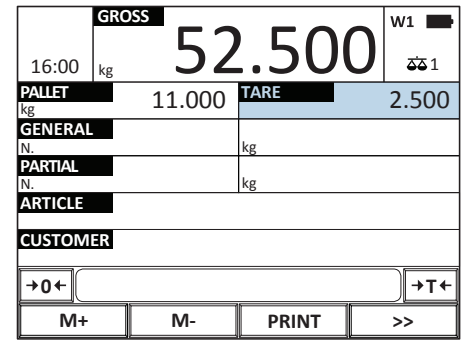
7.



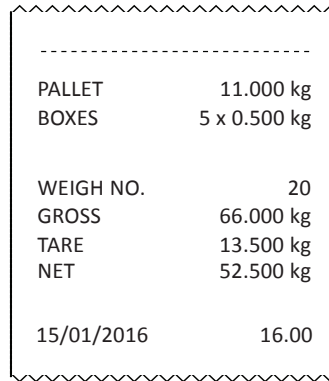
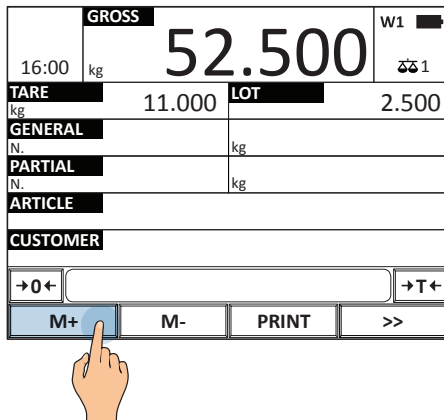
8.



9.



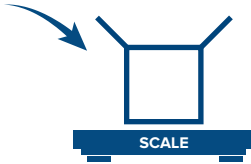
10.



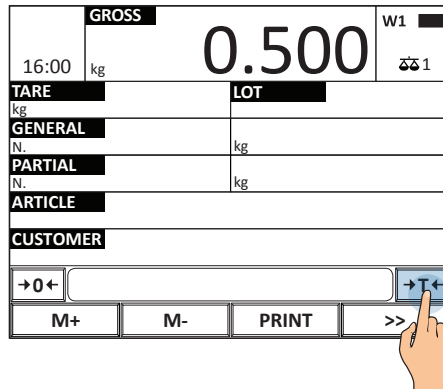
# Unlocked tare (automatic tare cancellation)

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

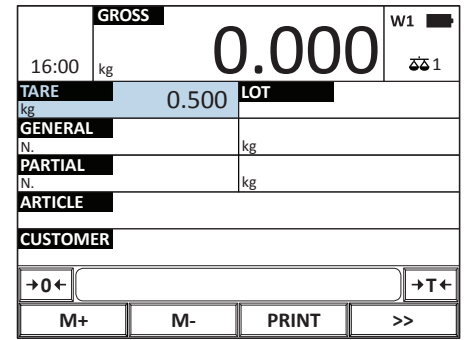
1. Example of weigh



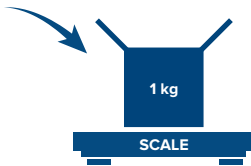
2.



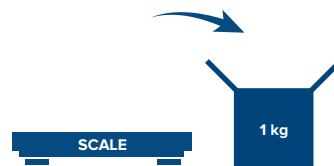
3.



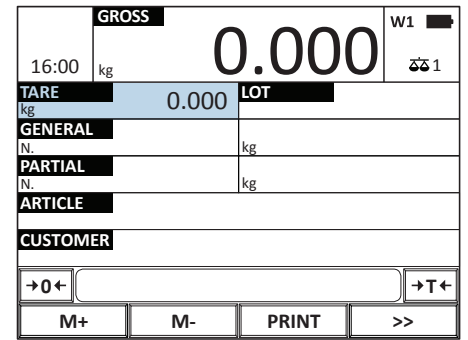
4.



5.



6. The tare is automatically cleared

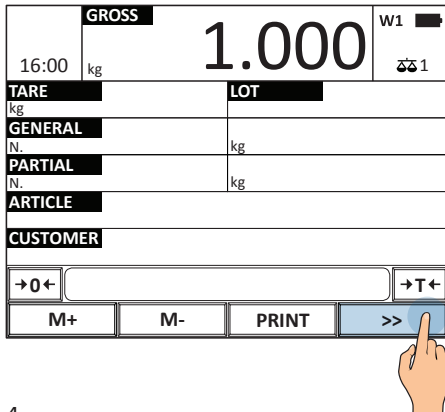


**i**

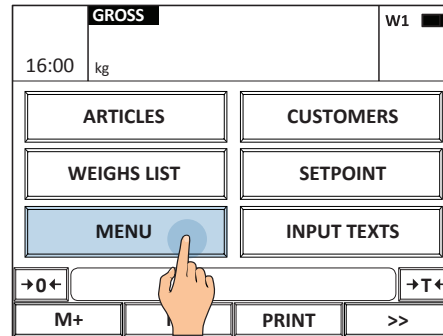
The automatic tare cancellation is disabled in the standard factory configuration (locked tare).

How to lock / unlock the tare

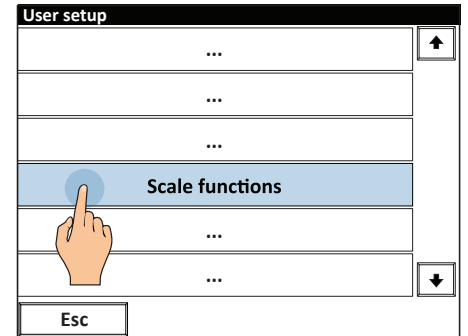
1.



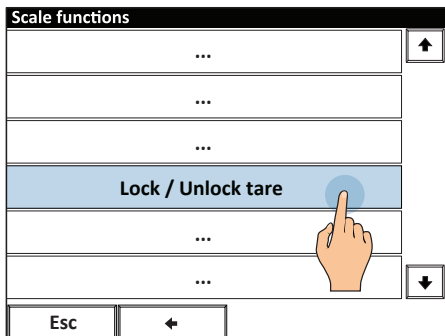
2.



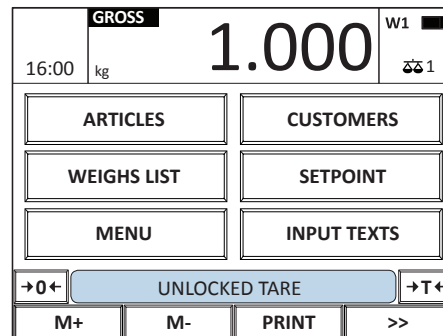
3.



4.



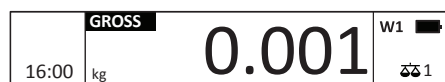
5.



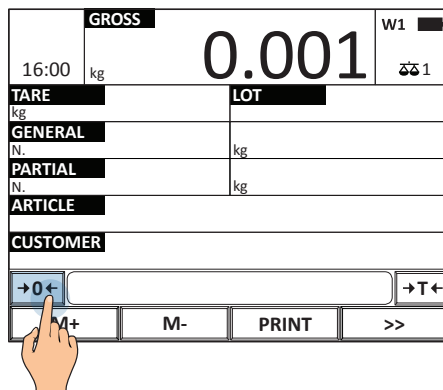
## Zero scale

<b>USE</b>	Allows you to reset the zero before weighing, for optimal weights.
<b>APPLICATIONS</b>	General weighing.
<b>ACTIVATION</b>	Standard active function.

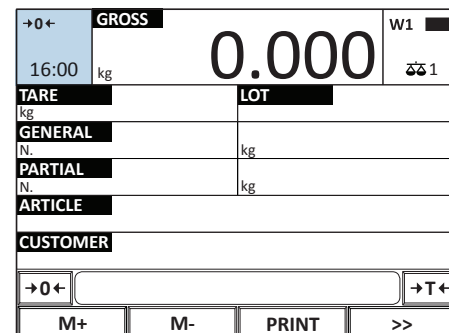
1.



2.



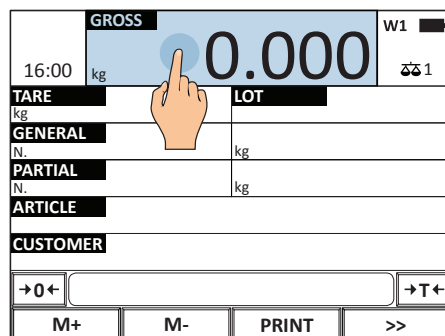
3.



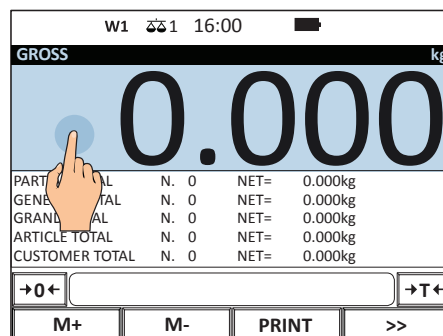
## Weight view zoom

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

1.

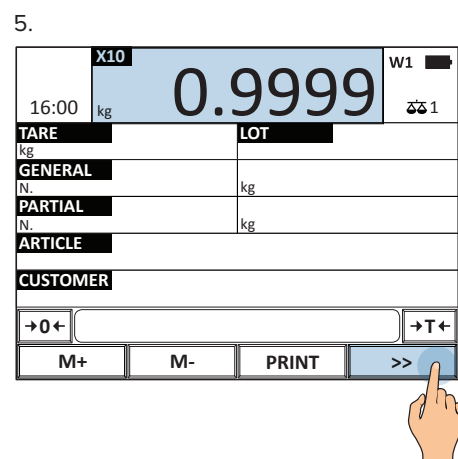
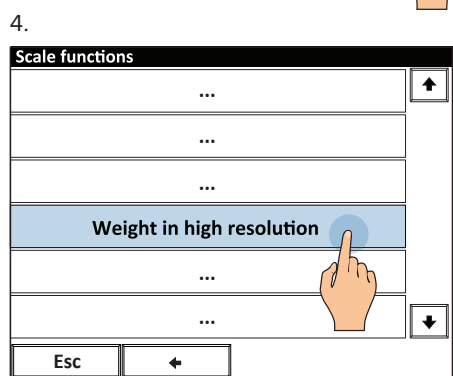
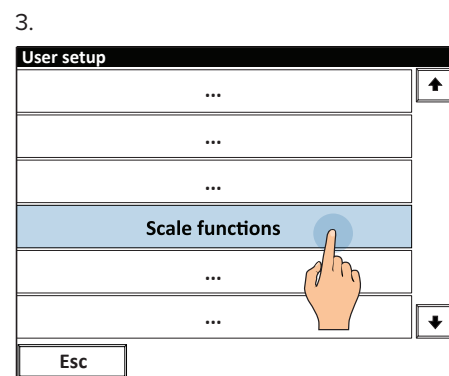
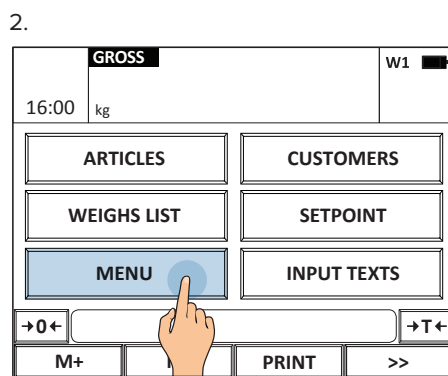
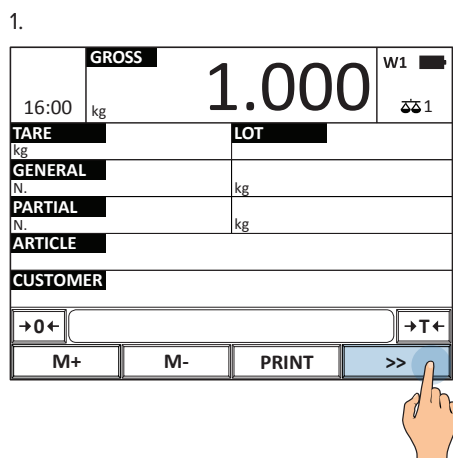


2.



# High-resolution weight

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



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

# Managing work shifts

<b>USE</b>	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.
<b>APPLICATIONS</b>	Production monitoring / traceability in continuous work cycles.
<b>ACTIVATION</b>	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



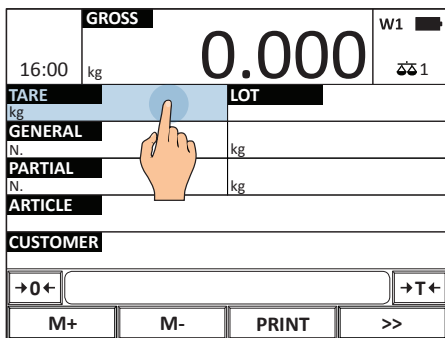
Option of identifying each individual operator by name and/or code.  
The number of shifts and their alphanumeric ID are freely programmable.

# Calculator

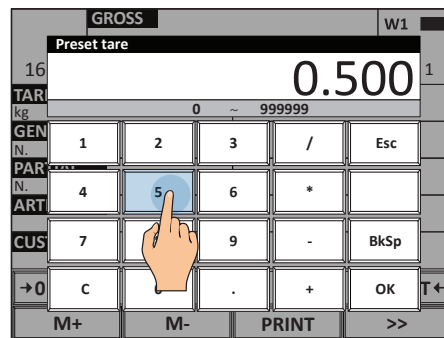
<b>USE</b>	Perform operations and print the total. Calculate the overall tare weight by summing or multiplying multiple tares.
<b>ACTIVATION</b>	Standard active function.

Example of multiplicative tare

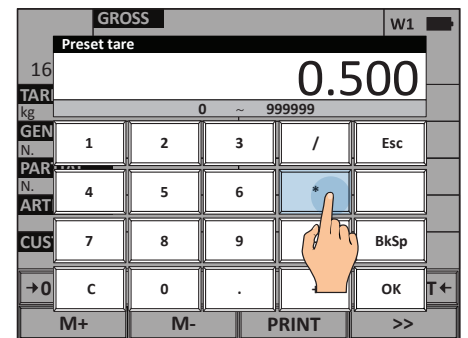
1.



2. Enter the individual tare weight

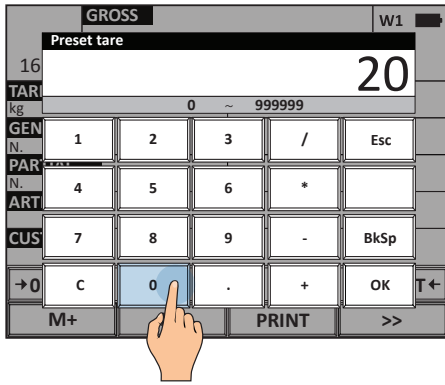


3. Select the operation

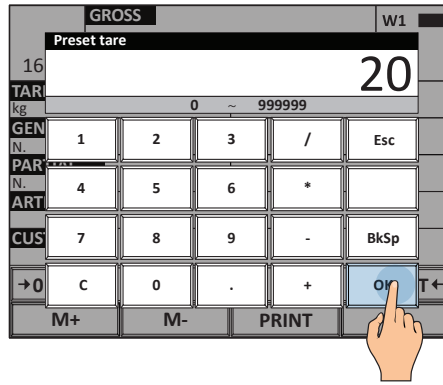




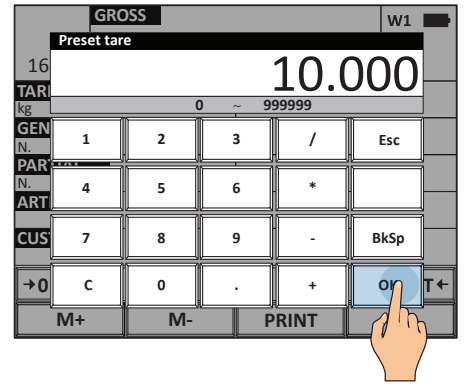
4. Enter the amount (e.g. 20)



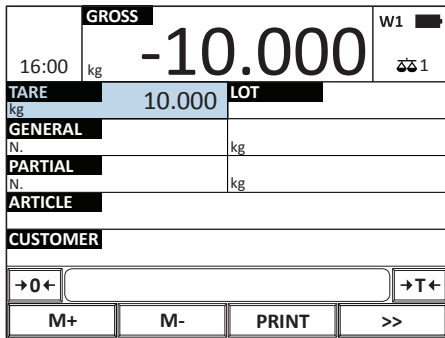
5. Press OK to display the total tare



6. Press OK again to set the calculated tare

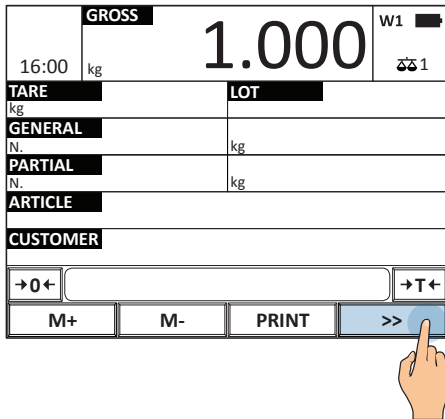


7.

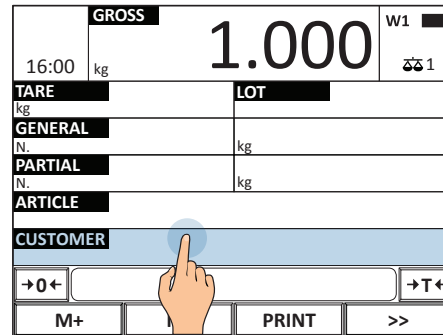


To recall the generic "calculator" function:

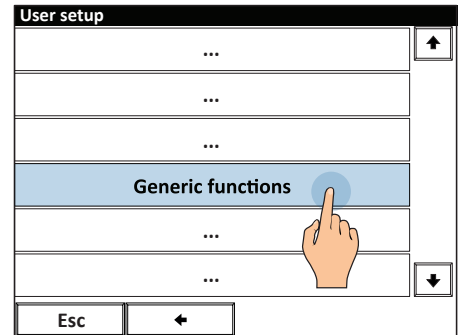
1.



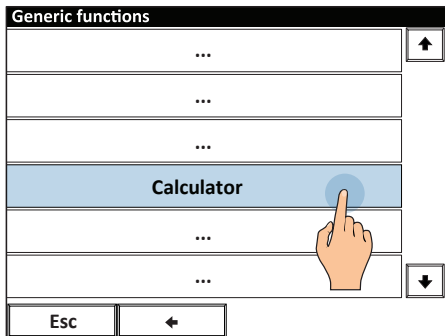
2.



3.



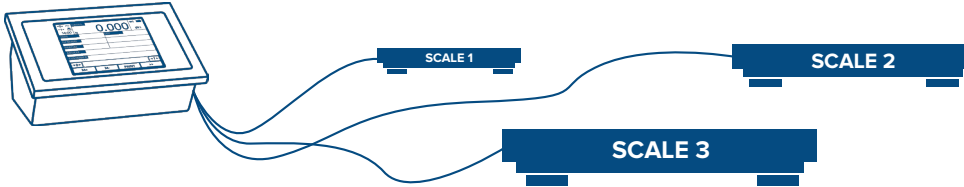
4.



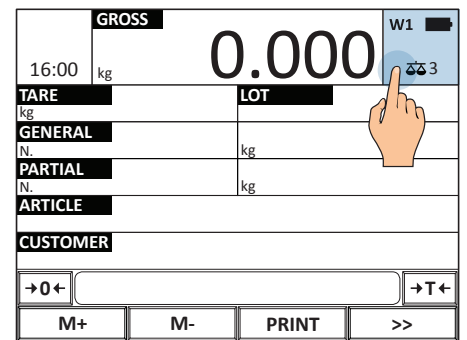
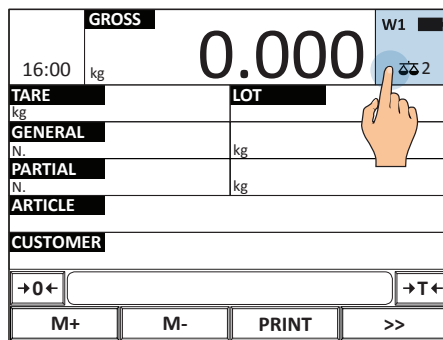
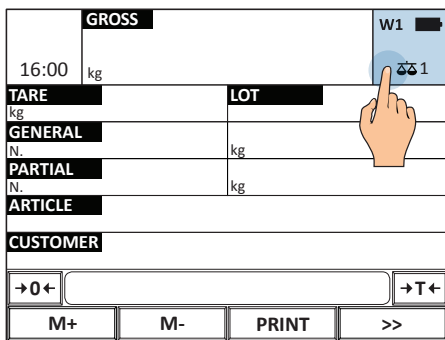
# Operation with multiple scales

<b>USE</b>	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.
<b>APPLICATIONS</b>	General weighing.
<b>ACTIVATION</b>	Standard active function. Key display activation on the main screen of the indicator (see alternative) requires advanced configuration.

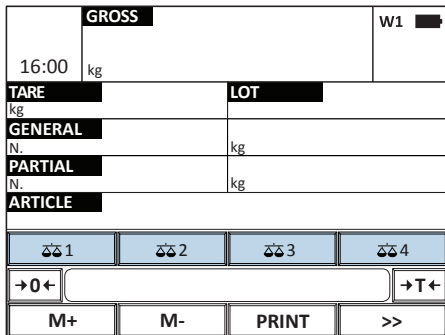
## Select the platform on which to weigh



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



## Alternative



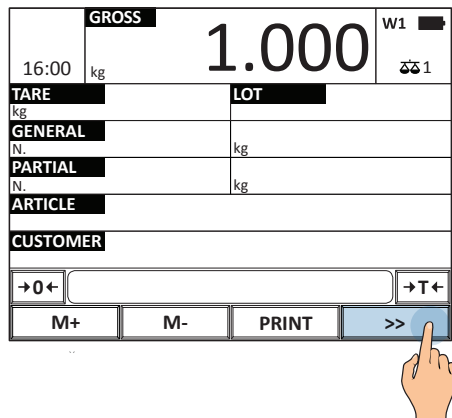
**i** It is possible to create four or more buttons to directly select the scale on which you wish to weigh.

## 1000 article database

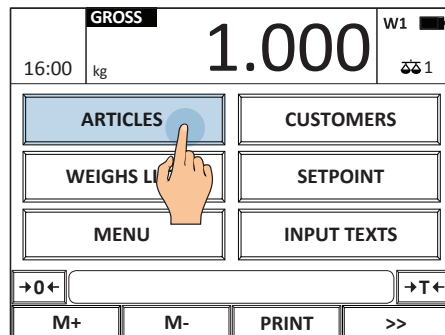
<b>USE</b>	Allows you to save the database (descriptions, associated tares, tolerances, etc.) of 1000 different articles.
<b>APPLICATIONS</b>	Traceability, consumption and production checking, inventory monitoring.
<b>ACTIVATION</b>	Standard active function.

### How to fill in the database

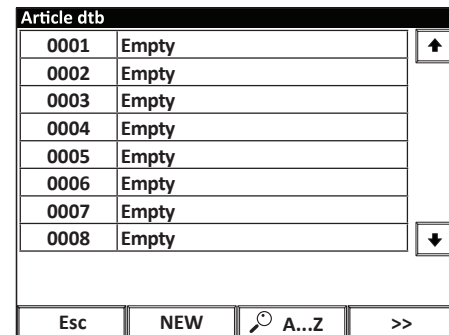
1.



2.



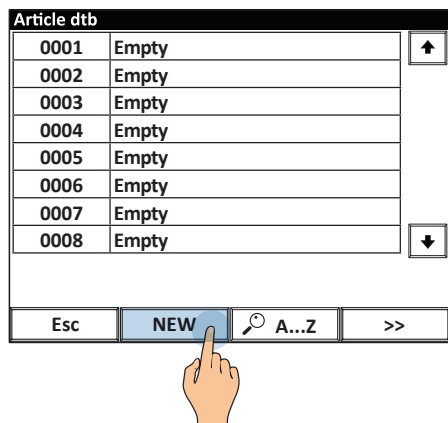
3.



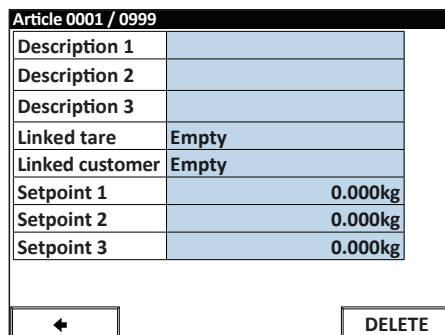
Once inside the article database fill-in menu you can:

### Enter a new article

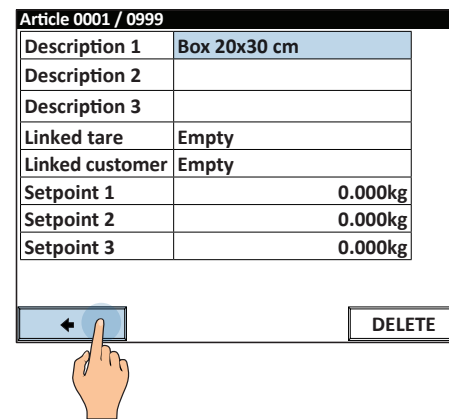
1.



2. Fill in the fields.

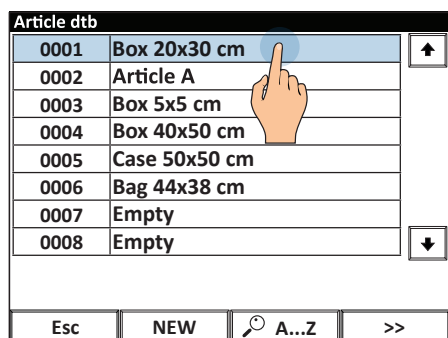


3. Saving is automatic

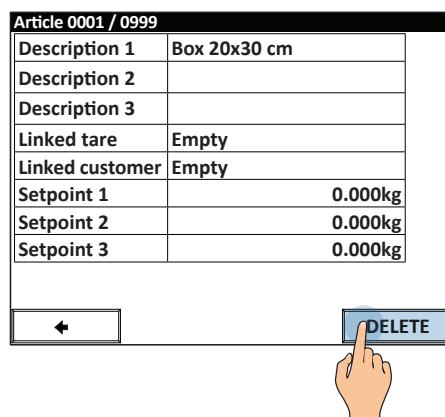


### Delete an article

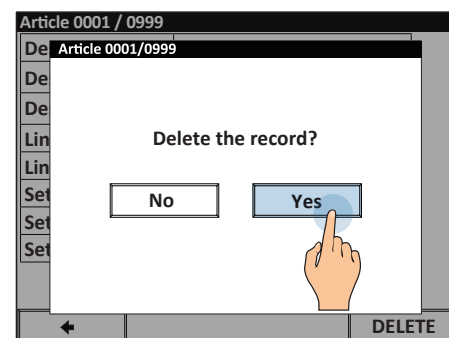
1.



2.



3.



## Edit an existing article

1.

Article dtb	
0001	Box 20x30 cm
0002	Article A
0003	Box 5x5 cm
0004	Box 40x50 cm
0005	Case 50x50 cm
0006	Bag 44x38 cm
0007	Empty
0008	Empty

Esc NEW A...Z >>

2.

Article 0001 / 0999	
Description 1	Box 20x30 cm
Description 2	123456
Description 3	
Linked tare	Empty
Linked customer	Empty
Setpoint 1	0.000kg
Setpoint 2	0.000kg
Setpoint 3	0.000kg

← DELETE

3. Saving is automatic

Article 0001 / 0999	
Description 1	Box 20x30 cm
Description 2	
Description 3	
Linked tare	Empty
Linked customer	Empty
Setpoint 1	0.000kg
Setpoint 2	0.000kg
Setpoint 3	0.000kg

← DELETE

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

1.

Article dtb	
0001	Box 20x30 cm
0002	Article A
0003	Box 5x5 cm
0004	Box 40x50 cm
0005	Case 50x50 cm
0006	Bag 44x38 cm
0007	Empty
0008	Empty

Esc NEW A...Z >>

2.

Article	
Bag 44x38 cm	↑ ↓
Box 5x5 cm	CLEAR
Box 20x30 cm	BkSp
Box 40x50 cm	
B	
Q W E R T Y U I O P	
A S D F G H J K L ;	
2/ F Z X C V B N M Esc	
Shift NEW	

## Look for an article by its numeric index

1.

Article dtb	
0001	Box 20x30 cm
0002	Article A
0003	Box 5x5 cm
0004	Box 40x50 cm
0005	Case 50x50 cm
0006	Bag 44x38 cm
0007	Empty
0008	Empty

Esc NEW A...Z >>

2.

Article dtb	
0001	Box 20x30 cm
0002	Article A
0003	Box 5x5 cm
0004	Box 40x50 cm
0005	Case 50x50 cm
0006	Bag 44x38 cm
0007	Empty
0008	Empty

Esc NEW INDEX >>

3. Select the article number and press OK to confirm

Article dtb	
Select record	
1 ~ 999	
1	2
3	/
Esc	
4	5
6	*
7	8
9	-
BkSp	↓
C	0
.	+
OK	

Esc NEW INDEX >>

## Select an article

1.

GROSS		W1
16:00 kg	0.000	1
TARE	LOT	
kg		
GENERAL		
N.	kg	
PARTIAL		
N.	kg	
ARTICLE		
Box 40x50 cm		
CUSTOMER		

→0+ →T←

M+ M- PRINT >>

2.

Article dtb	
0001	Box 20x30 cm
0002	Article A
0003	Box 5x5 cm
0004	Box 40x50 cm
0005	Case 50x50 cm
0006	Bag 44x38 cm
0007	Empty
0008	Empty

Esc NEW A...Z >>

3.

GROSS		W1
16:00 kg	0.000	1
TARE	LOT	
kg		
GENERAL		
N.	kg	
PARTIAL		
N.	kg	
ARTICLE		
Article A		
CUSTOMER		

→0+ →T←

M+ M- PRINT >>

## Deselect the current article

1.

GROSS		W1
16:00	kg	0.000
TARE	LOT	1
kg		
GENERAL		
N.	kg	
PARTIAL		
N.	kg	
ARTICLE		
Article A		
CUSTOMER		
→0+ →T←		
M+	M-	PRINT >>

2.

Select Article	
0001	Box 20x30 cm
0002	Article A
0003	Box 5x5 cm
0004	Box 40x50 cm
0005	Case 50x50 cm
0006	Bag 44x38 cm
0007	Empty
0008	Empty
Selected article: 0001	
Esc	DESELECT A...Z INDEX



3.

GROSS		W1
16:00	kg	0.000
TARE	LOT	1
kg		
GENERAL		
N.	kg	
PARTIAL		
N.	kg	
ARTICLE		
CUSTOMER		
→0+ →T←		
M+	M-	PRINT >>

## Article selection by image

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

1.

GROSS		W1
16:00	kg	0.000
TARE	LOT	1
kg		
GENERAL		
N.	kg	
PARTIAL		
N.	kg	
ARTICLE		
CUSTOMER		
→0+ →T←		
M+	M-	PRINT >>

2.

Article dtb			
Esc			

3.

GROSS		W1
16:00	kg	0.000
TARE	LOT	1
kg		
GENERAL		
N.	kg	
PARTIAL		
N.	kg	
ARTICLE		
PEACH		
CUSTOMER		
→0+ →T←		
M+	M-	PRINT >>

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

1.

GROSS		W1
16:00	kg	0.000
TARE	LOT	1
kg		
GENERAL		
N.	kg	
PARTIAL		
N.	kg	
ARTICLE		
CUSTOMER		
→0+ →T←		
M+	M-	PRINT >>

2.

Article dtb			
Esc			

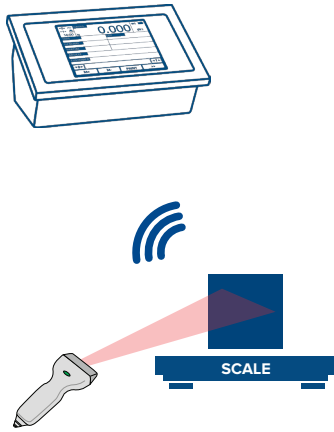
3.

GROSS		W1
16:00	kg	0.000
TARE		
kg		
ARTICLE		
PEACH		
CUSTOMER		
GENERAL		
kg		
PARTIAL		
kg		
→0+ →T←		
M+	M-	PRINT >>

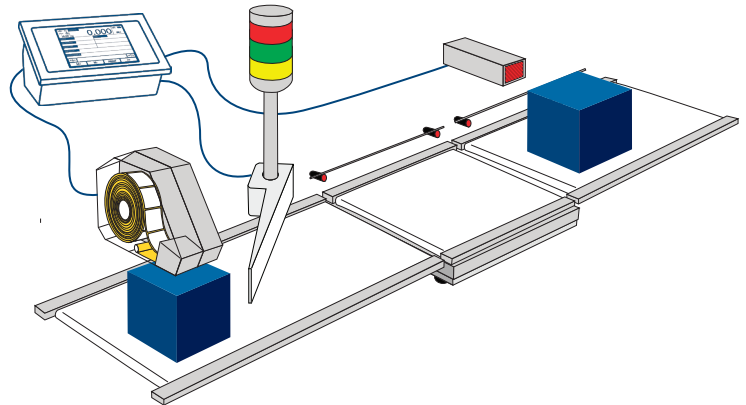
# Article selection via bar code reader

<b>USE</b>	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.
<b>APPLICATIONS</b>	Merchandise entry, warehouse, shipping, etc.
<b>ACTIVATION</b>	It requires advanced configuration.

## Manual



## Automatic



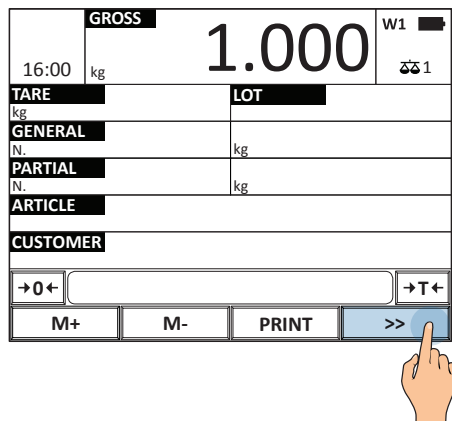
Bar code reader for automatic article recognition

## How to associate a bar code to an article in database

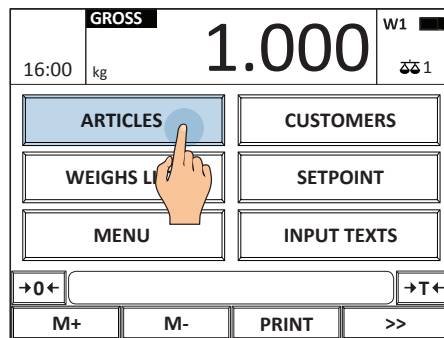
Bar code example:



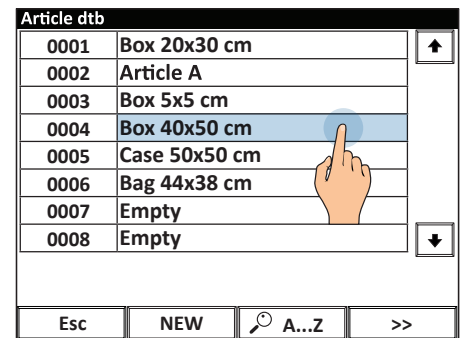
1.



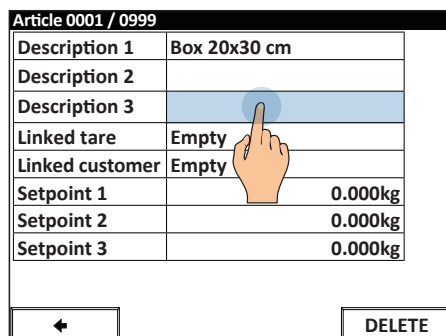
2.



3.

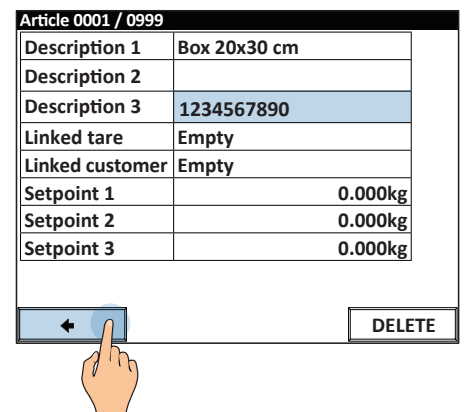


4.



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

5.



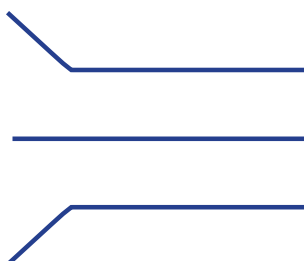
## Article database fields

<b>USE</b>	Allow you to associate descriptions and useful parameters to each article to help to identify it in print and combine it with specific functions.
<b>APPLICATIONS</b>	Article traceability / recognition.
<b>ACTIVATION</b>	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)



Article 0001 / 0999	
Description 1	Box 20x30 cm
Description 2	
Description 3	
Linked tare	Empty
Linked customer	Empty
Setpoint 1	0.000kg
Setpoint 2	0.000kg
Setpoint 3	0.000kg

←      DELETE

## 200 customer database

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

### How to fill in the database

1.

2.

3.

Customer dtb	
0001	Empty
0002	Empty
0003	Empty
0004	Empty
0005	Empty
0006	Empty
0007	Empty
0008	Empty

Esc    NEW    🔍 A...Z    >>

### How to enter a new customer

1.

2. Fill in the fields.

Customer 0001 / 0199	
Description 1	
Description 2	
Description 3	
Description 4	
Description 5	

←      DELETE

3. Saving is automatic

Customer 0001 / 0199	
Description 1	John White
Description 2	
Description 3	
Description 4	
Description 5	

←      DELETE

## How to delete a customer data file

1.

Customer dtb	
0001	WHITE LTD
0002	Empty
0003	Empty
0004	Empty
0005	Empty
0006	Empty
0007	Empty
0008	Empty

2.

Customer 0001 / 0199	
Description 1	WHITE LTD
Description 2	
Description 3	
Description 4	
Description 5	

3.

Article dtb	
Customer 0001/0199	
Delete the record?	
No	Yes

## How to edit a customer data file

1.

Customer dtb	
0001	WHITE LTD
0002	Empty
0003	Empty
0004	Empty
0005	Empty
0006	Empty
0007	Empty
0008	Empty

2.

Customer 0001 / 0199	
Description 1	John White
Description 2	
Description 3	
Description 4	
Description 5	

3. Saving is automatic.

Customer 0001 / 0199	
Description 1	John White
Description 2	Apple Pie
Description 3	
Description 4	
Description 5	

## Entering weigh identifying text

<b>USE</b>	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.
<b>APPLICATIONS</b>	Traceability of weighs.
<b>ACTIVATION</b>	“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.

16:00	GROSS	1.000	W1
kg			1
TARE	LOT		
kg			
GENERAL	kg		
N.	kg		
PARTIAL			
N.			
ARTICLE			
CUSTOMER			

2.

Text (LOT)												
000123												
Esc	'	<	/	]	Clear	BkSp						
1	2	3	4	5	6	7	8	9	0			
Q	W	E	R	T	Y	U	I	O	P			
A	S	D	F	G	H	J	K	L	;			
2 <sup>o</sup> F	Z	X	C	V	B	N	M	,	.			
Shift	←							→	OK			

3.


16:00	GROSS	1.000	W1
kg			1
TARE	LOT		
kg	000123		
GENERAL	kg		
N.	kg		
PARTIAL			
N.			
ARTICLE			
CUSTOMER			



## How to access the complete list of texts


1.

GROSS		1.000		W1
16:00	kg			1
TARE	kg	LOT		
GENERAL	N.	kg		
PARTIAL	N.	kg		
ARTICLE				
CUSTOMER				
→0←				→T←
M+	M-	PRINT	>>	



2.

GROSS				W1
16:00	kg			
ARTICLES		CUSTOMERS		
WEIGHS LIST		SETPOINT		
MENU		INPUT TEXTS		
→0←				→T←
M+	M-	PRINT	>>	



3.

Input text	
0001	LOT
0002	OPERATOR
Esc	



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-7)

GROSS		1.000		W1
16:00	kg			1
TARE	kg	LOT		
GENERAL	N.	kg		
PARTIAL	N.	kg		
OPERATOR		COLOR		
QTY		VOLUME		
→0←				→T←
M+	M-	PRINT	>>	

## Customer database fields

<b>USE</b>	Allow you to associate descriptions to each article to help to identifying it in print and combining it with specific functions.
<b>APPLICATIONS</b>	Customer traceability / recognition
<b>ACTIVATION</b>	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.

Customer 0001 / 0199	
Description 1	
Description 2	
Description 3	
Description 4	
Description 5	
←	DELETE

# Preset 300 tare database

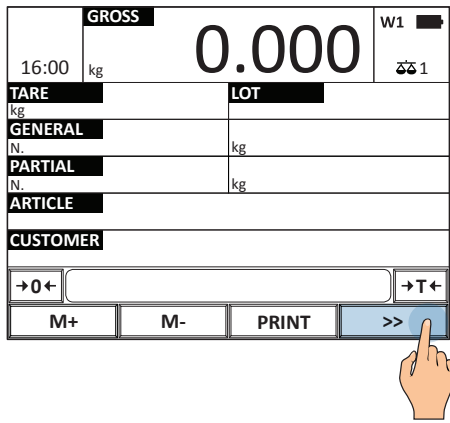
<b>USE</b>	Allows you to save all the most frequently used tares for quick retrieval.
<b>APPLICATIONS</b>	Warehouse / Goods receipt / Production / Packaging.
<b>ACTIVATION</b>	Filling out the tare database and associating a tare weight to an article are standard active functions.

## How to fill in the database

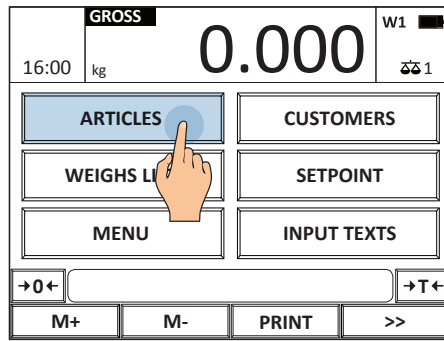
- 
- 
- 
- 
- 
- 
6. Enter the tare value and press OK to confirm
-

# How to associate the tare to an article

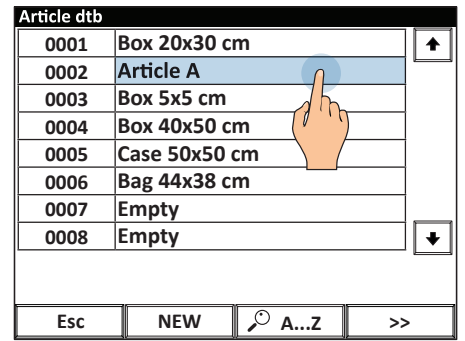
1.



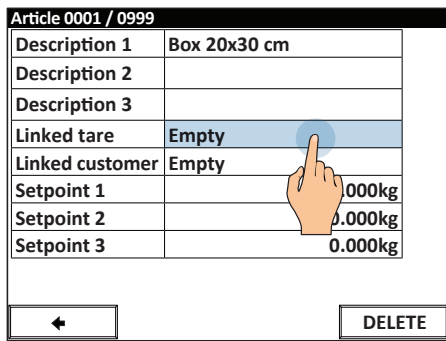
2.



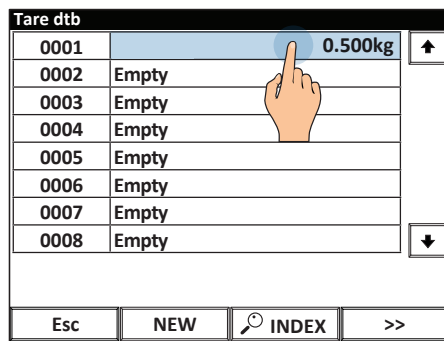
3.



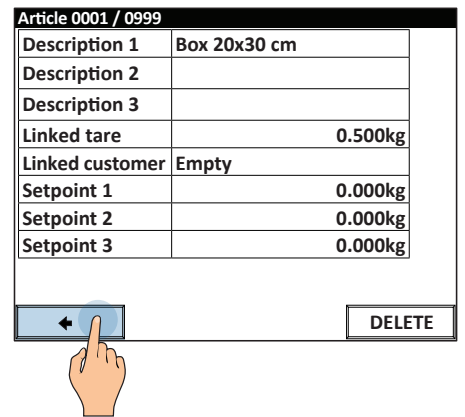
4.



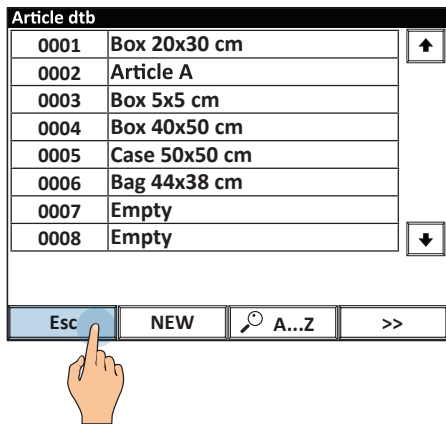
5.



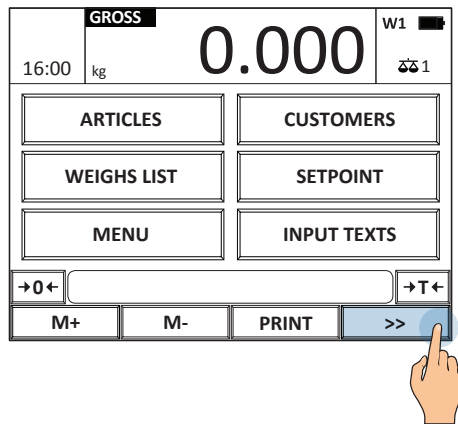
6. Saving is automatic



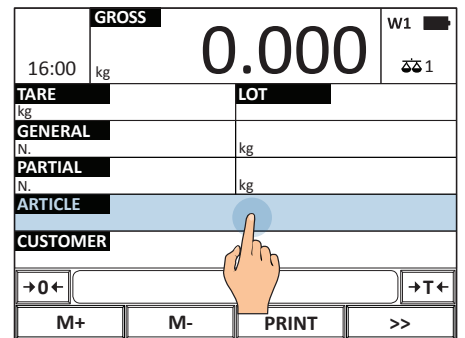
7.



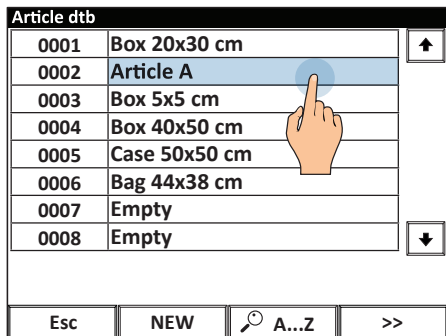
8.



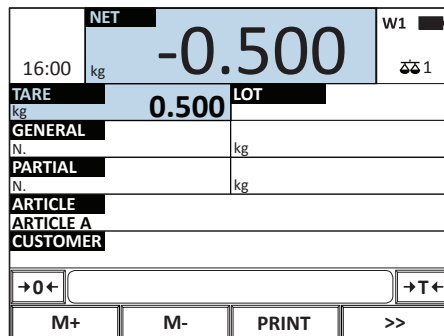
9.



10.

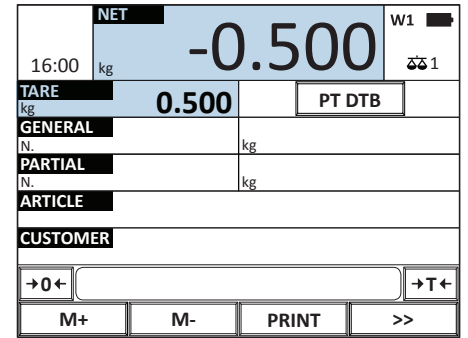
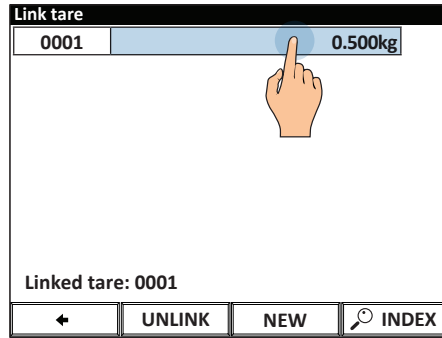
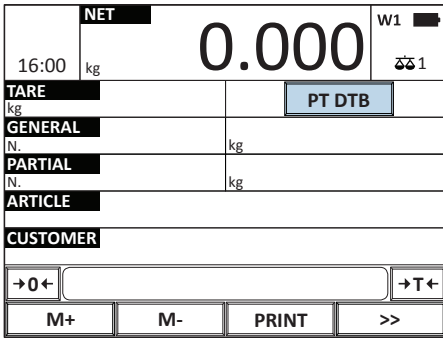


11.



### Quick selection of saved tare

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

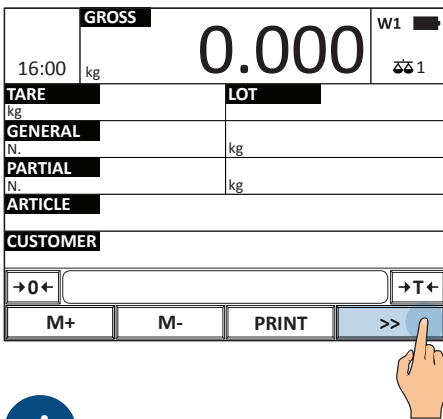


Quick tare selection from the main screen requires advanced configuration.

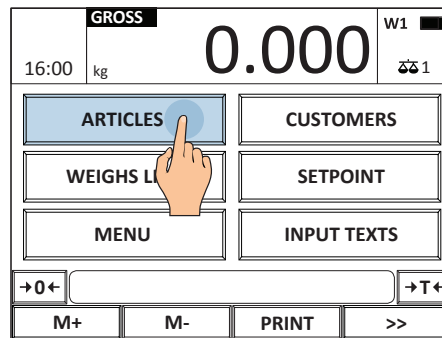
### Password to access the database

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

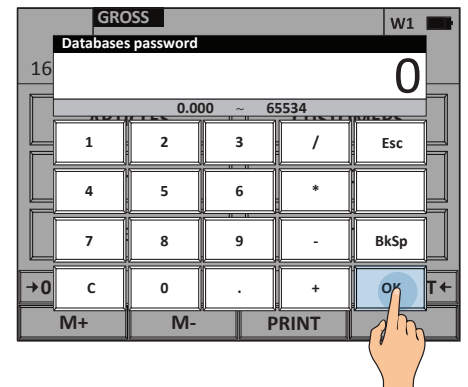
- 1.



- 2.



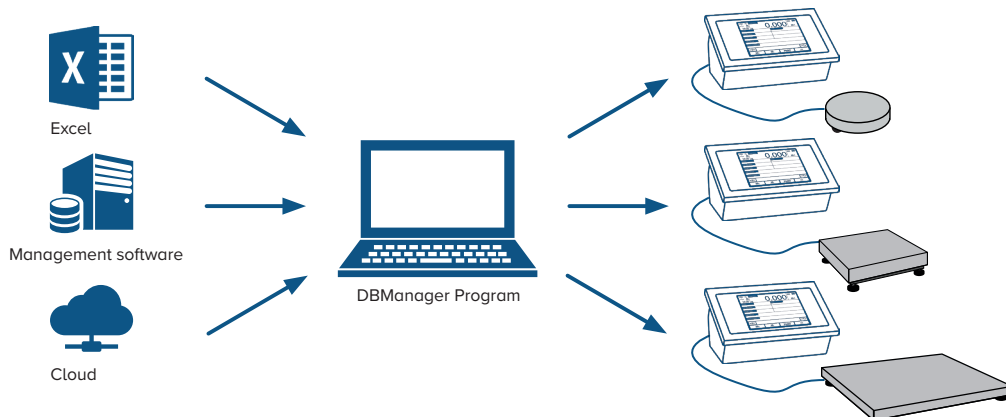
3. Type the password and press OK



The password is univocal for all database entries.

### Filling out database from PC with “DBManager”

<b>USE</b>	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.
<b>APPLICATIONS</b>	Automatic scale database update.
<b>ACTIVATION</b>	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

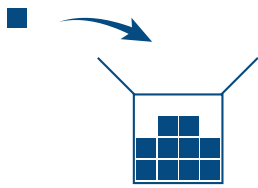


Thanks to the option of completely independent printing and reset, the totals can assume different functions: lot total, shift total, etc

# Labelling and packaging

Example:

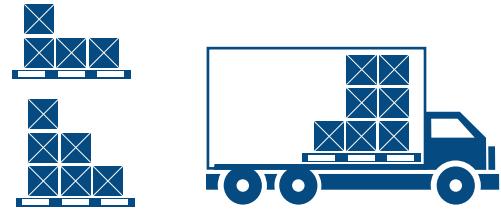
**Box total**  
(partial total)



**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 AR GEO 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	
 <small>1 234567 890123</small>	

Partial total

DINI AR GEO 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	
 <small>1 234567 890123</small>	

General total

DINI AR GEO 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 AR GEO Scales - Weighing systems	
GRAND TOTAL	
PALLET NB.: 3	
GROSS	270.0 kg
23/02/2016 10:15	
	

**i**

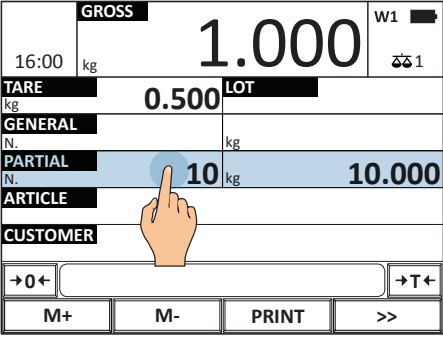
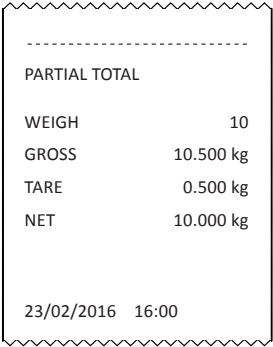
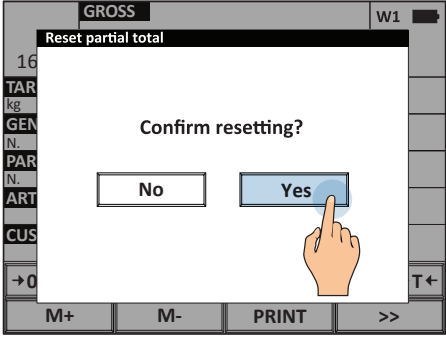
You can print a packing list

DINI AR GEO 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)

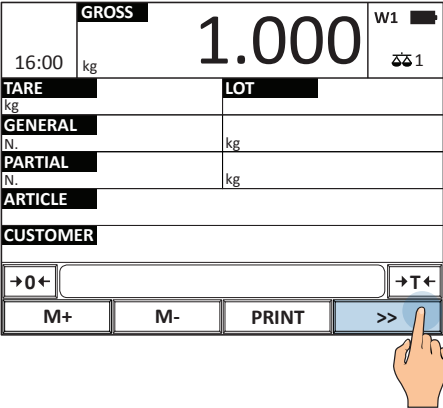
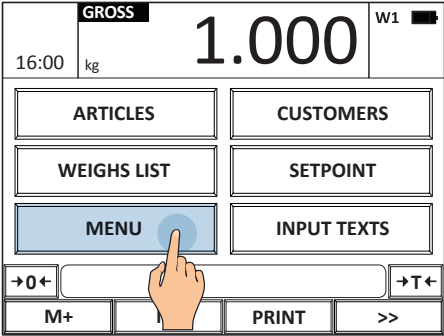
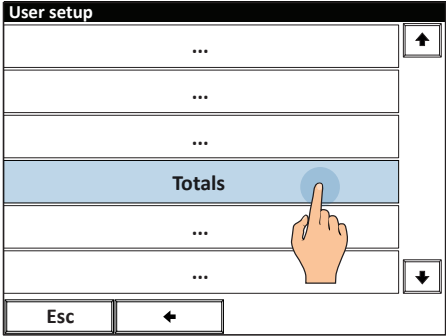
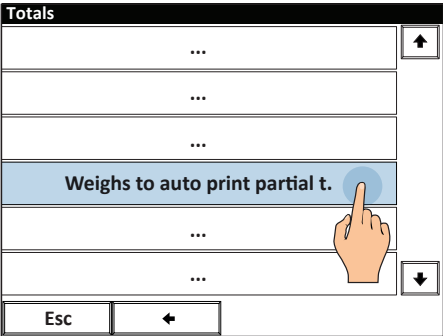
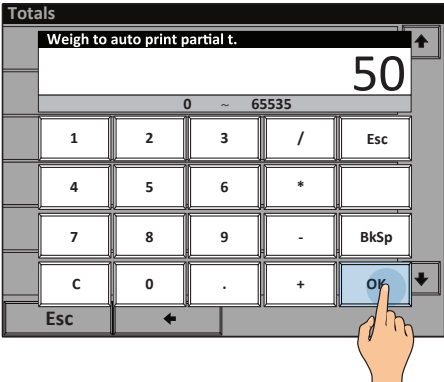
# How to print and reset the partial total

## ACTIVATION Standard active function.

- 
- 
- 

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

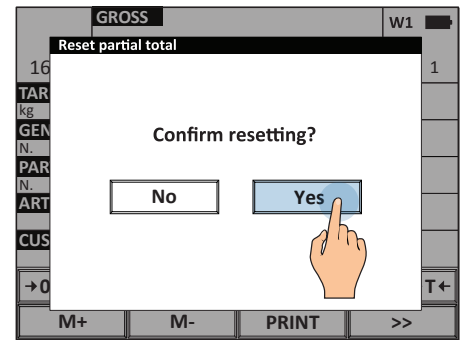
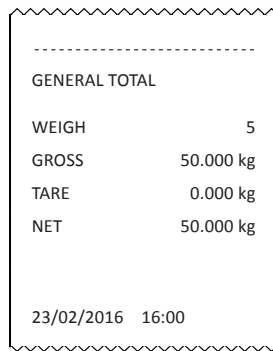
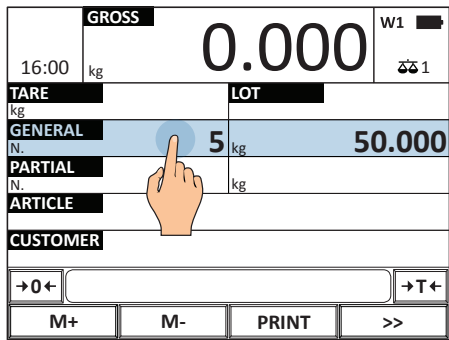
### Printing and automatic resetting the partial total.

- 
- 
- 
- 
- 

# 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.

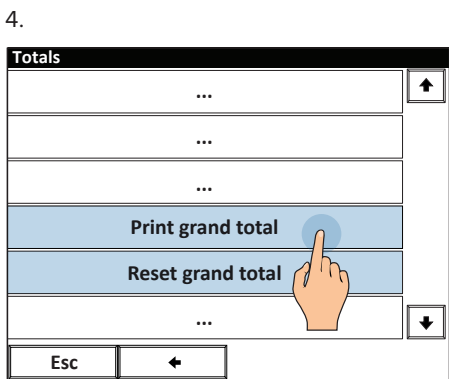
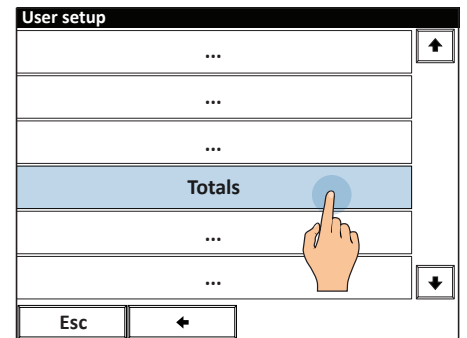
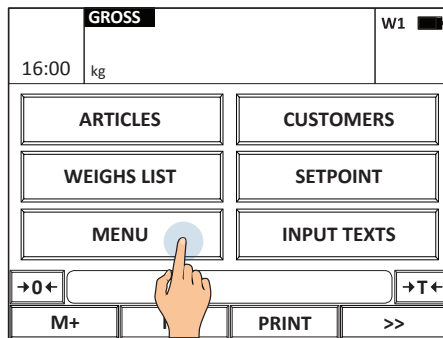
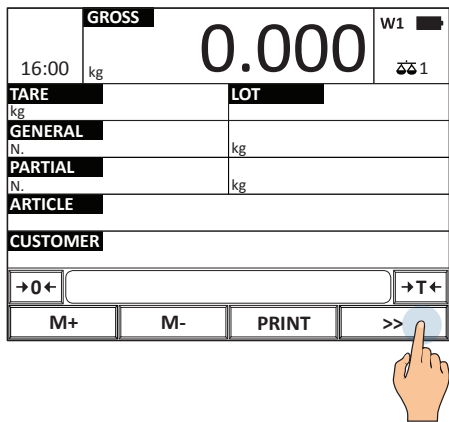


**i** At the first totalisation after general total reset, the header will be reprinted (if programmed).

# How to print and reset the grand total

**ACTIVATION** Standard active function.

- 1.
- 2.
- 3.



**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.



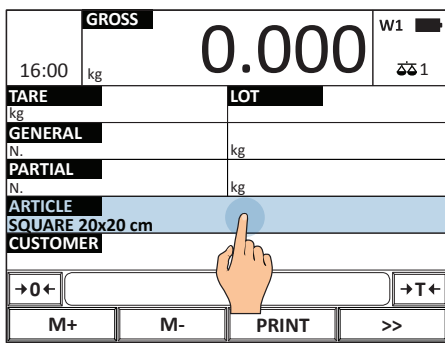
# Database totals

<b>USE</b>	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.
<b>ACTIVATION</b>	Database totals are standard active and can be printed out and reset independently.

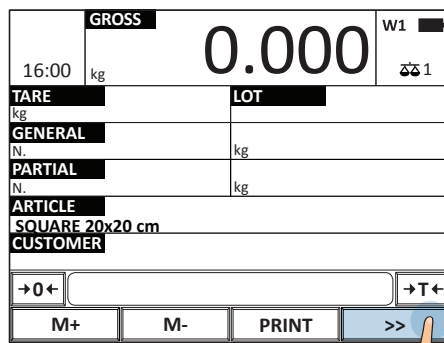
## How to print and reset the total per individual article

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

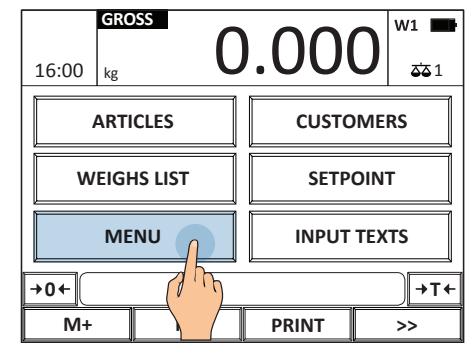
1. Select the article



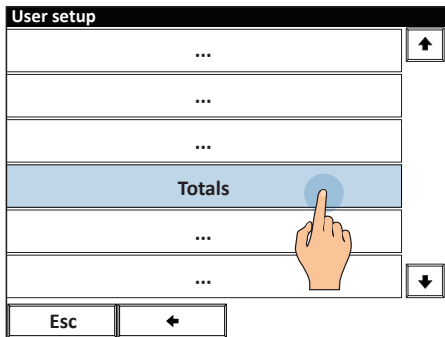
2.



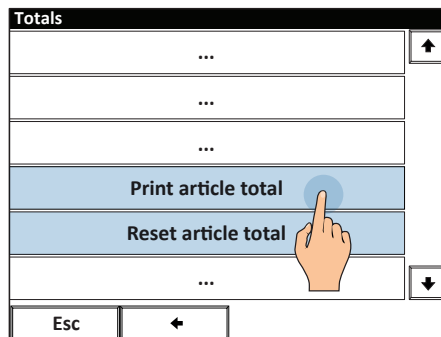
3.



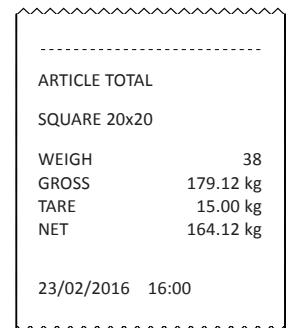
4.



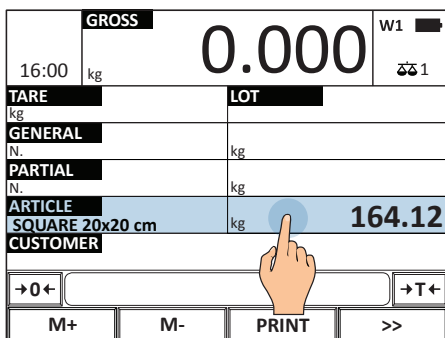
5.



6.



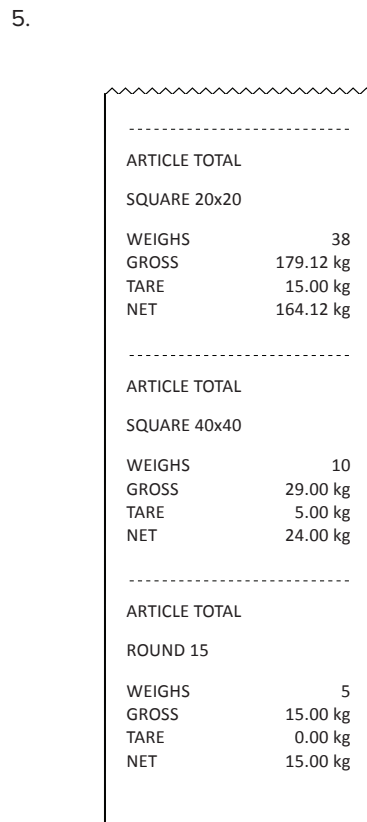
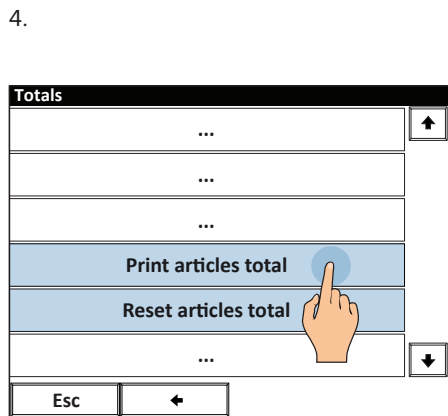
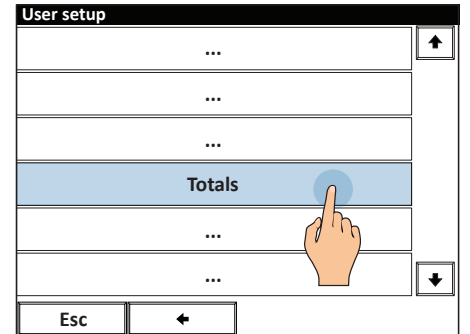
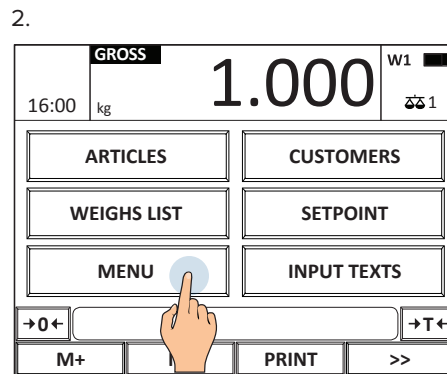
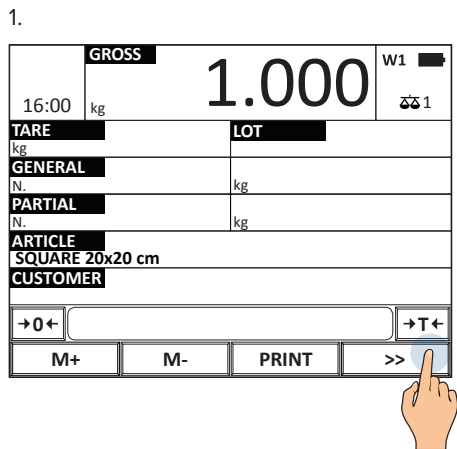
Alternative



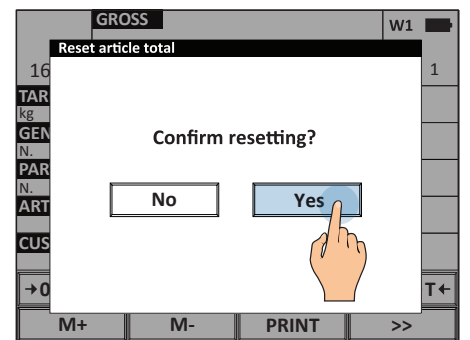
**i** You can enter a direct recall of the print function on the main screen. (Requires advanced configuration)

# How to print and reset the total of handled articles

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



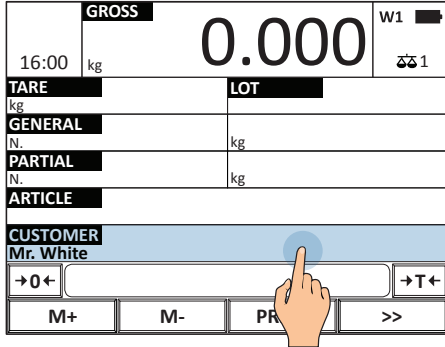
6. Press YES to reset the total, press NO to continue the accumulation in progress.



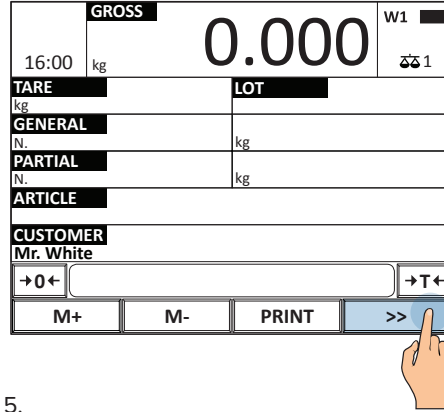
# How to print and reset the total per individual customer

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

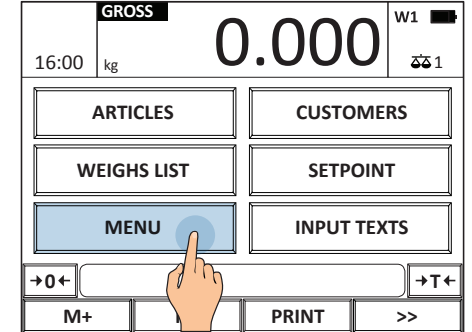
1. Select the customer



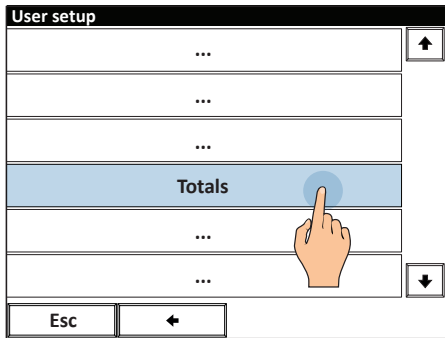
2.



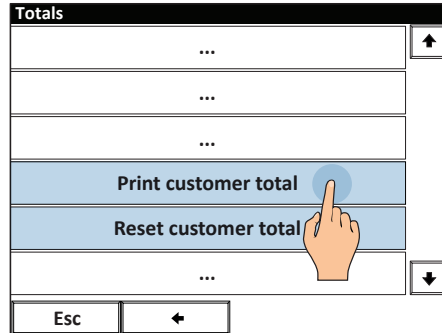
3.



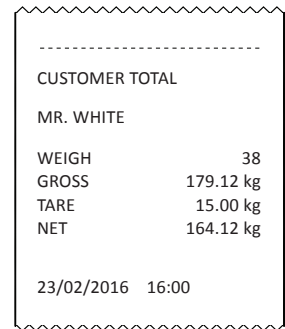
4.



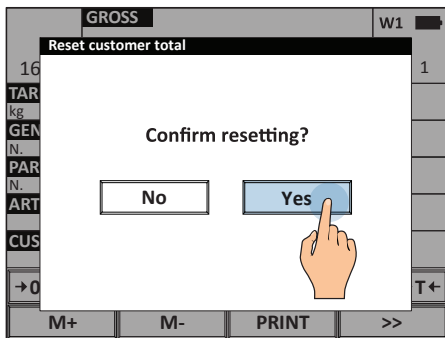
5.



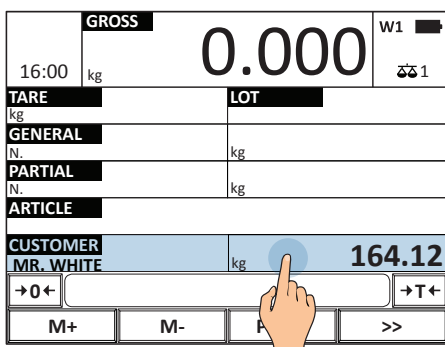
6.



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



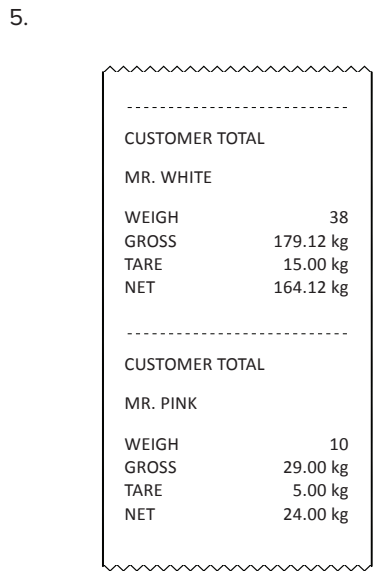
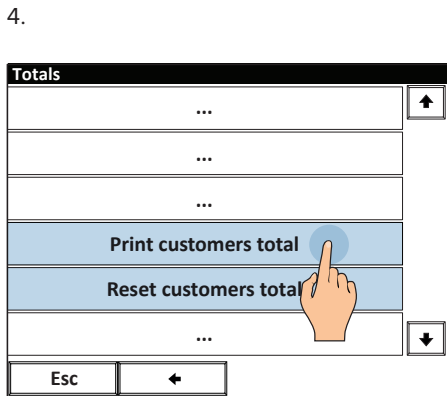
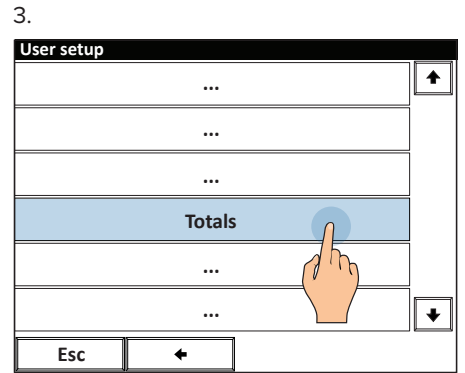
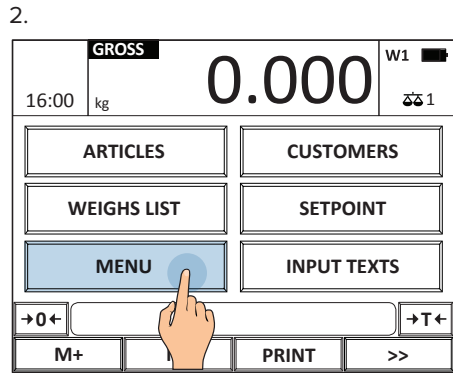
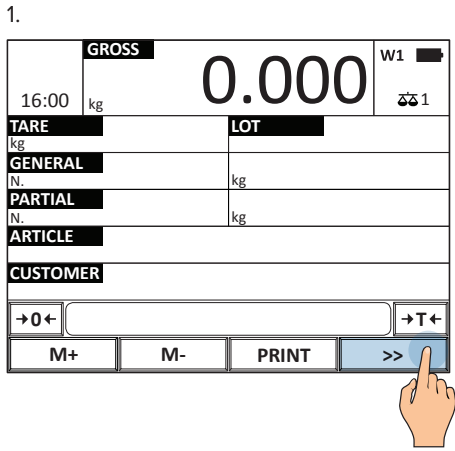
Alternative



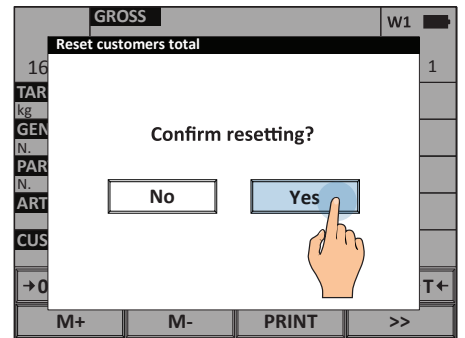
**i** You can enter a direct recall of the print function on the main screen. (Requires advanced configuration)

# How to print and reset the total of handled customers

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

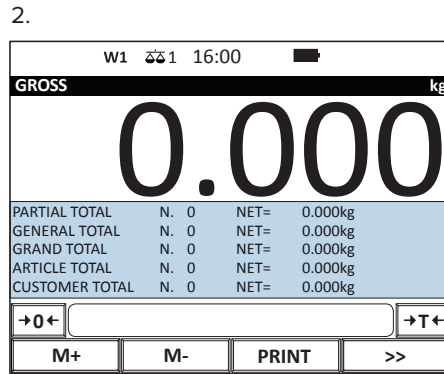
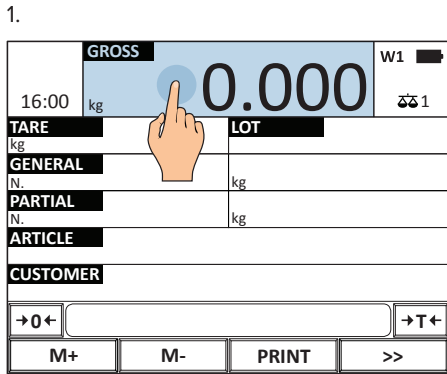


6. Press YES to reset the total, press NO to continue the accumulation in progress.



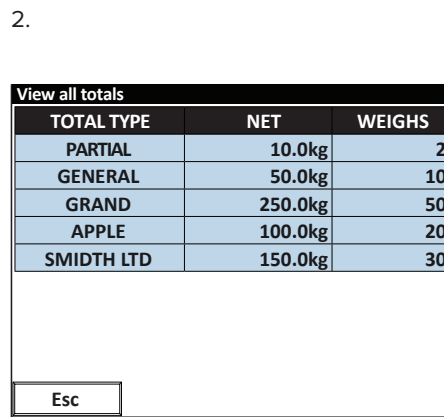
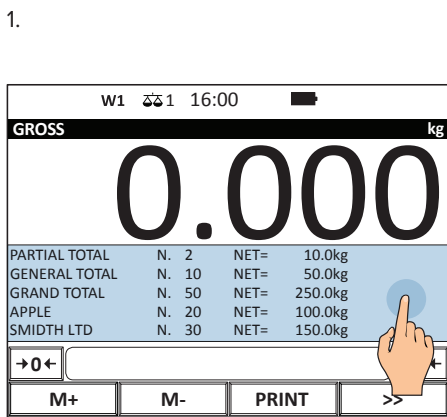
# How to view the summary of accumulated totals

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

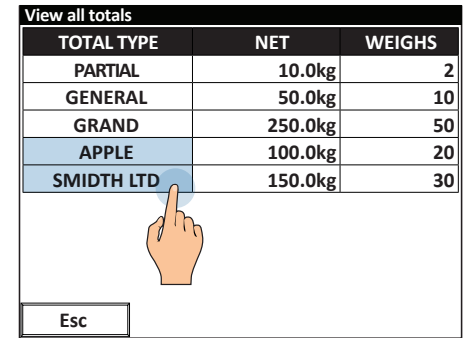


**i** This view shows the total of the article and customer selected at that time.

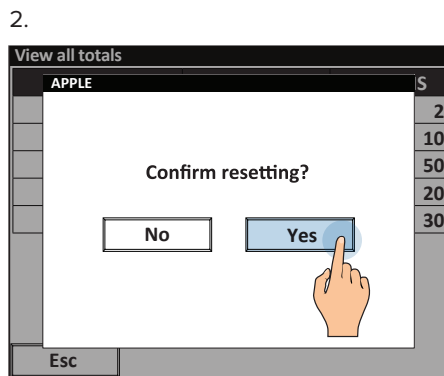
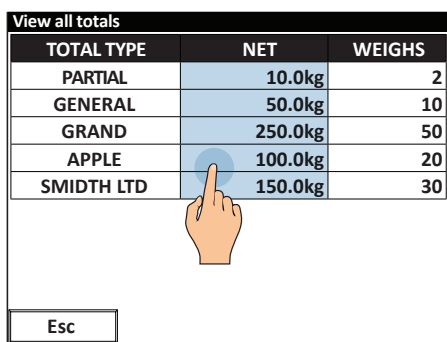
## How to view the accumulated total by the desired customer / article.



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

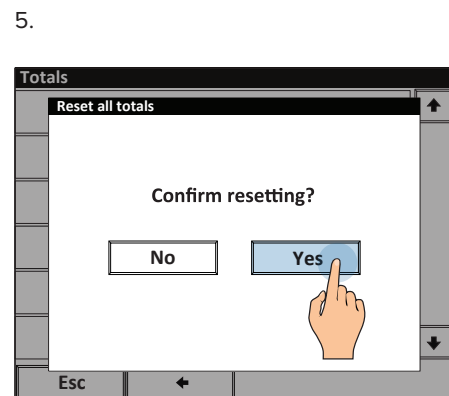
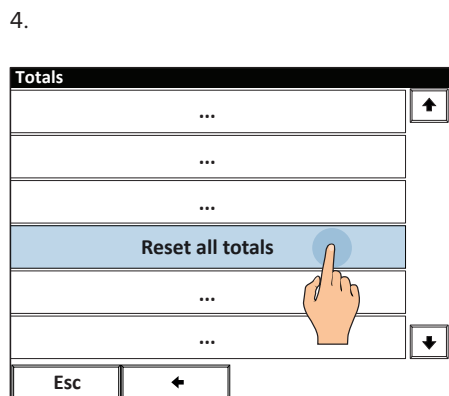
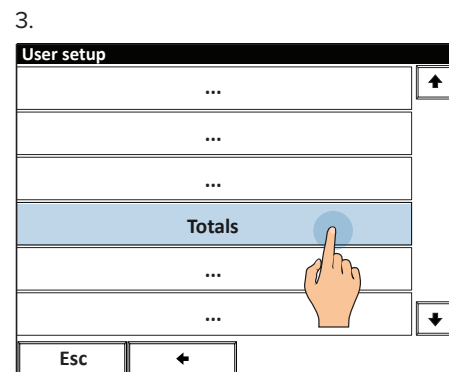
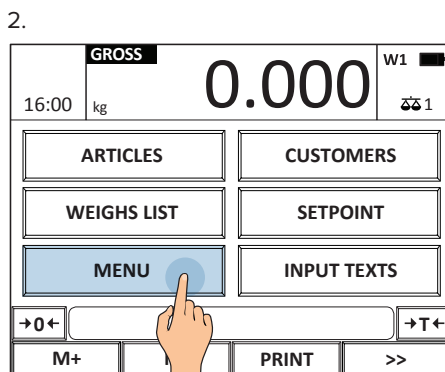
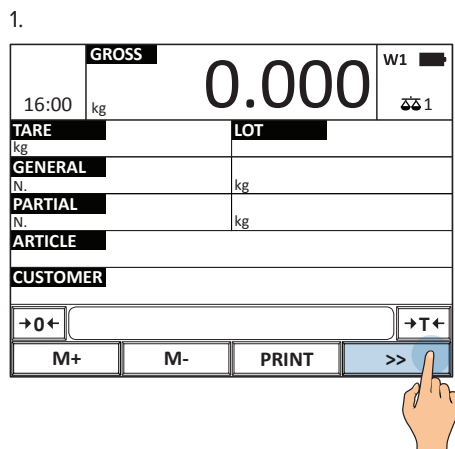


## How to print and reset the accumulated total by the desired customer / article.



# How to reset all totals

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



# Progressive counters

<b>USE</b>	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.
<b>APPLICATIONS</b>	Labelling / packaging / Lot management.
<b>ACTIVATION</b>	The progressive counters all come standard active.

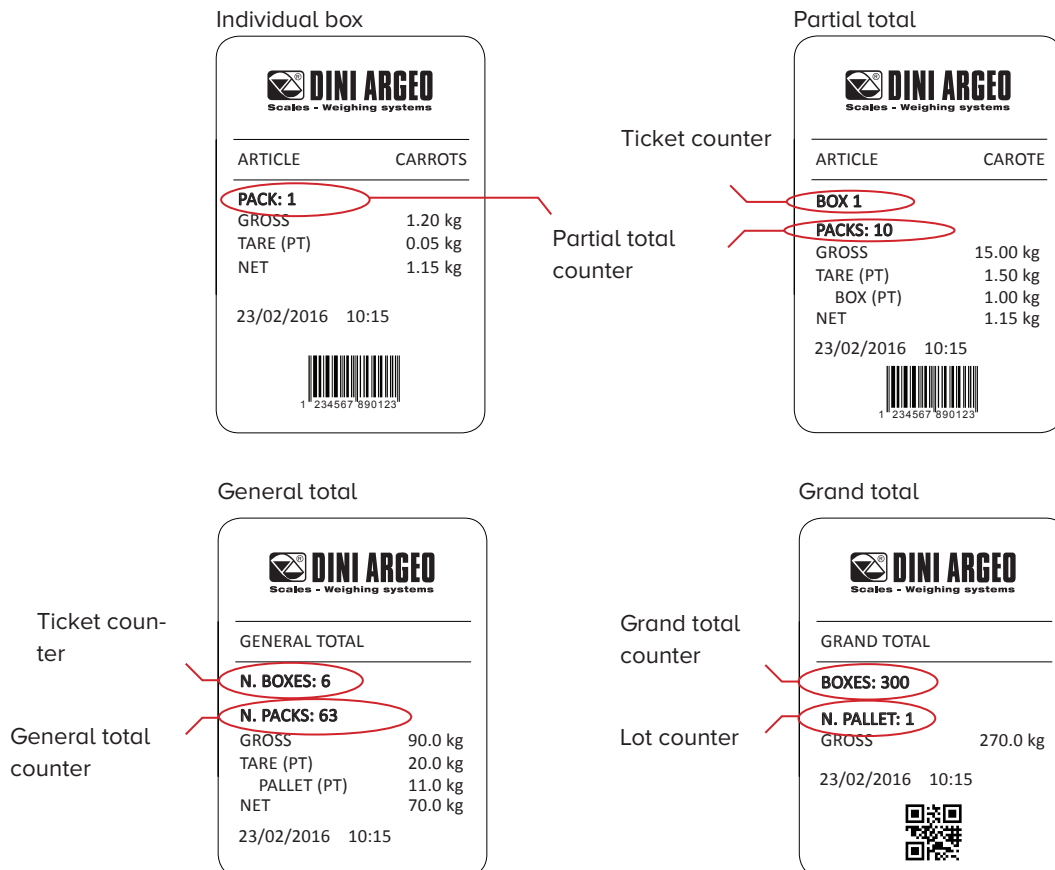
The instrument has the following progressive counters that increase by 1 for each weighing:

- 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.

- 
- 
- 
- 
- 

# 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.

- 
- 
- 
- 
-



# Setting the initial value of the ticket counter

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

- 
- 
- 
- 
- 

**DINI ARCEO**  
Scales - Weighing systems

ARTICLE	CAROTA
<b>BOX 2500</b>	
PACK: 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	

BOX 2501  
BOX 2502  
BOX 2503  
BOX 2504  
BOX 2505  
...

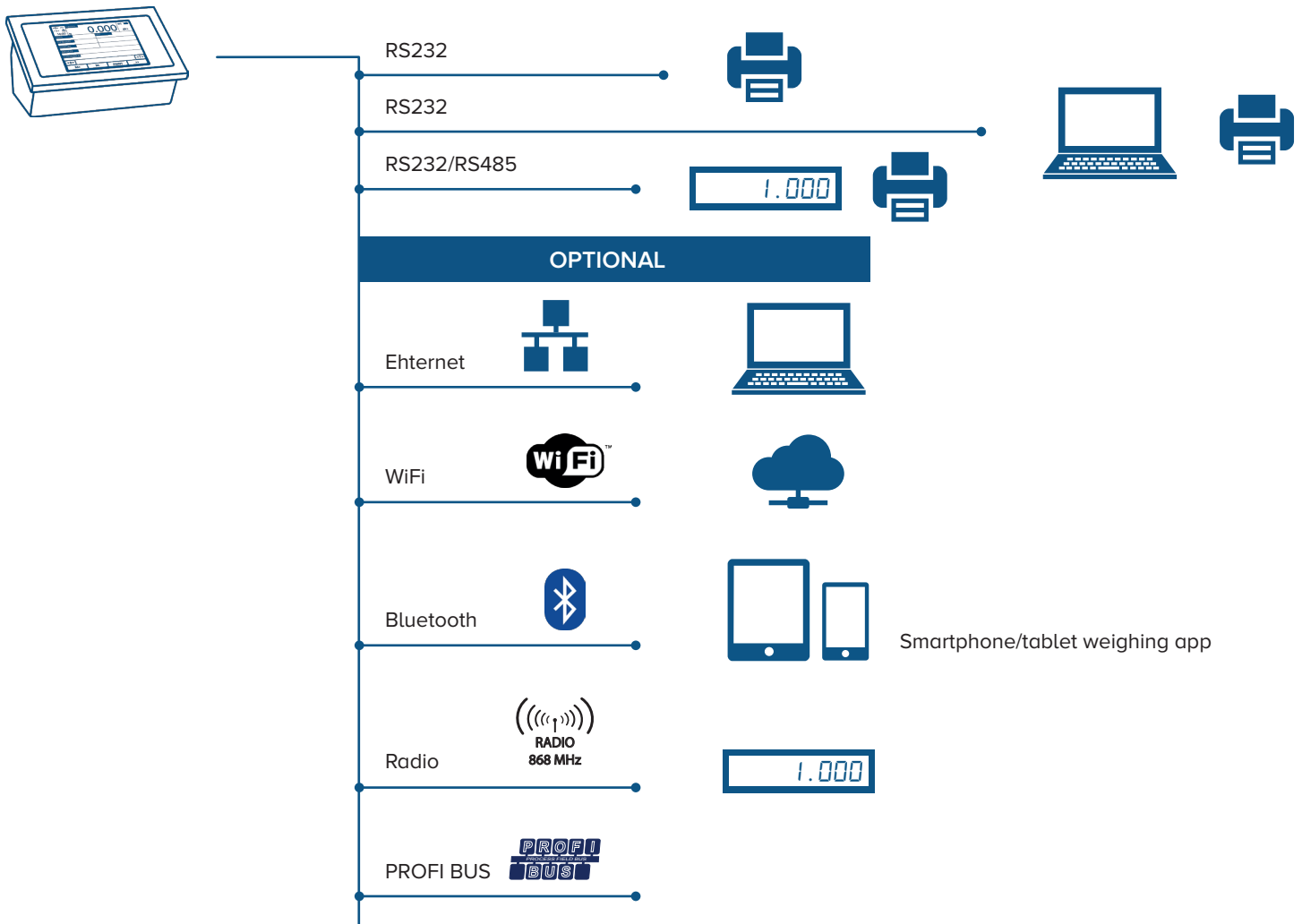
# Lot counter reset

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

- 
- 
- 
- 
-

# 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:

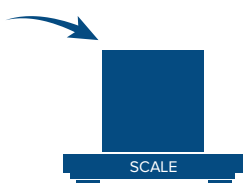


The communication protocol can be fully customised to easily integrate the weight indicator into existing systems that use other brand scales without having to change the programs being used.

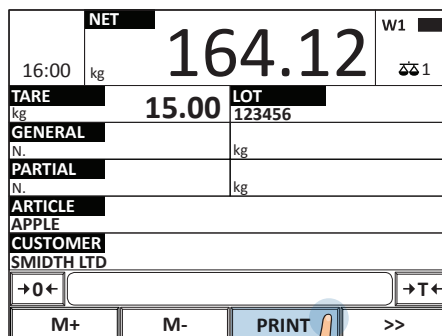
## Simple print

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

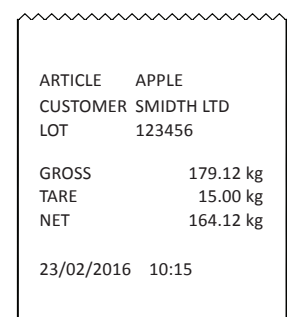
1.



2.

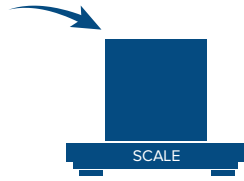
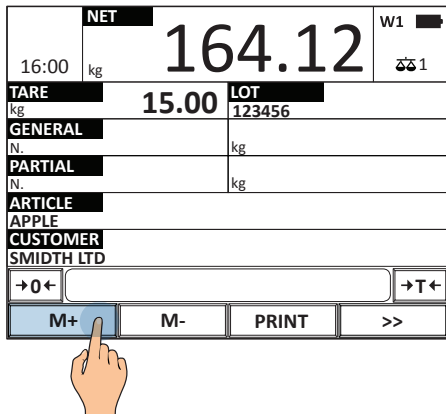
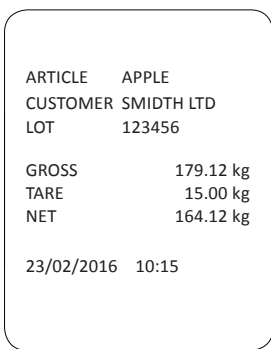


3.



# Printing at each weigh

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

- 
- 
- 

# Customisable print format

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



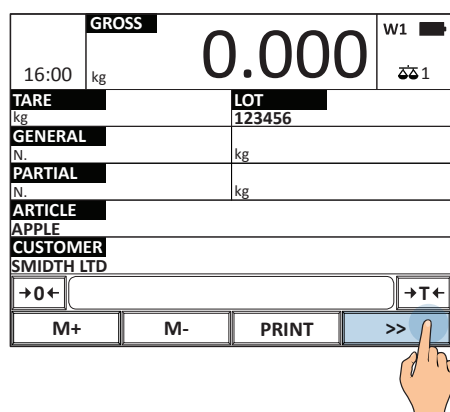
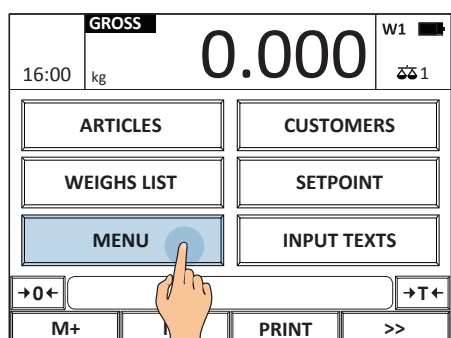
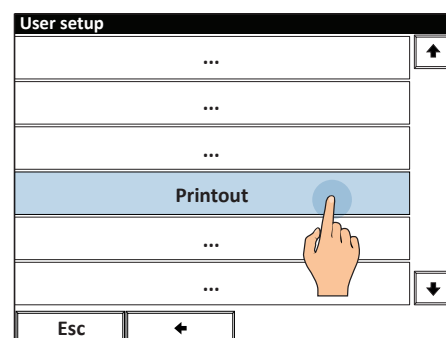


Over 300 data available to print

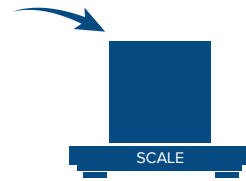
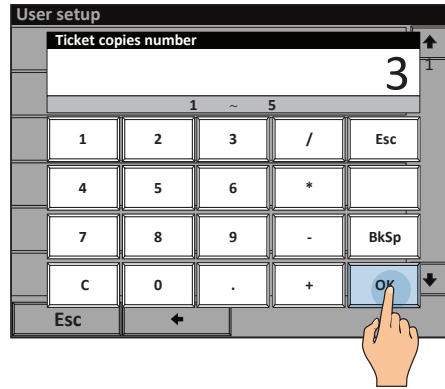
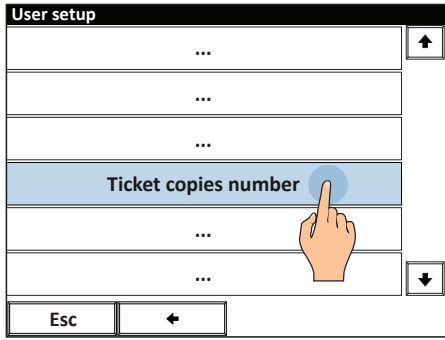
- Weights
- Descriptions
- Texts
- Traceability Data
- Images
- Logos
- Bar codes / QR Codes
- Dates (production, packaging, deadline etc)
- Lot
- Operator

# Multi-copy printing

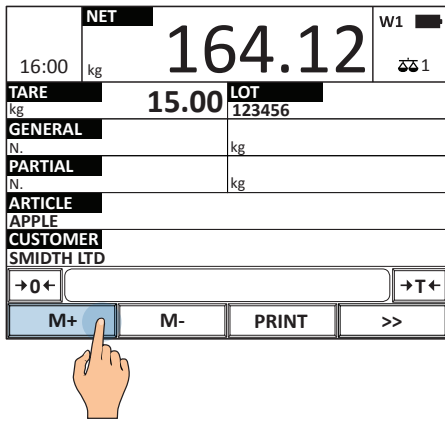
<b>USE</b>	Allows you to issue up to 5 copies of the same receipt/label
<b>APPLICATIONS</b>	Labelling / Packaging
<b>ACTIVATION</b>	Standard active function.

- 
- 
- 

- 4.
5. Enter the number of copies and press OK to confirm
- 6.



- 7.
8. Automatic multi-copy printing at every totalisation



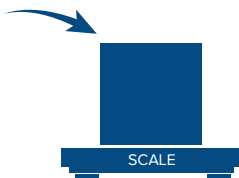
Copy 1	Copy 2	Copy 3
ARTICLE APPLE CUSTOMER SMIDTH LTD LOT 123456	ARTICLE APPLE CUSTOMER SMIDTH LTD LOT 123456	ARTICLE APPLE CUSTOMER SMIDTH LTD LOT 123456
GROSS 179.12 kg TARE 15.00 kg NET 164.12 kg	GROSS 179.12 kg TARE 15.00 kg NET 164.12 kg	GROSS 179.12 kg TARE 15.00 kg NET 164.12 kg
23/02/2016 10:15	23/02/2016 10:15	23/02/2016 10:15

## Automatic printing

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

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

- 3.
4. Increase of the totals



NET	W1
16:00 kg <b>10.000</b> 1	
TARE kg	LOT 123456
GENERAL 5 kg	<b>10.000</b>
PARTIAL 5 kg	<b>10.000</b>
ARTICLE APPLE CUSTOMER SMIDTH LTD	
→0←	→T←
M+ M- PRINT >>	

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

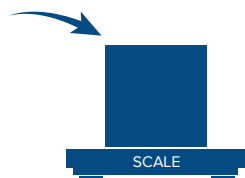


To achieve maximum print speeds, we recommend enabling a weighing filter appropriate for the application.

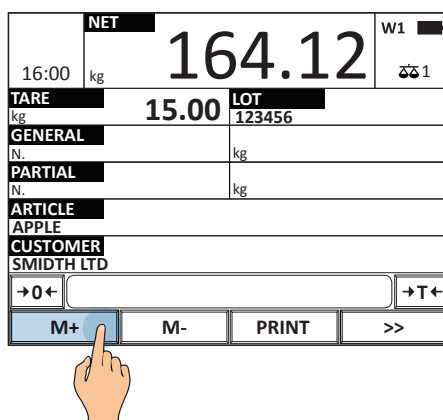
# Repeat last printing

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

1.



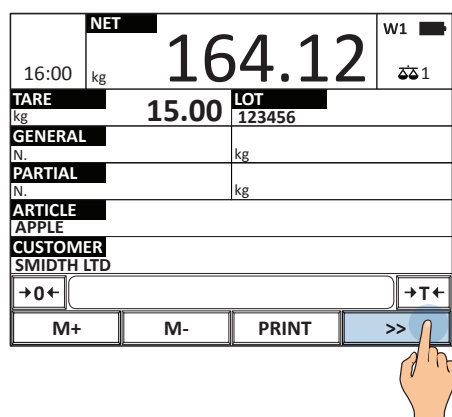
2.



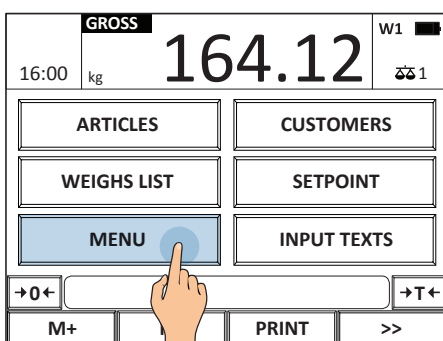
3. Automatic printing at every totalisation



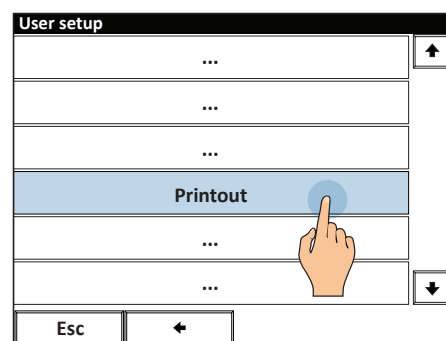
4.



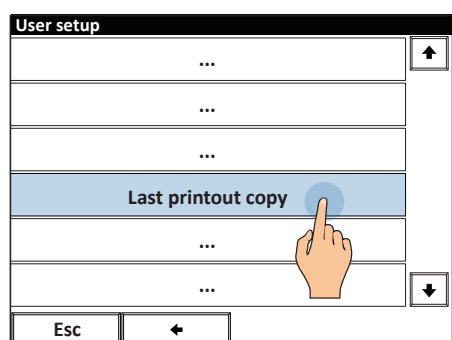
5.



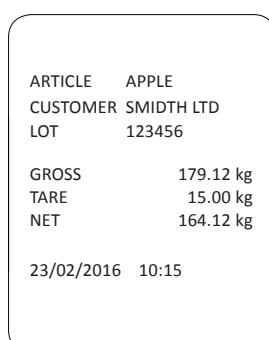
6.



7.



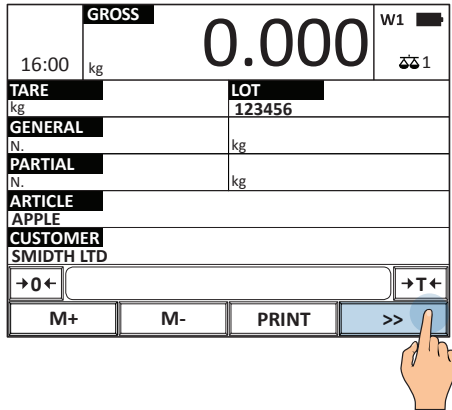
8.



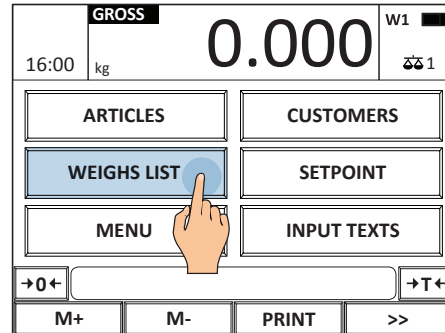
# How to print and reset generic packing lists

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

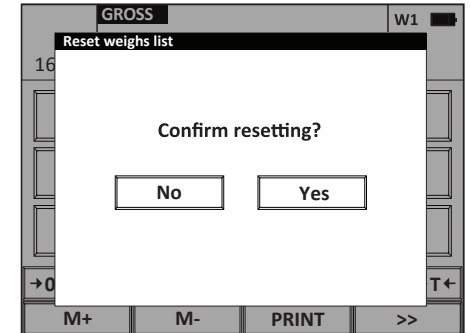
1.



2.



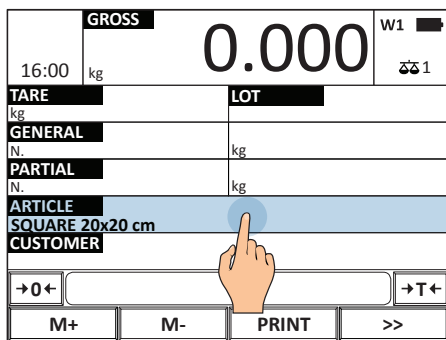
3. Press YES to reset the list, press NO to continue.



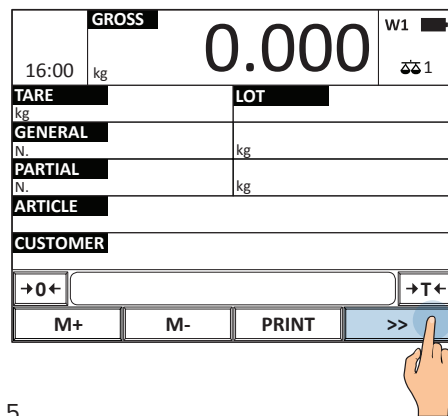
# How to print and reset packing lists per article

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

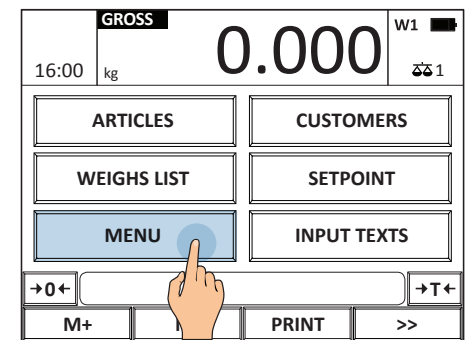
1. Select the article



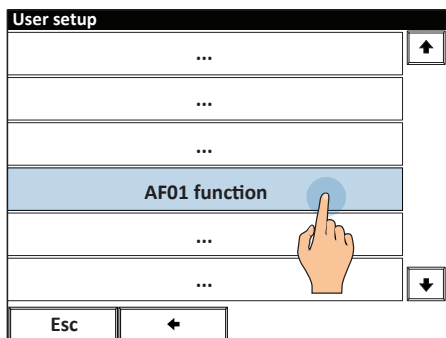
2.



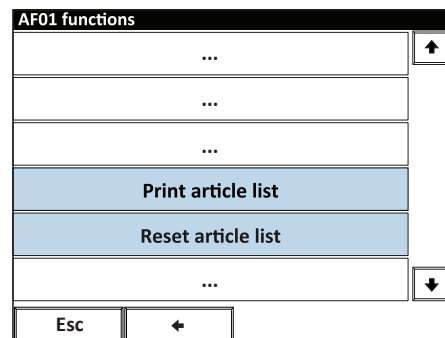
3.



4.



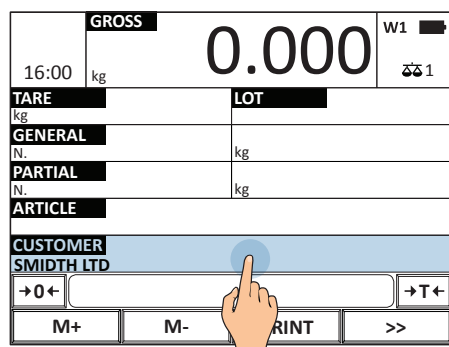
5.



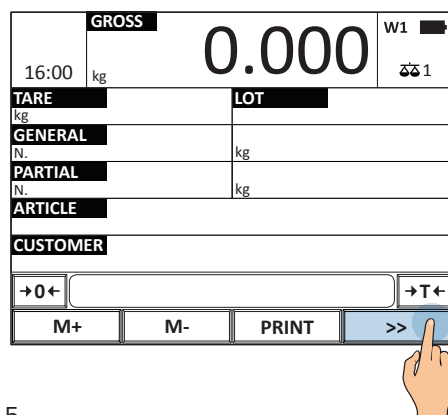
# How to print and reset packing lists per customer

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

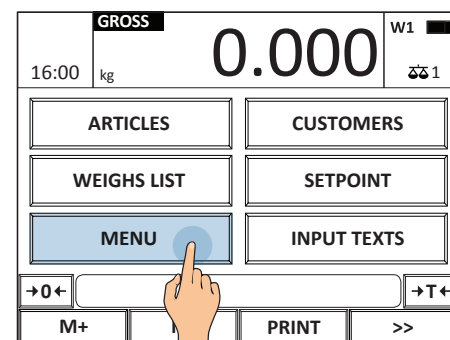
1. Select the article



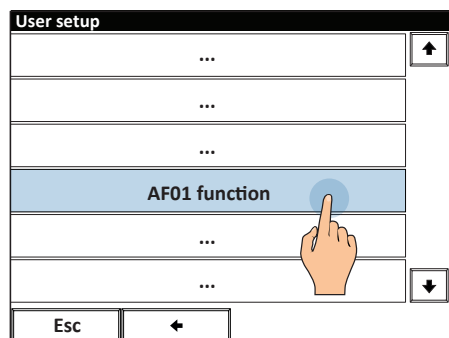
2.



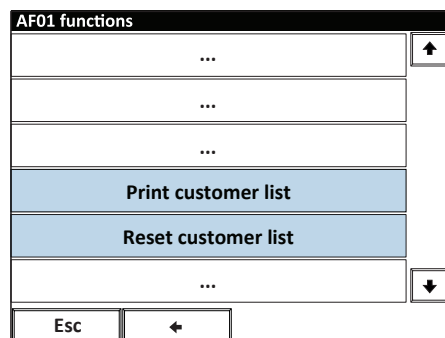
3.



4.



5.

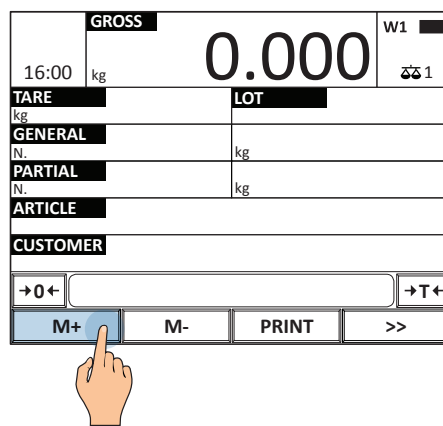
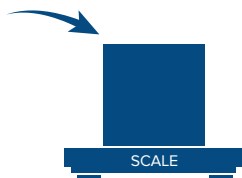


## Real time saving on portable USB device

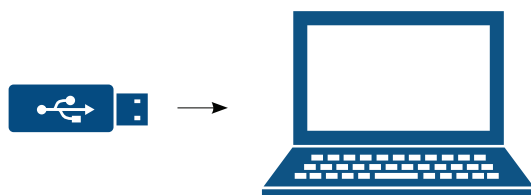
<b>USE</b>	Allows you to have a backup of more than 5,000,000 weighs and correlated data.
<b>APPLICATIONS</b>	<ul style="list-style-type: none"> <li>• Production traceability</li> <li>• Control reporting</li> <li>• Giving operators responsibility</li> </ul>
<b>ACTIVATION</b>	It requires advanced configuration.

**i** 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

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



# Saving on alibi memory

<b>USE</b>	The fiscal memory allows you to transfer the weighs performed to the IT system for use in commercial transactions with third parties.
<b>APPLICATIONS</b>	Entering the weight in transport documents, invoices, reports for commercial transactions with third parties.
<b>ACTIVATION</b>	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

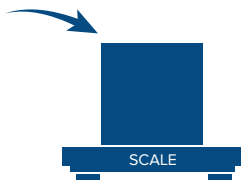
Example:

**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.

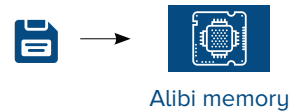


2.

GROSS		W1
16:00 kg	1.000	1
TARE	LOT	
kg		
GENERAL		
N.	kg	
PARTIAL		
N.	kg	
ARTICLE		
CUSTOMER		
→0←		
M+	M-	PRINT
		>>



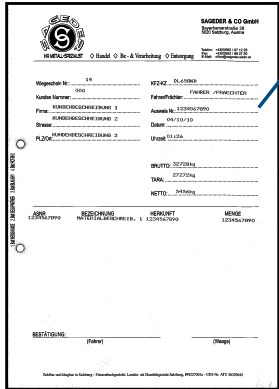
3. Automatic printing at every totalisation



# Alibi memory reading

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

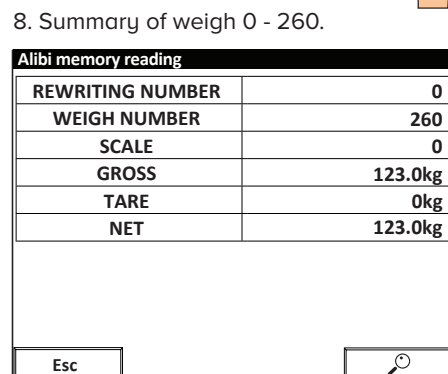
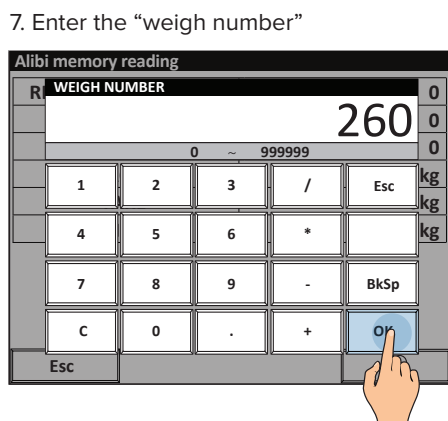
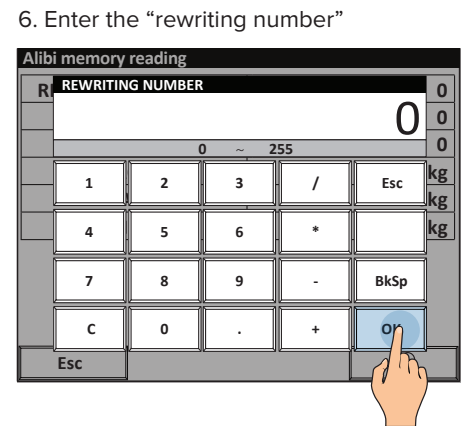
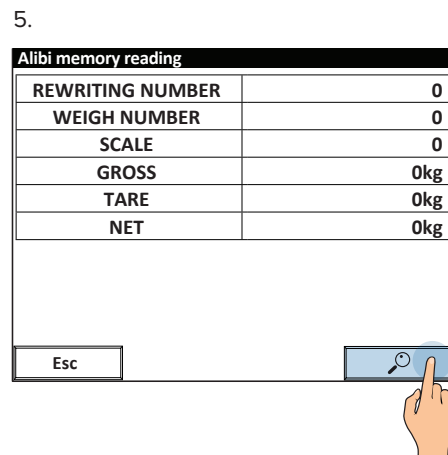
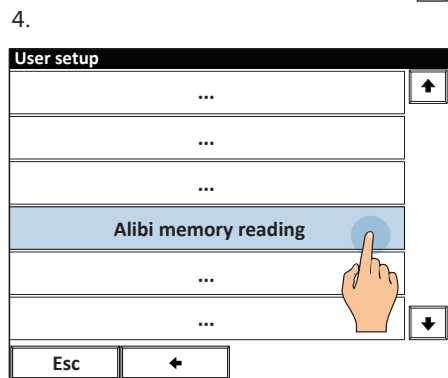
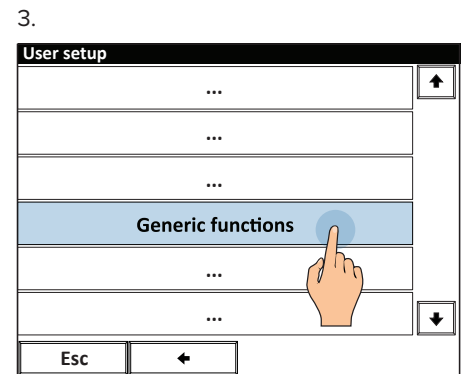
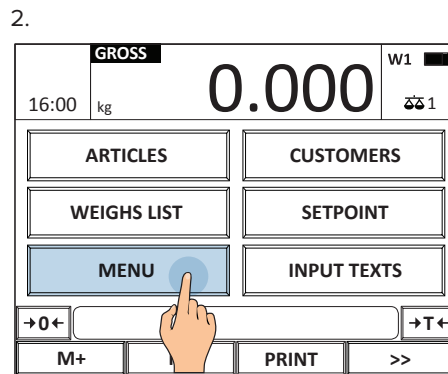
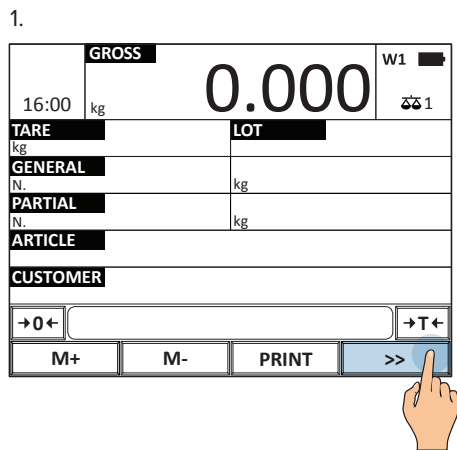
Example:



**Alibi memory ID code to verify:**

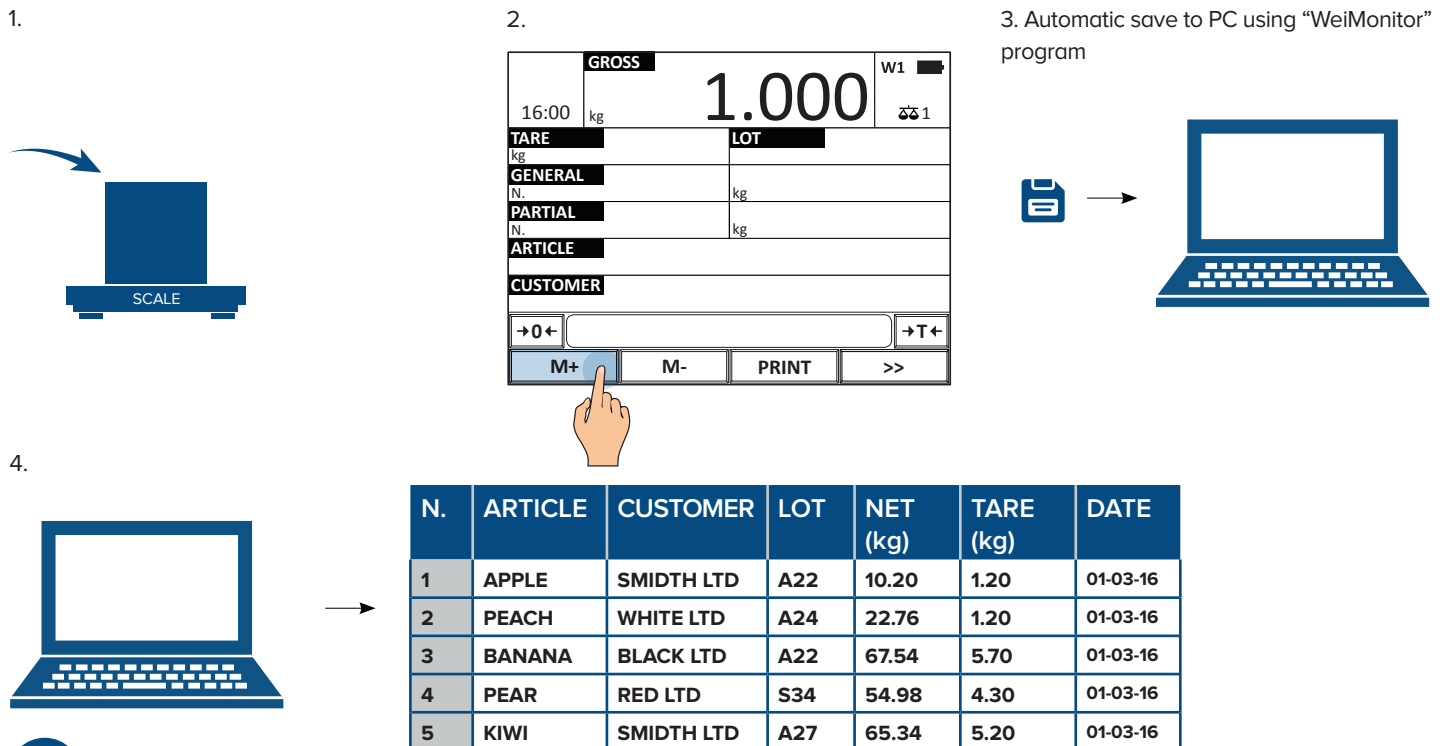
123.0kg ( 0 - 260 )

Rewriting number      Weigh number



## Saving weighs to PC via “WeiMonitor” program

<b>USE</b>	“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.)
<b>APPLICATIONS</b>	Traceability / Production monitoring
<b>ACTIVATION</b>	The “WeiMonitor” program is optional, requires a license and advanced configuration.



**i**

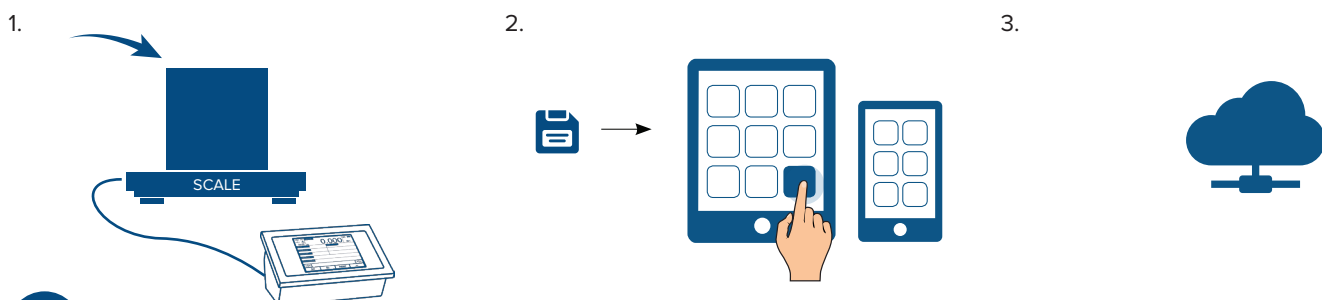
Communication between scale and PC occurs via RS232, USB, Ethernet or WiFi. (E-1)

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.

## Smartphone/tablet weighing app

<b>USE</b>	Weighing apps developed by DINI ARGEO allow you to share the weight data and all the corresponding traceability data in real time with any unit connected to the company IT system via web / ftp.
<b>APPLICATIONS</b>	Rapid global information exchange.
<b>ACTIVATION</b>	The DINI ARGEO apps can be downloaded from Google Play and require advanced configuration.



**i**

Communication between scales and tablet / Smartphone occurs via Bluetooth or WiFi. (E-1)

# 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.

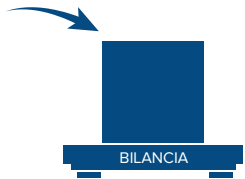
## Operating sequences

<b>USE</b>	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.
<b>APPLICATIONS</b>	Wizards for the operator
<b>ACTIVATION</b>	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.

<b>GROSS</b>		W1
16:00 kg	<b>1.000</b>	
<b>TARE</b>	<b>LOT</b>	
kg		
<b>GENERAL</b>	kg	
N.		
<b>PARTIAL</b>	kg	
N.		
<b>ARTICLE</b>		
<b>CUSTOMER</b>		
→0←      →T←		
M+	M-	PRINT >>

3.

Customer dtb	
0001	WHITE LTD
0002	Empty
0003	Empty
0004	Empty
0005	Empty
0006	Empty
0007	Empty
0008	Empty
Esc    NEW    A...Z    >>	

4.

Article dtb	
0001	Box 20x30 cm
0002	Article A
0003	Box 5x5 cm
0004	Box 40x50 cm
0005	Case 50x50 cm
0006	Bag 44x38 cm
0007	Empty
0008	Empty
Esc    NEW    A...Z    >>	

5.

Text (OPERATOR)												
JOHN												
Esc	'	<	/	J	Clear	BkSp						
1	2	3	4	5	6	7	8	9	0			
Q	W	E	R	T	Y	U	I	O	P			
A	S	D	F	G	H	J	K	L	;			
2 <sup>F</sup>	Z	X	C	V	B	N	M	,	.			
Shift	←									→	OK	

6.

Text (LOT)												
000123												
Esc	'	<	/	J	Clear	BkSp						
1	2	3	4	5	6	7	8	9	0			
Q	W	E	R	T	Y	U	I	O	P			
A	S	D	F	G	H	J	K	L	;			
2 <sup>F</sup>	Z	X	C	V	B	N	M	,	.			
Shift	←									→	OK	

7.

<b>GROSS</b>		W1
16:00 kg	<b>1.000</b>	
<b>TARE</b>	<b>LOT</b>	
kg	0000123	
<b>GENERAL</b>	4 kg	<b>10.000</b>
N.	4 kg	<b>10.000</b>
<b>PARTIAL</b>		
N.		
<b>ARTICLE</b>	Box 40x50 cm	
N.	White LTD	
→0←      →T←		
M+	M-	PRINT >>

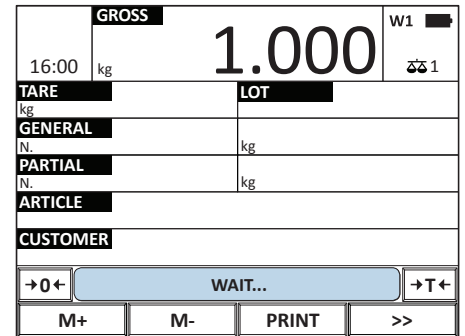
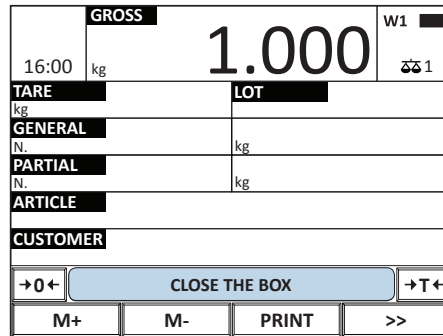
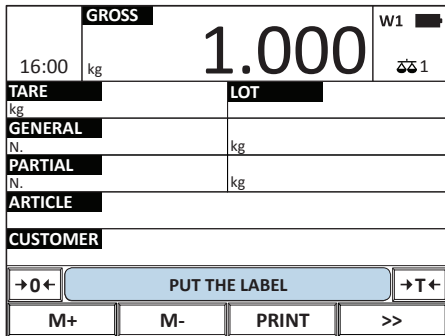
8.

**DINI AR GEO**  
Scales - Weighing systems

BOX 40 x 50  
CUSTOMER: WHITE LTD  
LOT: 20160101  
OPERATOR: JOHN  
GROSS: 10.000 kg  
TARE: 0.000 kg  
NET: 10.000 kg  
01/01/2016 16:00

## Operating messages

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



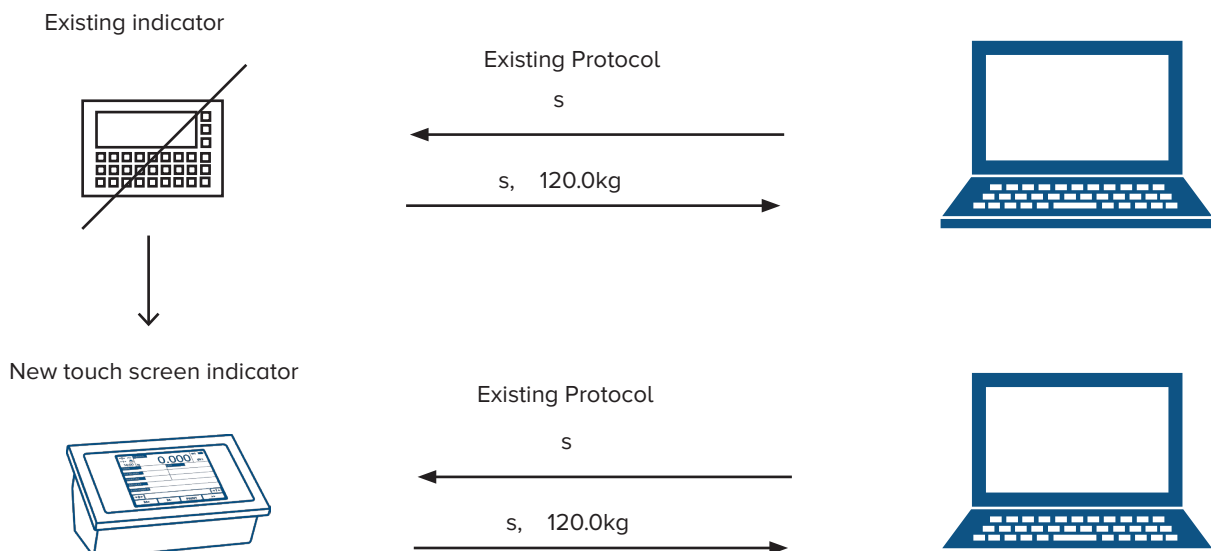
## Application program

<b>USE</b>	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.
<b>ACTIVATION</b>	Application programs can be created by software experts.

## Customising the communication protocol

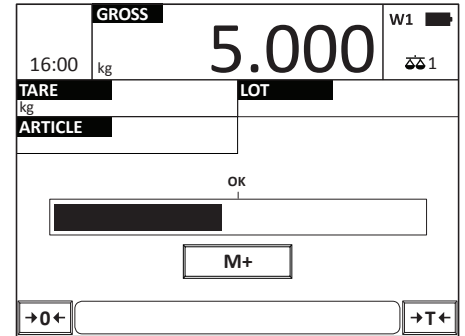
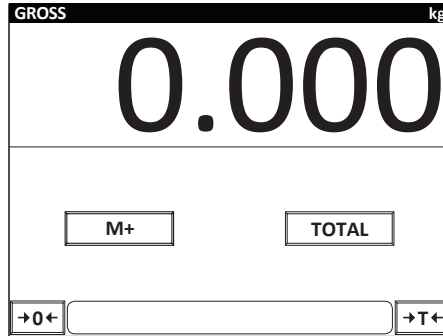
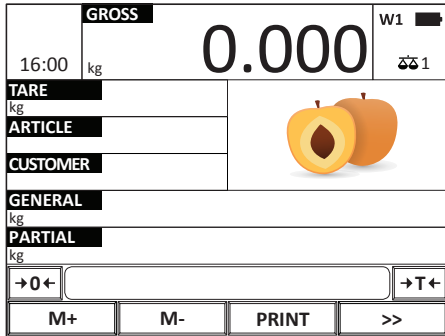
<b>USE</b>	Allows you to interface the weight indicator with existing PC programs without changing the existing communication protocol. This function is essential in modernising installations or replacing discontinued scales, or scales with limited functions of any brand which communicate with PC, PLC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

Example:



## Fully customisable work screens

<b>USE</b>	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.
<b>APPLICATIONS</b>	Useful to simplify any weighing application.
<b>ACTIVATION</b>	It requires advanced configuration.



**i**

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

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

**i**

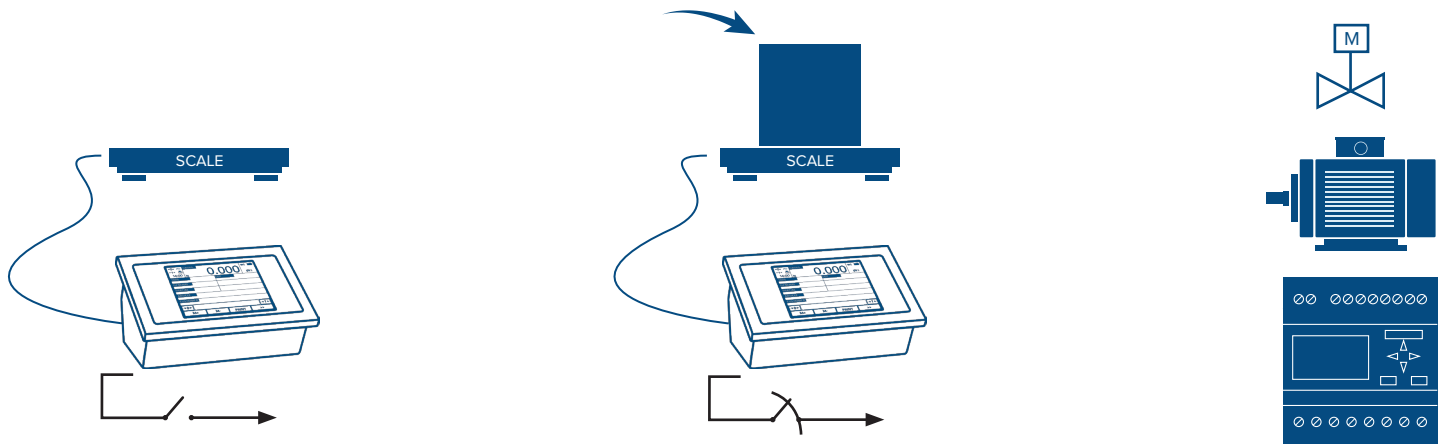
Managed page code:

- Latin 1
- Greek
- Cyrillic
- Vietnamese

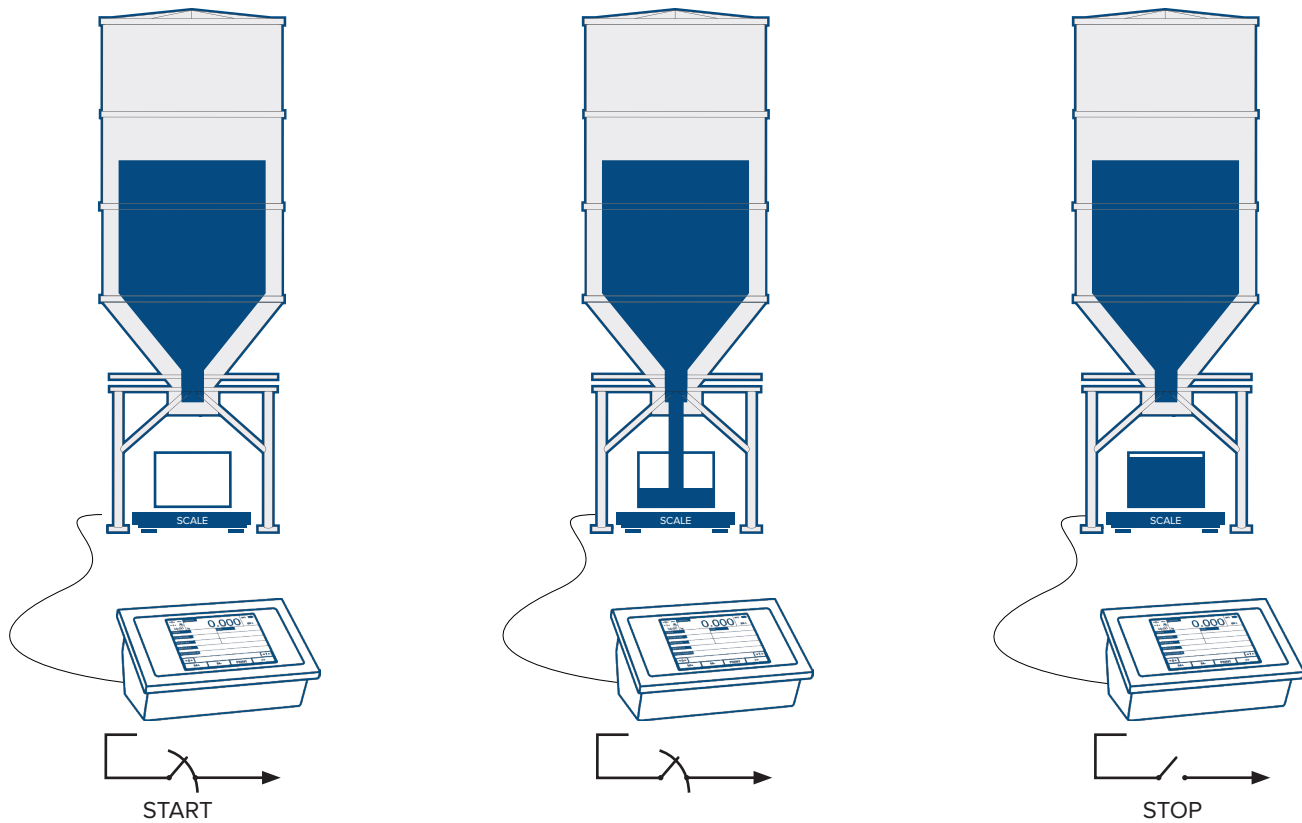
## Setpoint / dosage

<b>USE</b>	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.)
<b>APPLICATIONS</b>	Industrial automation.
<b>ACTIVATION</b>	It requires advanced configuration.

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

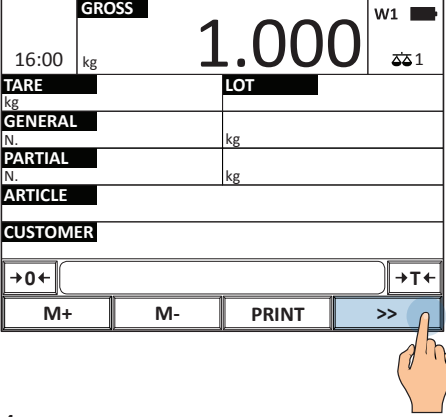
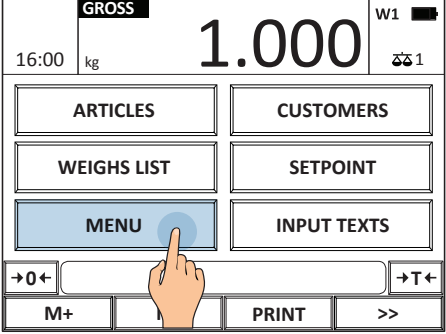
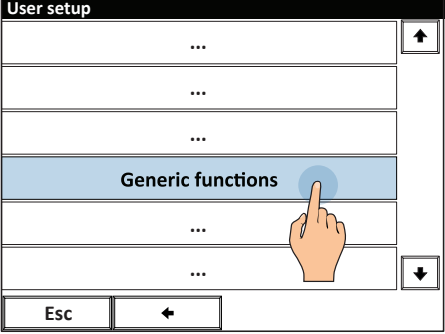
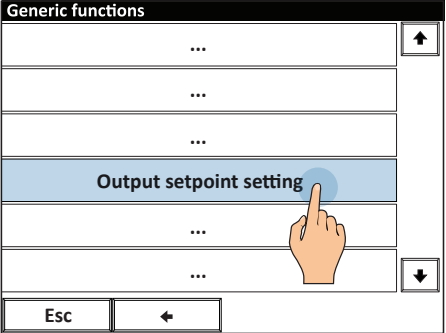
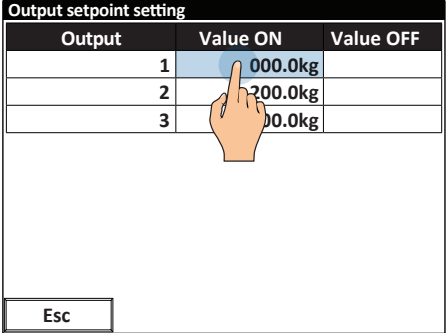


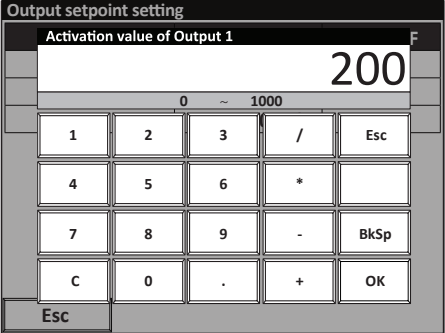
Example of dosing with N.C. setpoint



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

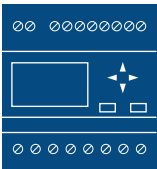
## Set the activation thresholds

- 
- 
- 
- 
- 

Output	Value ON	Value OFF
1	000.0kg	
2	200.0kg	
3	00.0kg	
- 

## Digital inputs

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

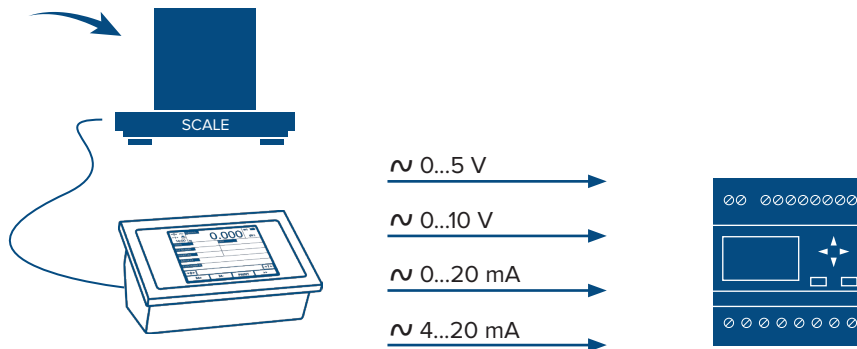


Printing, totalisation, relay activation, etc.



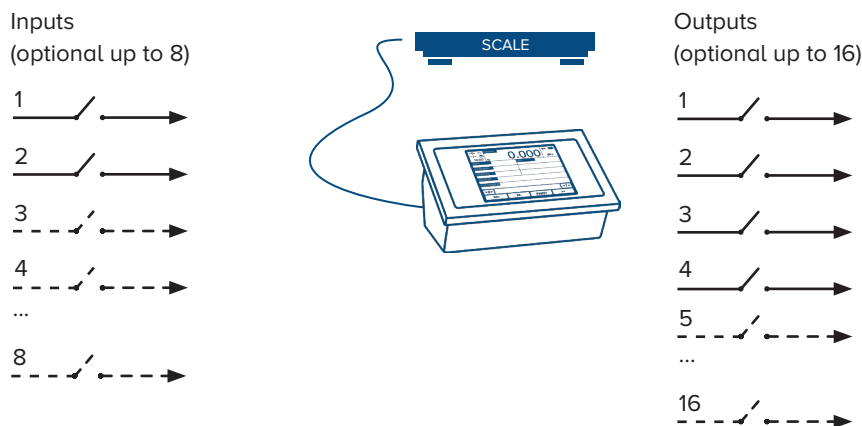
## Optional 4-20mA analogue 0-10V interface

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



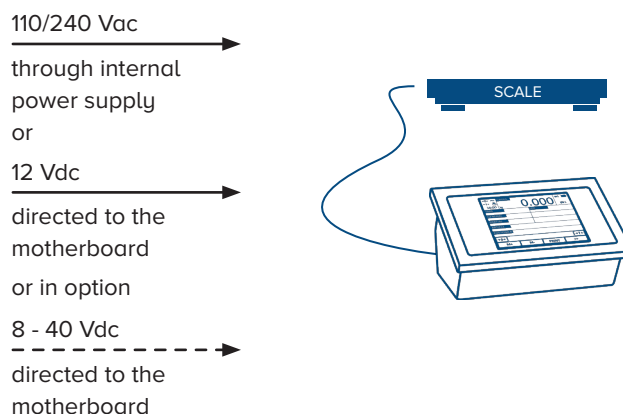
## Expanding inputs and outputs

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



## Expanding power supply range

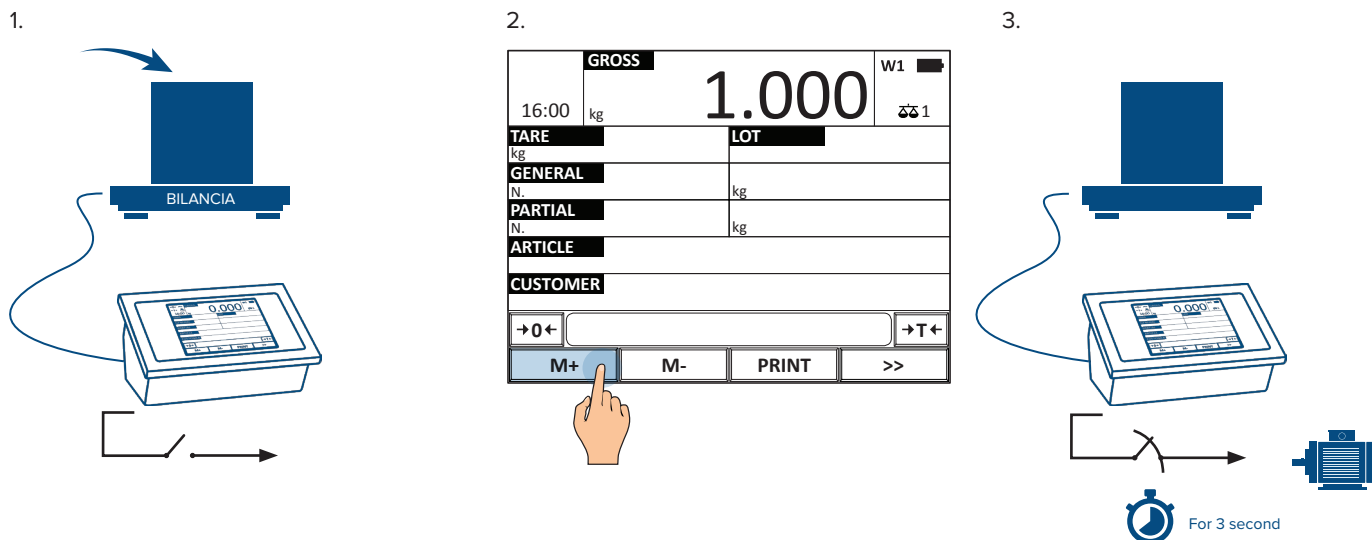
<b>USE</b>	Optional board that allows you to power the scale using different voltages than the standard ones.
<b>APPLICATIONS</b>	Industrial automations.
<b>ACTIVATION</b>	It requires advanced configuration.



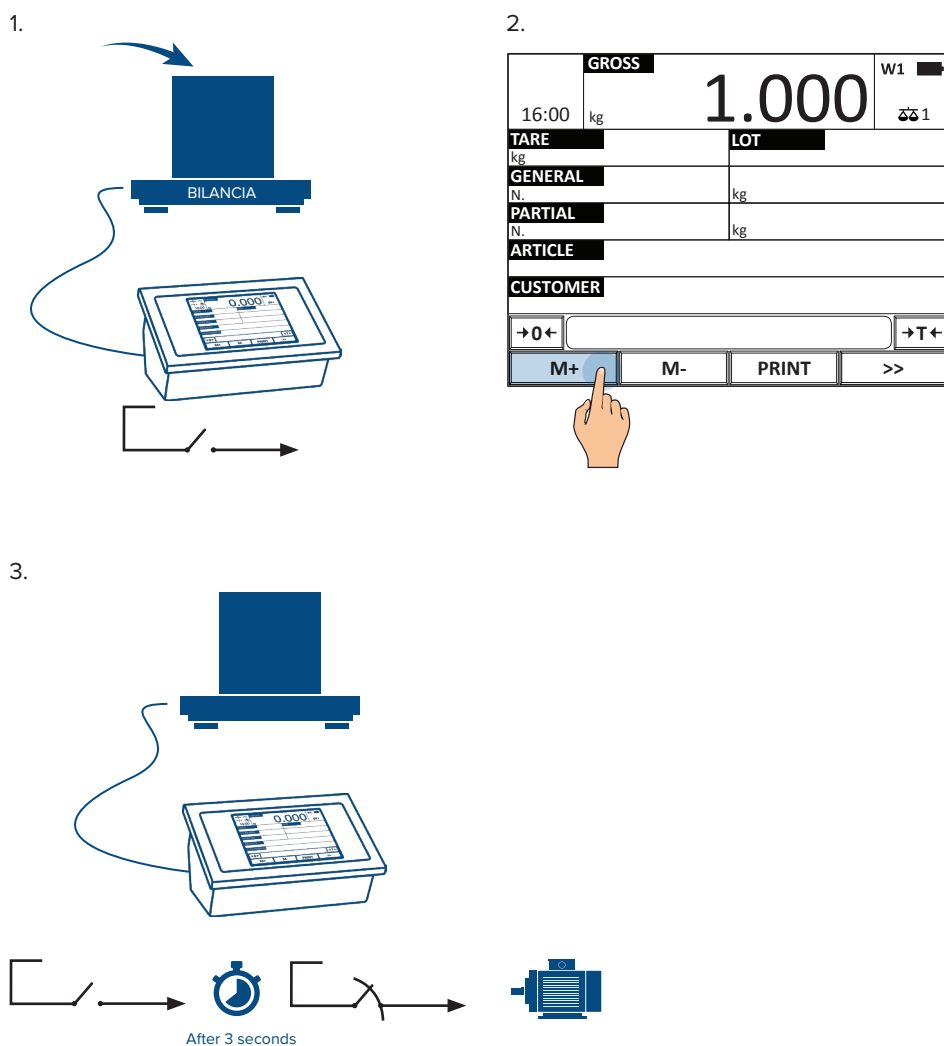
# Timed relays

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

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



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

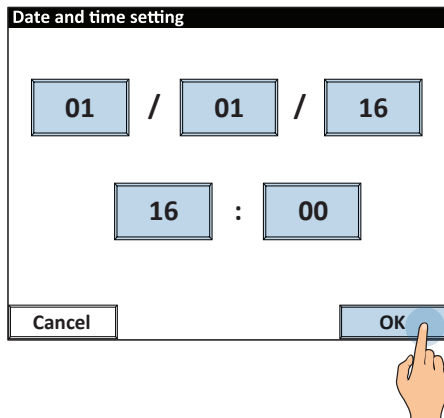
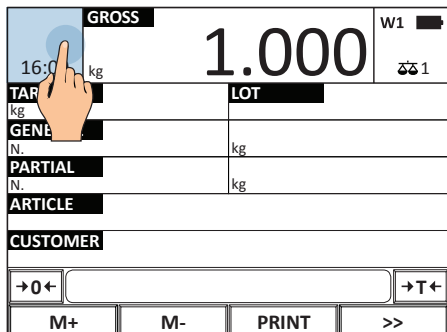


## Adjusting the date and time

### ACTIVATION

Standard active function.

- 1.
2. Set date and time and press OK to confirm

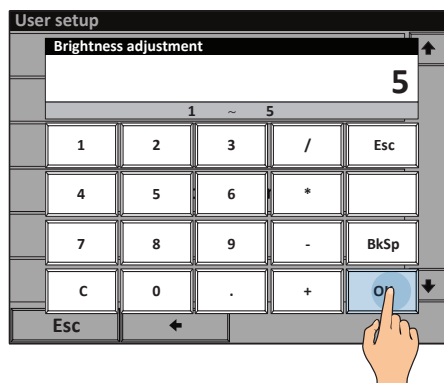
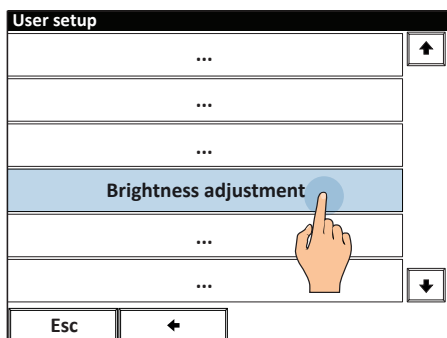
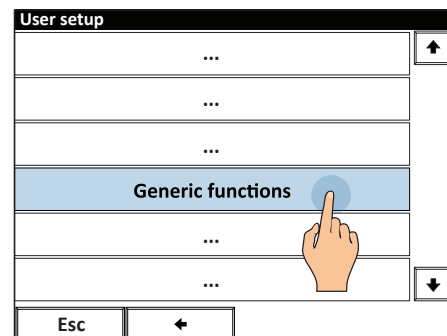
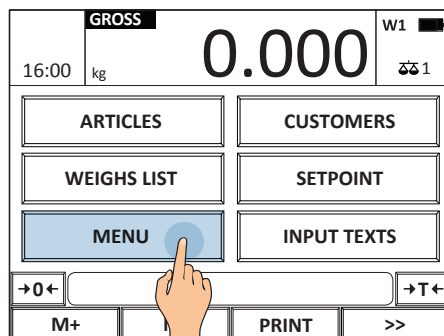
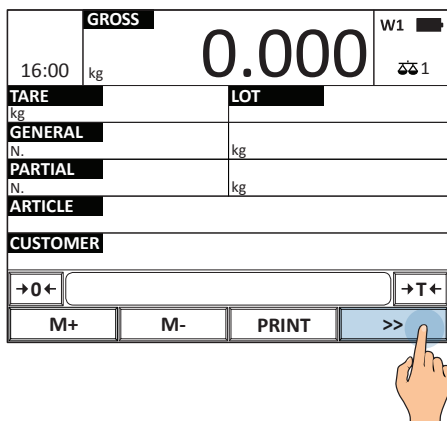


## Adjusting the display brightness

### ACTIVATION

Standard active function.

- 1.
- 2.
- 3.
- 4.
5. Set a brightness value between 1 and 5 and press OK to confirm

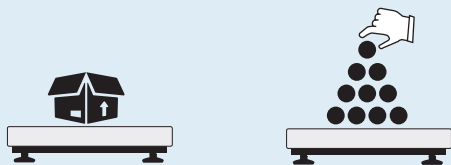


## Weighing speed (weighing filter)

<b>USE</b>	Edits scale reactivity. Useful in optimising weighing to your needs.
<b>APPLICATIONS</b>	General weighing.
<b>ACTIVATION</b>	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



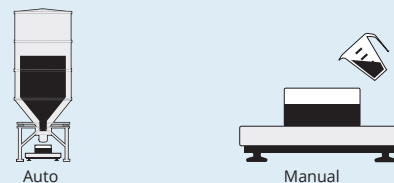
“HR” type filter

### Suspended and oscillating load weighing



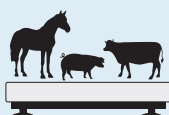
“DYN” type filter

### 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.

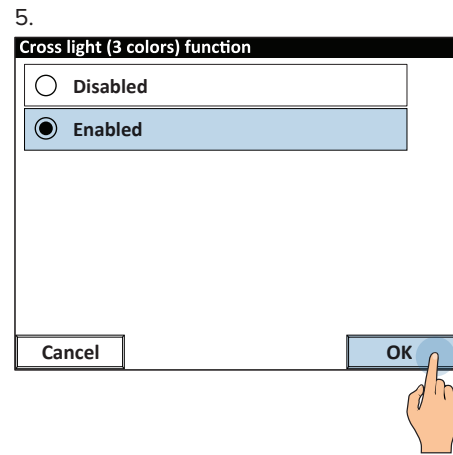
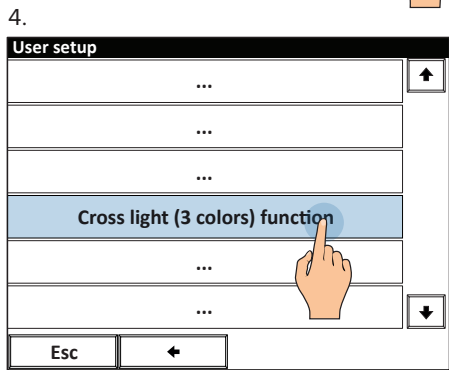
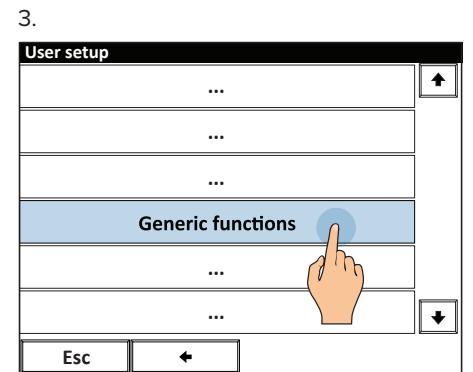
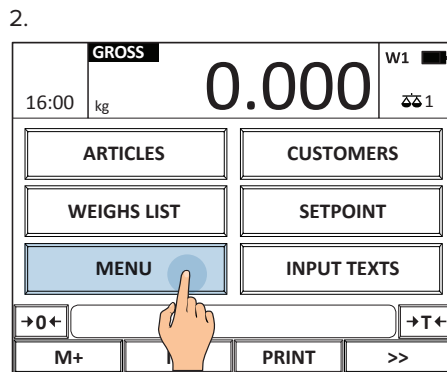
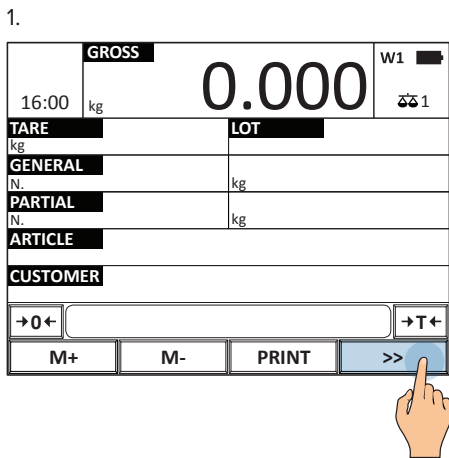
### Liquid weighing, weighbridges and weighing with vibrations



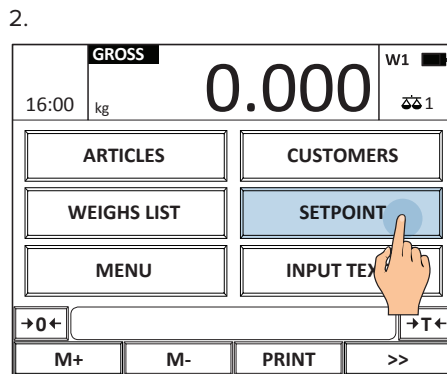
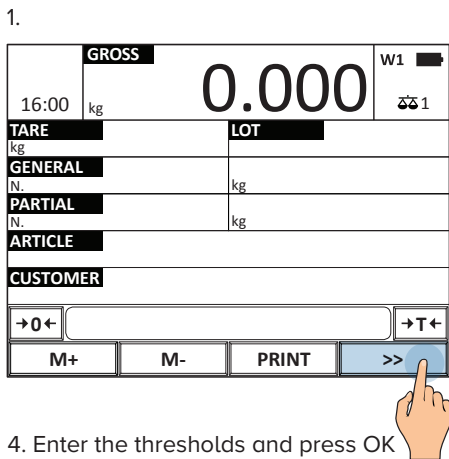
“SLOW” type filter

# Visual weight check in multiple colours

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



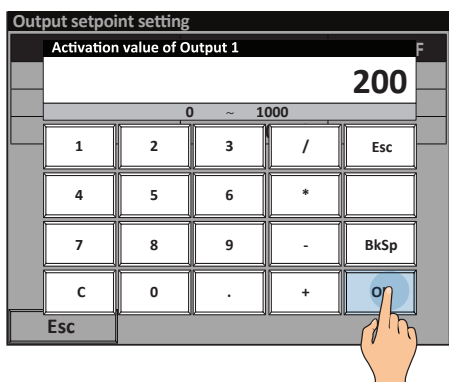
## How to set generic check thresholds



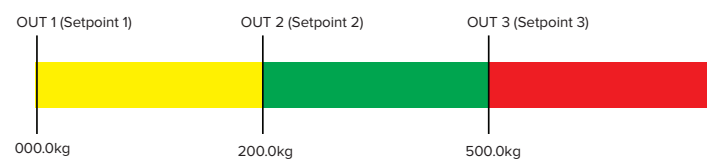
3.

Output	Value ON	Value OFF
1	000.0kg	
2	200.0kg	
3	500.0kg	

4. Enter the thresholds and press OK to confirm



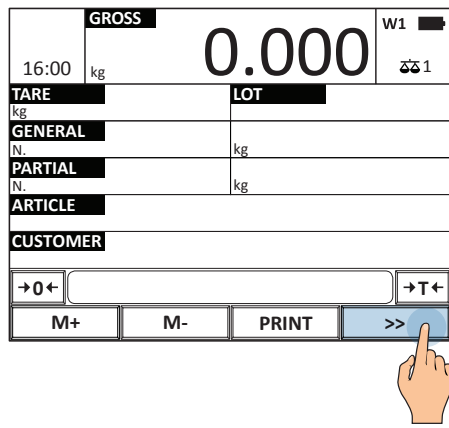
Graphical representation of the example in point 3.



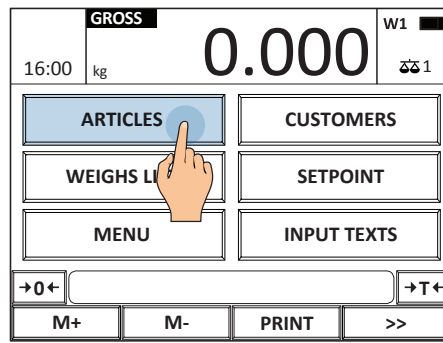
This procedure also enables the three-colour light device, if any.

## How to set different thresholds for each article

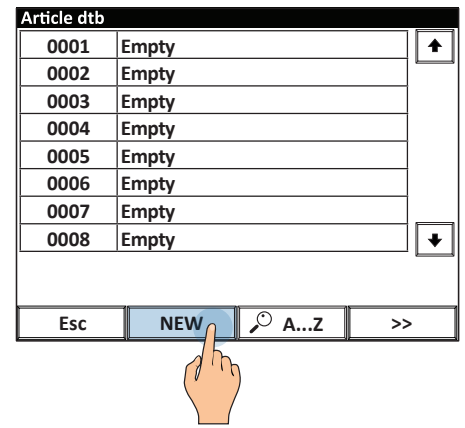
1.



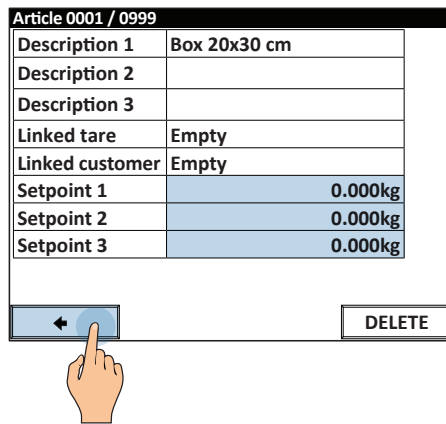
2.



3.



4. Set the desired thresholds



## Calculation of average and standard deviation for statistics

<b>USE</b>	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.
<b>APPLICATIONS</b>	Production checks.
<b>ACTIVATION</b>	It requires advanced configuration.

# Safety

## Backup and restore from PC via “Dinitools” program

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

## Backup and restore from indicator

<b>USE</b>	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.
<b>ACTIVATION</b>	Function reserved for technical staff.

## Password to access the setup menu

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

## Password to access database

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

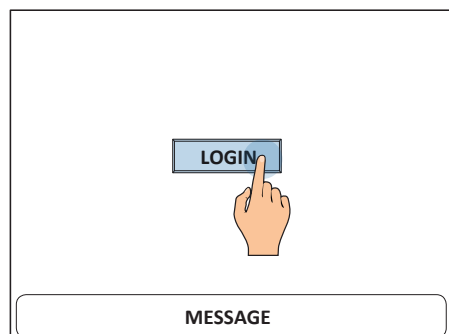
## Password to access function

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

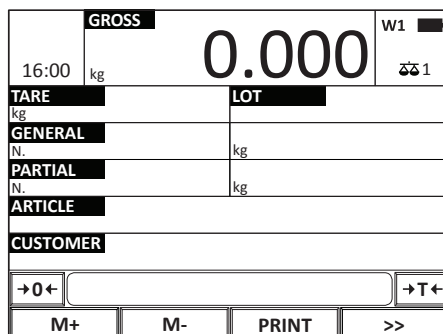
## Log in to use the scale

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

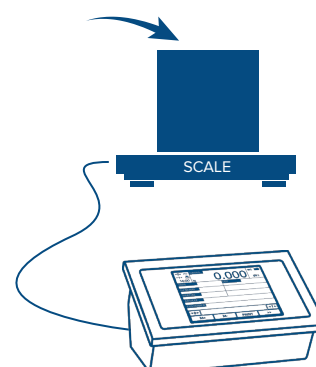
1.



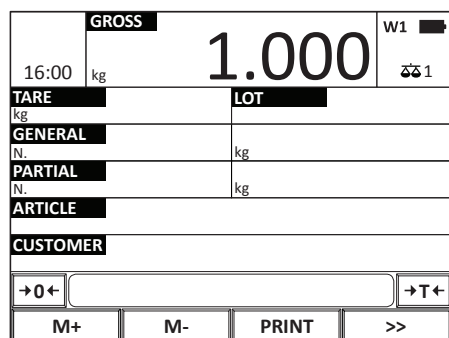
2.



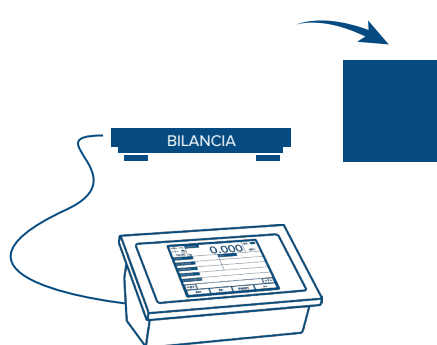
3.



4.



5.



3.



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

## Quick diagnostic menu

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

## Last 10 operations log

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

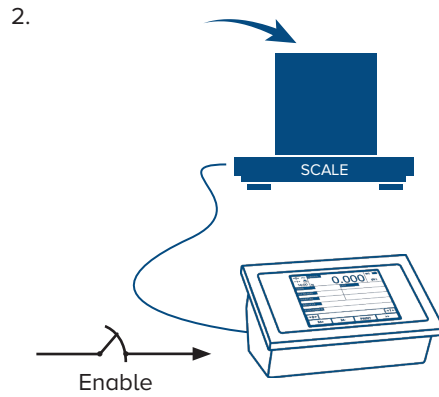


# External weighing enable consent

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

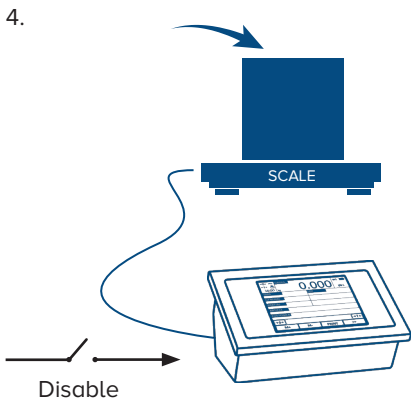
1.

<b>GROSS</b>		W1
16:00	kg	---
<b>TARE</b>	<b>LOT</b>	
kg		
<b>GENERAL</b>		
N.	kg	
<b>PARTIAL</b>		
N.	kg	
<b>ARTICLE</b>		
<b>CUSTOMER</b>		
→0←		→T←
M+	M-	PRINT >>



3.

<b>GROSS</b>		W1
16:00	kg	1.000
<b>TARE</b>	<b>LOT</b>	
kg		
<b>GENERAL</b>		
N.	kg	
<b>PARTIAL</b>		
N.	kg	
<b>ARTICLE</b>		
<b>CUSTOMER</b>		
→0←		→T←
M+	M-	PRINT >>

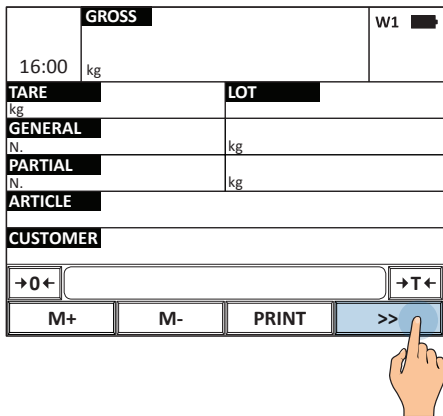


5.

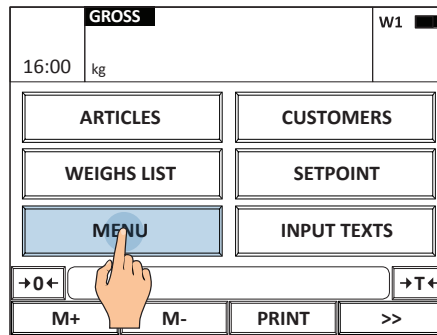
<b>GROSS</b>		W1
16:00	kg	---
<b>TARE</b>	<b>LOT</b>	
kg		
<b>GENERAL</b>		
N.	kg	
<b>PARTIAL</b>		
N.	kg	
<b>ARTICLE</b>		
<b>CUSTOMER</b>		
→0←		→T←
M+	M-	PRINT >>

# Identification of the metrological software

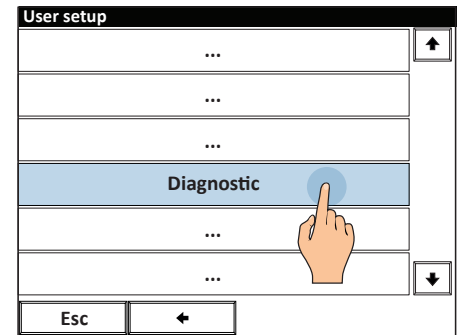
1.



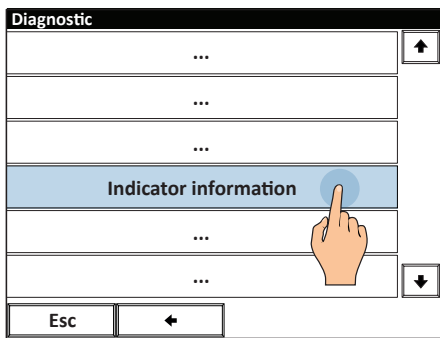
2.



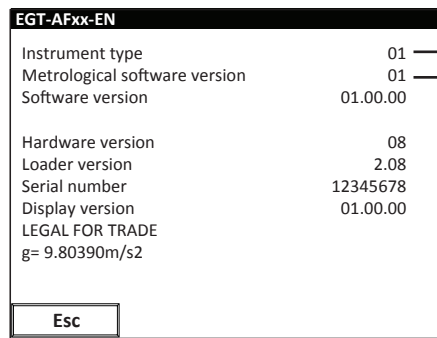
3.



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.

## Messages and errors

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 <b>•0•</b> 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.







Authorised service centre stamp

**HEAD OFFICE**

Via Della Fisica, 20  
41042 Spezzano di Fiorano, Modena - Italy  
Tel. +39.0536 843418 - Fax +390536 843521  
info@diniargeo.com

**SERVICE ASSISTANCE**

Via Dell'Elettronica, 15  
41042 Spezzano di Fiorano, Modena - Italy  
Tel. +39.0536 921784 - Fax +390536 926654  
service@diniargeo.com