



AF09GT

Program for axle weighing systems

USER MANUAL - v7

ENGLISH



For 3590 series touch screen indicators

FUNCTIONS INDEX

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Introduction

Dear Customer,

Thank you for choosing a DINI ARGEO weight indicator screen.

This manual is to describe operation of the weight indicator program known as AF09, which is specifically designed for dynamic and static axle weighing, in its standard default configuration.

The program includes all the latest axle weighing management functions, both with in static and manual and automatic/dynamic mode, with special focus on being user friendly and integrating data with the company's computer system.

It is also possible to configure and customise the program entirely, thus creating tailor-made solutions.

For any additional information or specific request, do not hesitate to contact your trusted retailer.

Basic information

Definition of the axle-weighing system

An axle-weighing system can consist of one or two platforms (respectively one RWS or 2 WWS) and is used to weigh the whole vehicle by adding together the various axles.

Benefits

An axle-weighing system provides the following benefits:

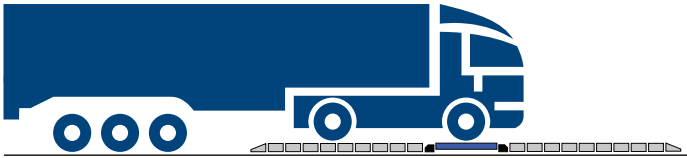
- overload control on the axle;
- easy to install and use;
- display and print-out of the axle weight and total weight.

Manual static axle weighing

Each axle is acquired when the dedicated button is pressed.
System that can be made with both wireless and wired platforms.

1. Climb onto the platform and stop there.

2. Acquire the weight



To achieve the best weighing accuracy, while acquiring the weigh, release the parking brake and turn off the engine.
If the vehicle has self-levelling suspensions, disable them or use levelling modules.
Place the wheels at the centre of the signalling strips on the loading platform.

Automatic static axle weighing

Each axle is acquired at the weight stability on the platforms.
System that can be made with both wireless and wired platforms.

1. Climb onto the platform and stop there.



2. The weight acquisition takes place automatically.

- Automatic dynamic axle weighing

Each axle is automatically acquired as the vehicle passes over the platforms.
System that can only be made with wired platforms.

1. Drive on the platform at low speed (max 5km/h).

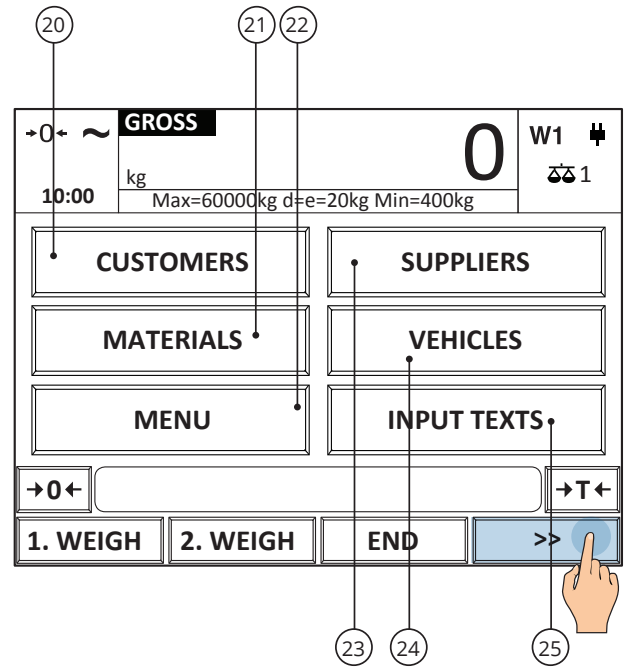
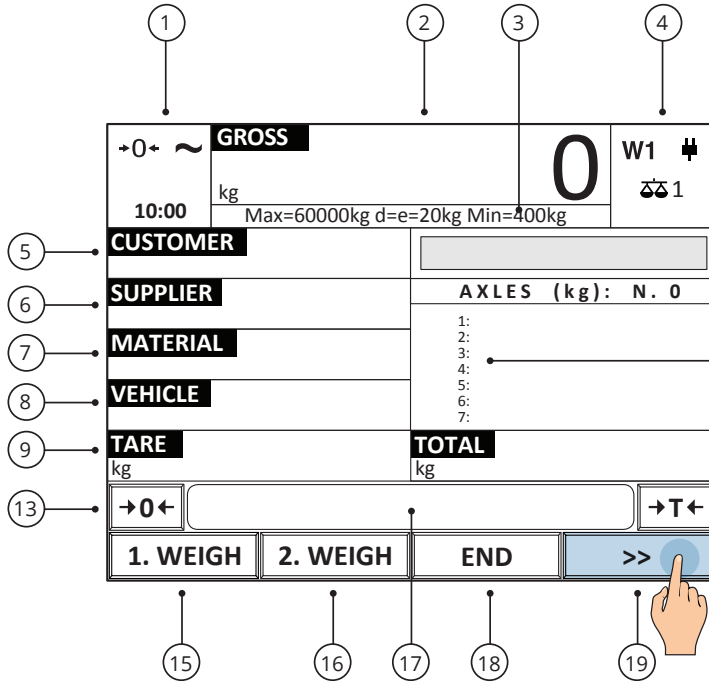


2. The weight acquisition takes place dynamically and automatically.



Drive at the lowest possible speed and ensure this is constant (max 5 mph). Do not brake during the weight acquisition. Throughout the weighing cycle, we recommend ensuring all the axles of the vehicle are at the same level, by using levelling modules or pit frames to achieve the optimal weighing performance. The minimum length of the flat surface recommended must at least be twice that of the longest vehicle to weigh (See **“WWS platforms user manual”** or **“RWSCP platforms user manual”**).

Display - Main screens



Button	Function
(1)	Setting date and time.
(2)	Net / gross weight display / zoom.
(3)	Electronic metric label. The metric label is not shown in the screens illustrated in the subsequent pages for further simplicity.
(4)	Displayed scale change.
(5)	Customer selection.
(6)	Supplier selection.
(7)	Material selection.
(8)	Vehicle selection.
(9)	Tare value/setting manual tare (PT).
(10)	Time left to close weighing cycle.
(11)	Weight of axles acquired during cycle in progress.
(12)	Total weight of vehicle in last weighing cycle carried out since start of tool.
(13)	Zero scale.
(14)	Semi-automatic tare.
(15)	Start weighing cycle 1st WEIGH.
(16)	Start weighing cycle 2nd WEIGH.
(17)	Messages for user.
(18)	Manual closing of weighing cycle.
(19)	Screen change.
(20)	Filling in / editing customer database.

(21)	Filling in / editing material database.
(22)	Additional function menu.
(23)	Filling in / editing supplier database.
(24)	Filling in / editing vehicle database.
(25)	Filling in / editing free texts.

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

Automatic dynamic axle weighing

USE

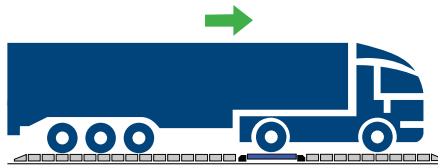
Allows you to weigh each axle while driving the vehicle at low speed.

1. Press the key "1. WEIGH"

GROSS		0	W1 #
10:00	kg		1
CUSTOMER			
SUPPLIER	AXLES (kg): N. 0		
MATERIAL	1: 2: 3: 4: 5: 6: 7:		
VEHICLE			
TARE	0	TOTAL	0
kg		kg	
→0←		→T←	
1. WEIGH	2. WEIGH	END	>>



2. Drive on platforms at low speed (max. 5km/h).



3. When all the axles have been weighed, press "END" or wait for the automatic timed end.

GROSS		0	W1 #
10:00	kg		1
CUSTOMER			
SUPPLIER	AXLES (kg): N 5 0		
MATERIAL	1: 6000 2: 4880 3: 6180 4: 8720 5: 4220 6: 7:		
VEHICLE			
TARE	0	TOTAL	30000
kg		kg	
→0←		→T←	
1. WEIGH	2. WEIGH	END	>>



4.

 Scales - Weighing systems	
CUSTOMER	
SUPPLIER	
MATERIAL	
VEHICLE	
05/04/2017 10:00	
AXLE 1	6000kg
AXLE 2	4880kg
AXLE 3	6180kg
AXLE 4	8720kg
AXLE 5	4220kg

TOTAL	30000kg

ID	3

1.WEIGH	30000kg

i

More time has elapsed than that set for the weigh between one axle and another. The cycle will be ended automatically

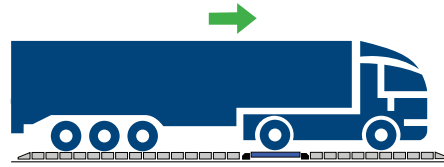
Automatic static axle weighing

USE	Allows you to weigh each axle automatically, stopping each axle on the weighing platform.
ACTIVATION	Requires advanced configuration.

1. Press the key "1. WEIGH"

GROSS		0	W1 #
10:00	kg		1
CUSTOMER			
SUPPLIER	AXLES (kg): N. 0		
MATERIAL	1: 2: 3: 4: 5: 6: 7:		
VEHICLE			
TARE	0	TOTAL	0
kg		kg	
→0←			→T←
1. WEIGH	2. WEIGH	END	>>

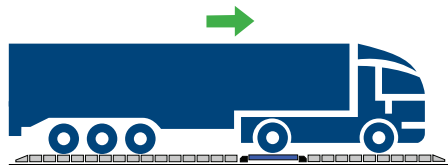
2. The vehicle goes on with the first axle on the platform and **stops**; the acquisition is automatic.



3.

GROSS		6000	W1 #
10:00	kg		1
CUSTOMER			
SUPPLIER	AXLES (kg): N. 1 0		
MATERIAL	1: 6000		
VEHICLE	2: 3: 4: 5: 6: 7:		
TARE	0	TOTAL	6000
kg		kg	
→0←	AXLE 1: 6000kg		→T←
1. WEIGH	2. WEIGH	END	>>

4. Proceed with weighing on the following axles. Each axle stops on the weighing platform.



5. Press "END" or wait for the automatic timed end.

GROSS		0	W1 #
10:00	kg		1
CUSTOMER			
SUPPLIER	AXLES (kg): N. 05		
MATERIAL	1: 6000		
VEHICLE	2: 4880		
	3: 6180		
	4: 8720		
	5: 4220		
	6: 7:		
TARE	0	TOTAL	30000
kg		kg	
→0←	1. WEIGH: WAIT AXLE 6		→T←
1. WEIGH	2. WEIGH	END	>>

6. The receipt includes although weigh data.

DINI ARGED
Scales - Weighing systems

CUSTOMER
SUPPLIER
MATERIAL
VEHICLE

05/04/2017 10:00

AXLE 1 6000kg
AXLE 2 4880kg
AXLE 3 6180kg
AXLE 4 8720kg
AXLE 5 4220kg

TOTAL 30000kg

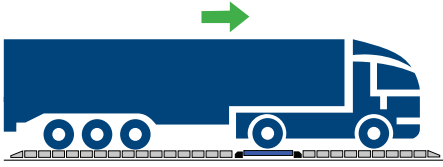
ID 3

1.WEIGH 30000kg

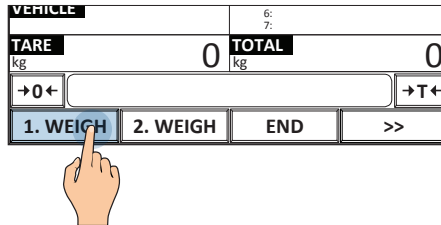
Manual axle weighing

USE	Allows you to weigh the vehicle manually, stopping each axle on the weighing platform and pressing the specific key.
ACTIVATION	Requires advanced configuration.

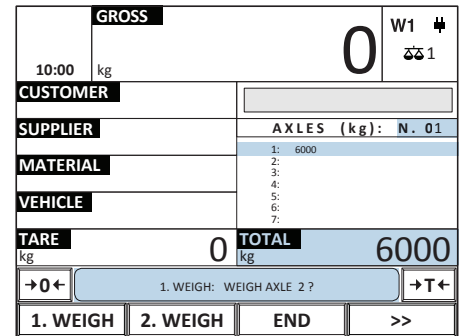
1. The vehicle positions itself with the first axle on the platform and stops.



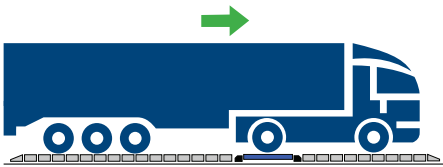
2. Press the "1.WEIGH" key.



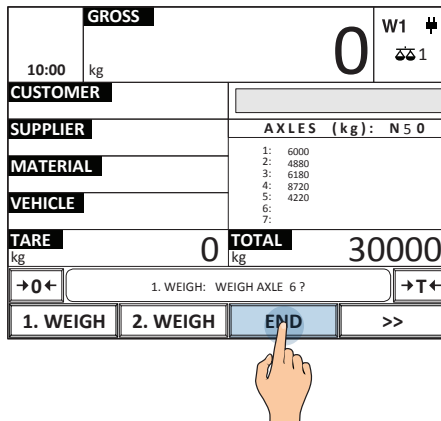
3. The required axle is viewed on the display.



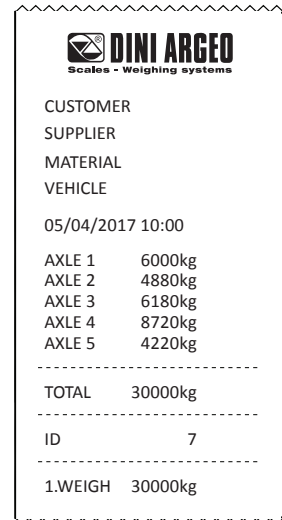
4. Repeat the operations in points 1 and 2 to acquire all the axles of the vehicle.



5. Press "END".



6.



Axle acquisition error

10:00	GROSS	0	W1 #
	kg		001
CUSTOMER			
SUPPLIER	AXLES (kg): N 8 0		
MATERIAL	1: 16880		
	2: 17440		
	3: 17440		
	4: 7340		
VEHICLE	5: 30380		
	6: -ERROR-		
	7:		
TARE	0	TOTAL	89480
kg		kg	
+0←	AXLE ACQUISITION ERROR		→T←
1. WEIGH	2. WEIGH	END	>>

If the scale is not able to acquire the weight of the axle, in the automatic dynamic or static axle weighing mode, an error message appears in the message bar.

The causes are the following:

- speed higher than 5km/h
- weight unstable.

i

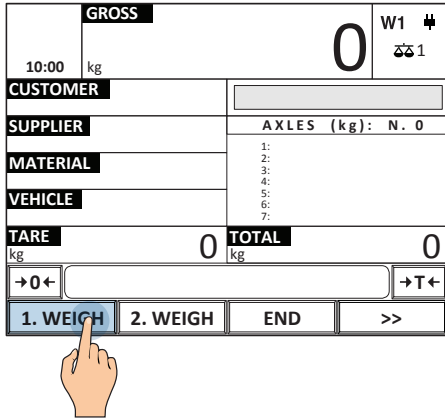
After an error has been signalled, the indicator waits for the weight to drop below a minimum set value to be able to end weighing.
The totals are not increased.

Multiple weighing with vehicle identification by automatic ID code

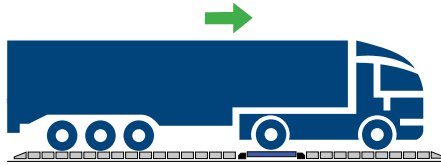
USE	Lets you weigh the material transported by the vehicle by difference between first and second weighing. The first weighing is identified by automatic numeric ID.
ACTIVATION	Standard active function.

Registration procedure of the first weighing

1. Press the "1.WEIGH" key.

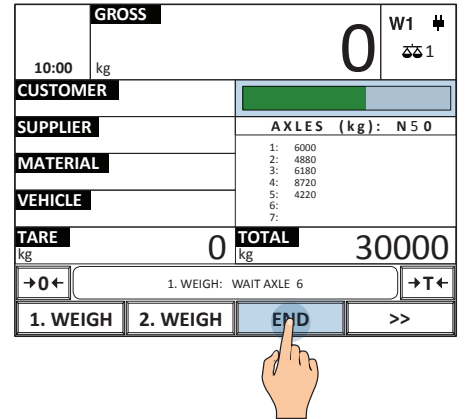


2. Perform weighing of the axles (based on the chosen operating mode).

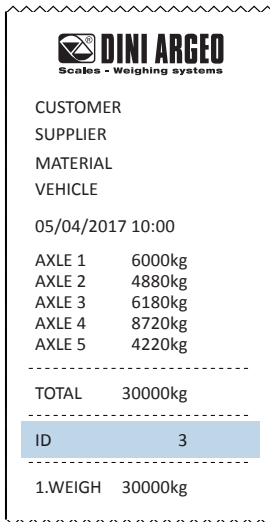


Dynamic axle weighing:
see page A-1
Automatic static axle weighing:
see page A-2
Manual static axle weighing:
see page A-3

3. Press "END" or wait for the automatic timed end.



4. Printing is automatic and carries the unique weighing string (ID).




i It is possible to choose whether to assign a progressive identification code to the first weigh (with automatic reset after 999 weighs), or the first identification code available in memory (in this case the identification code is released once the second weigh is carried out).

Registration procedure of the second weighing


1. Press the "2.WEIGH" key.

GROSS		0	W1 #
10:00	kg		1
CUSTOMER			
SUPPLIER	AXLES (kg): N. 0		
MATERIAL	1: 2: 3: 4: 5: 6: 7:		
VEHICLE			
TARE	0	TOTAL	0
kg		kg	
→0←			→T←
1. WEIGH	2. WEIGH	END	>>

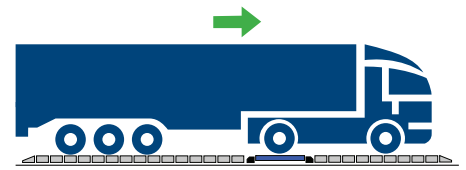


2. Select "first weigh" (based on the ID indicated on the first weigh receipt).

Select first weigh			
ID= 1	1.WEIGH=	50000 kg	25/01 08:50
ID= 2	1.WEIGH=	48000 kg	25/01 09:00
ID= 3	1.WEIGH=	30000 kg	25/01 10:00
...			
...			
...			
Esc		ID	



3. Perform weighing of the axles (based on the chosen operating mode).



Dynamic axle weighing:

see page A-1

Automatic static axle weighing:

see page A-2

Manual static axle weighing:

see page A-3

4. The displayed views a summary of the weigh and the calculated net weight for a few instants.

GROSS		0	W1 #
10:00	kg		1
CUSTOMER			
SUPPLIER	AXLES (kg): N 5 0		
MATERIAL	1: 6100 2: 5200 3: 10000 4: 11450 5: 9850 6: 7:		
VEHICLE			
TARE	0	TOTAL	42600
kg		kg	
→0←	GROSS = 42600kg NET = 12600kg		→T←
1. WEIGH	2. WEIGH	END	>>

5. Printing is automatic and shows all the weigh data.

DINI AR GEO Scales - Weighing systems	
CUSTOMER	
SUPPLIER	
MATERIAL	
VEHICLE	
05/04/2017 10:00	
AXLE 1	6000kg
AXLE 2	5200kg
AXLE 3	10000kg
AXLE 4	11450kg
AXLE 5	9850kg

TOTAL	42600kg

ID	3

1.WEIGH	30000kg
2.WEIGH	42600kg

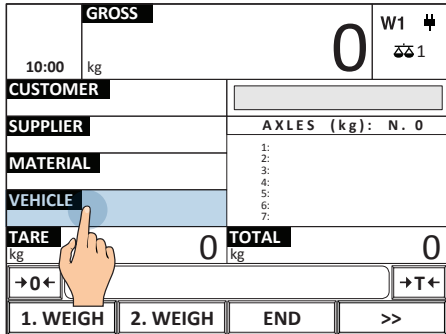
NET	12600kg

Multiple weighing with vehicle identification by numberplate

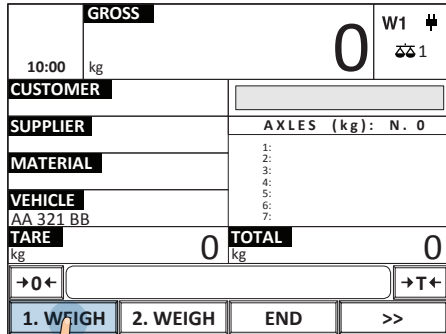
USE	Lets you weigh the material transported by the vehicle by difference between first and second weighing. The first weigh is identified by the vehicle's numberplate.
ACTIVATION	Requires advanced configuration.

i This function requires filling in the vehicle database. (See page C-7).

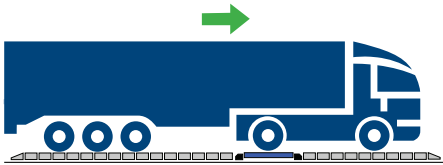
Registration procedure of the first weighing

- 
- Select a vehicle

Select Vehicle	
0000	Temporary
0001	AA 321 BB
0002	B 456 CD
0003	pty
0004	pty
0005	Empty
0006	Empty
0007	Empty

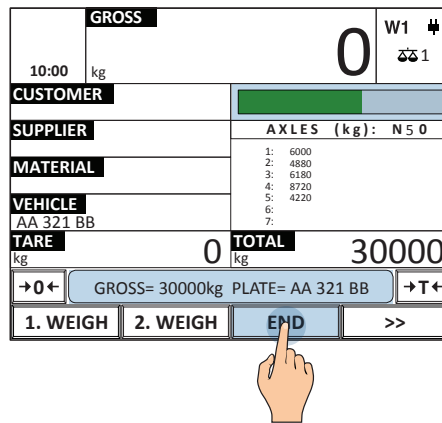
Selected Vehicle: 0001
- 

4. Perform weighing of the axles (based on the chosen operating mode).



- Dynamic axle weighing: see page A-1
- Automatic static axle weighing: see page A-2
- Manual static axle weighing: see page A-3

5. Press "END" or wait for the automatic timed end.



6. Printing is automatic and shows the numberplate.

DINI ARGED
Scales - Weighing systems

CUSTOMER
SUPPLIER
MATERIAL
VEHICLE

05/04/2017 10:00

AXLE 1	6000kg
AXLE 2	4880kg
AXLE 3	6180kg
AXLE 4	8720kg
AXLE 5	4220kg

TOTAL 30000kg

PLATE AA 321 BB

1.WEIGH 30000kg

i The vehicle is unselected automatically when the weigh is over.

Registration procedure of the second weighing

1.

GROSS		0	W1 #
10:00	kg		1
CUSTOMER			
SUPPLIER		AXLES (kg): N. 0	
MATERIAL		1:	
VEHICLE		2:	
AA 321 BB		3:	
TARE		4:	
kg		5:	
0		6:	
TOTAL		7:	
kg		0	
→0←		→T←	
1. WEIGH	2. WEIGH	END	>>



4. Press “END” or wait for the automatic timed end.

GROSS		0	W1 #
10:00	kg		1
CUSTOMER			
SUPPLIER		AXLES (kg): N 5 0	
MATERIAL		1: 6100	
VEHICLE		2: 5200	
AA 321 BB		3: 10000	
TARE		4: 11450	
kg		5: 9850	
0		6:	
TOTAL		7:	
kg		30000	
→0←		→T←	
GROSS = 42600kg		NET = 30000kg	
1. WEIGH	2. WEIGH	END	>>

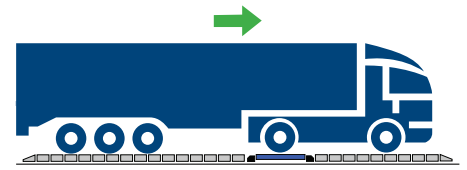


2. Select the “first weigh” based on numberplate.

Select first weigh			
PLATE=	BG 178 BC		↑
1.WEIGH=	50000 kg	25/01 08:50	
PLATE=	ED 345 FS		
1.WEIGH=	48000 kg	25/01 09:00	
PLATE=	AA 321 BB		
1.WEIGH=	30000 kg	25/01 10:00	
	...		
	...		
	...		
Esc		A..Z	



3. Perform weighing of the axles (based on the chosen operating mode).



Dynamic axle weighing:
see page A-1
Automatic static axle weighing:
see page A-2
Manual static axle weighing:
see page A-3

5. Printing is automatic and shows the numberplate.

DINI AR GEO Scales - Weighing systems	
CUSTOMER	
SUPPLIER	
MATERIAL	
VEHICLE	
05/04/2017 10:00	
AXLE 1	6000kg
AXLE 2	5200kg
AXLE 3	10000kg
AXLE 4	11450kg
AXLE 5	9850kg

TOTAL	42600kg

PLATE	AA 321 BB

1.WEIGH	30000kg
2.WEIGH	42600kg

NET	12600kg

i

The vehicle is unselected automatically when the weigh is over.

Manual entry of the first weigh

USE	Lets you manually enter the value of the first weigh.
ACTIVATION	Standard active function.

1.

GROSS		0	W1 #
10:00	kg		1
CUSTOMER			
SUPPLIER	AXLES (kg): N. 0		
MATERIAL	1: 2: 3: 4: 5: 6: 7:		
VEHICLE			
TARE	0	TOTAL	0
kg		kg	
→0←			→T←
1. WEIGH	2. WEIGH	END	>>

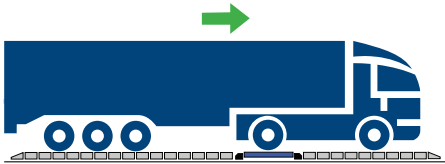
2. Enter the tare (weight of empty vehicle).

GROSS		W1 #
Preset tare		1
10000		
10	0 ~ 999999	
CUS		
SUP	1	2
MA	3	/
VEH	4	5
TAR	6	*
kg	7	8
	9	-
		BkSp
→0←	C	0
	.	+
		K
1. WEIGH	2. WEIGH	END

3.

GROSS		0	W1 #
10:00	kg		1
CUSTOMER			
SUPPLIER	AXLES (kg): N. 0		
MATERIAL	1: 2: 3: 4: 5: 6: 7:		
VEHICLE			
TARE	10000	TOTAL	0
kg		kg	
→0←			→T←
	2. WEIGH	END	>>

4. Perform weighing of the axles (based on the chosen operating mode)



- Dynamic axle weighing: see page A-1
- Automatic static axle weighing: see page A-2
- Manual static axle weighing: see page A-3

5. Printing is automatic and shows the numberplate.

```

-----
NUMBERPLATE
-----
CUSTOMER
SUPPLIER
MATERIAL
VEHICLE

05/04/2017 10:00
AXLE 1    6000kg
AXLE 2    6000kg
-----
TOTAL    12000kg

1. WEIGH* 200kg
2. NUM.   12000kg
-----
NET*     11800kg

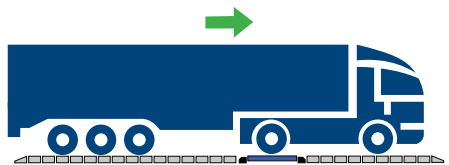
PRE-SET WEIGH*
    
```


Second weighing by reading the barcode

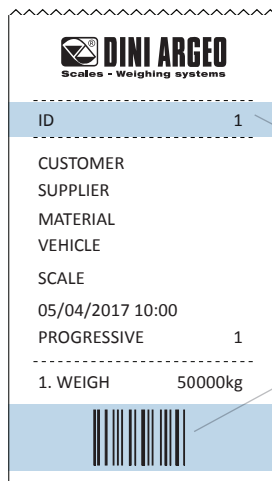
USE	Speeds up retrieval of the first weighing by reading a barcode.
ACTIVATION	Activation requires advanced configuration.

Registration procedure of the first weighing:

1. Perform weighing of the axles (based on the chosen operating mode)



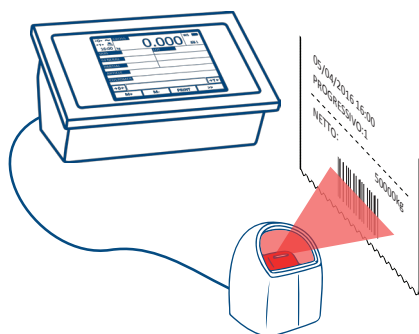
2.



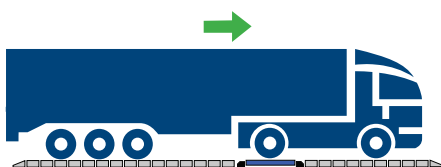
The ID is also printed in the form of barcode.

Registration procedure of the second weighing:

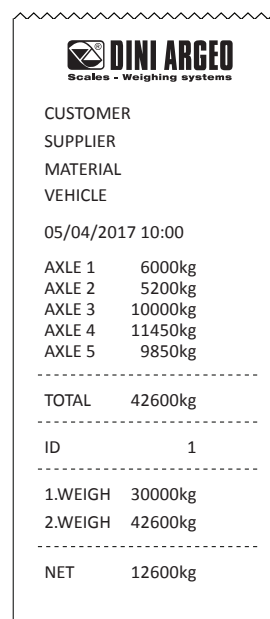
1. Scan the receipt



2. Perform weighing of the axles (based on the chosen operating mode)



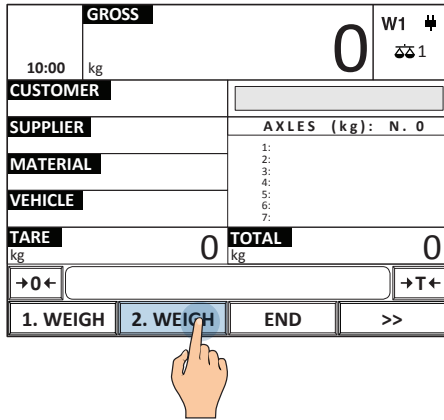
3.



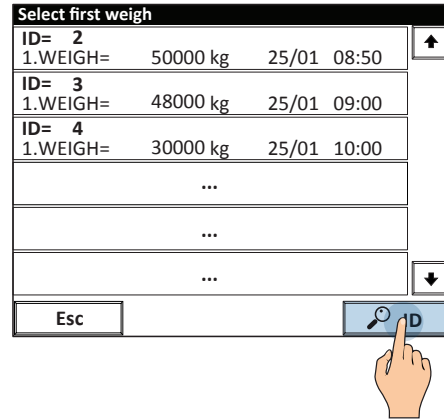
Reissue of closed weigh via ID

USE	Allows you to repeat a second weigh already closed.
ACTIVATION	Active as per standard.

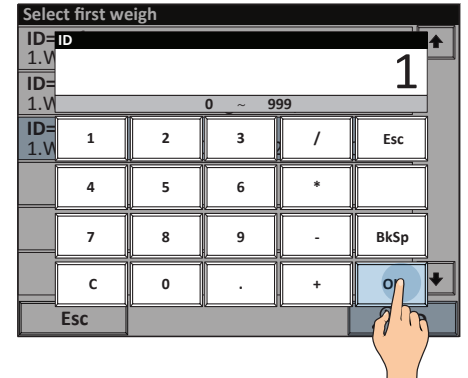
1. Press the key "2. WEIGH".



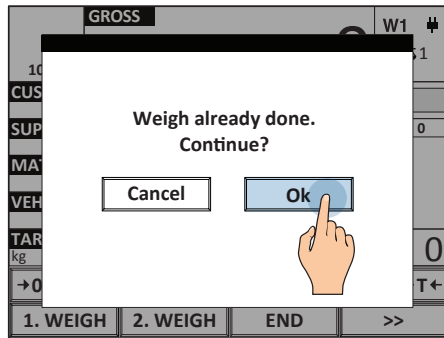
2.



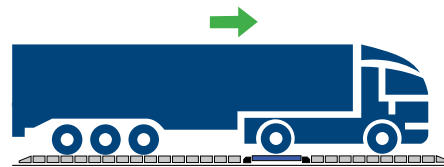
3. Type the ID of the weighing to be reissued.



4. Press OK



5. Perform weighing of the axles (based on the chosen operating mode)



Dynamic axle weighing:

see page A-1

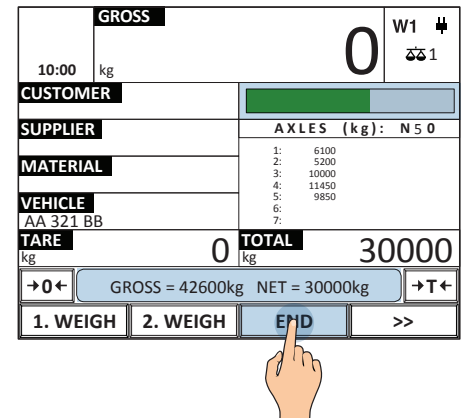
Automatic static axle weighing:

see page A-2

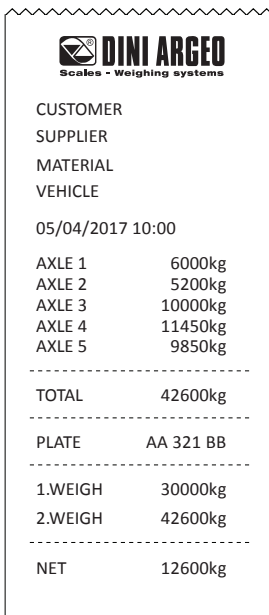
Manual static axle weighing:

see page A-3

6. Press "END" or wait for the automatic timed end.



7. Printing is automatic and shows the numberplate.

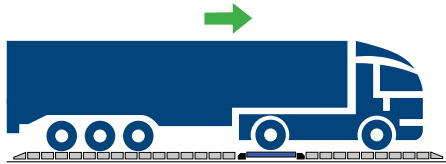


Single weighing while waiting for vehicle

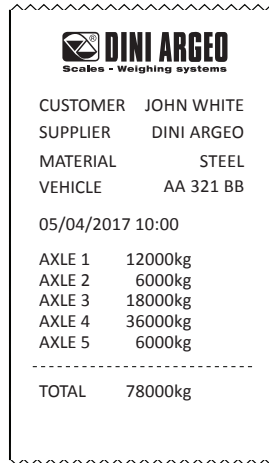
Single weighing while waiting for vehicle continues:

USE	Allows the indicator to keep waiting for the vehicle to weigh.
APPLICATIONS	Automation of weighing system without operator.
ACTIVATION	Activation requires advanced configuration.

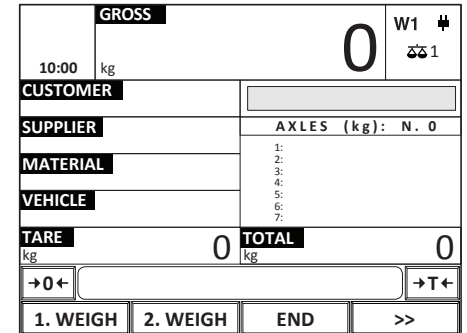
1. Weigh the axles of the entire vehicle.



2.



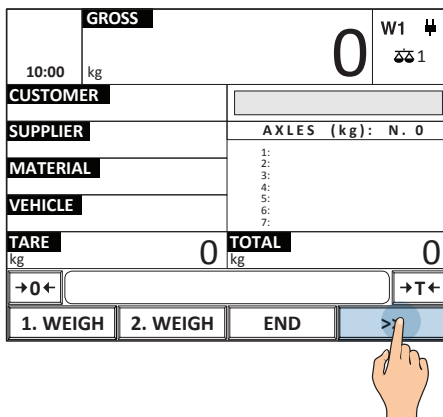
3. The indicator is waiting for the next vehicle.



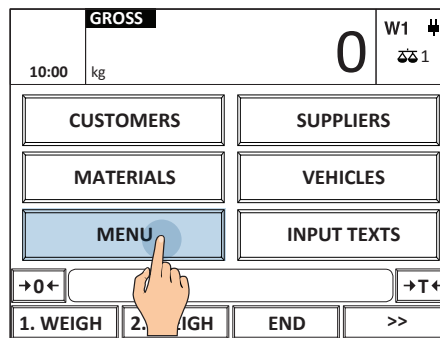
How to reset the list of open weighs

USE	Deletes the stored list of weighs open.
ACTIVATION	Activation requires advanced configuration.

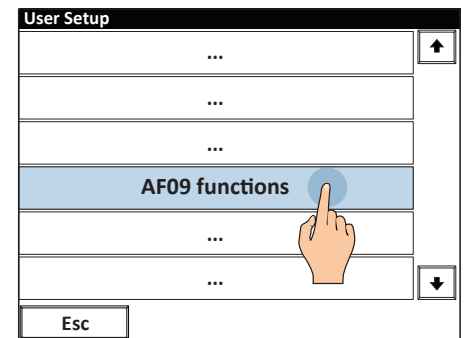
1.



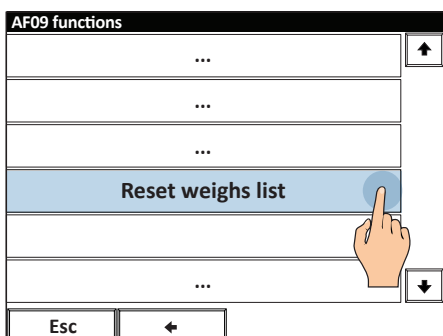
2.



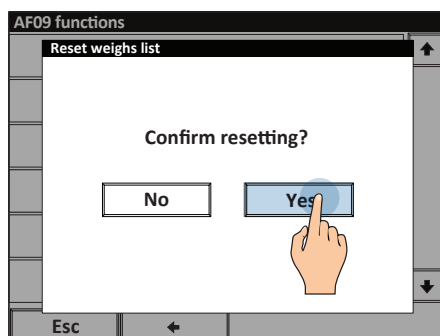
3.



4.



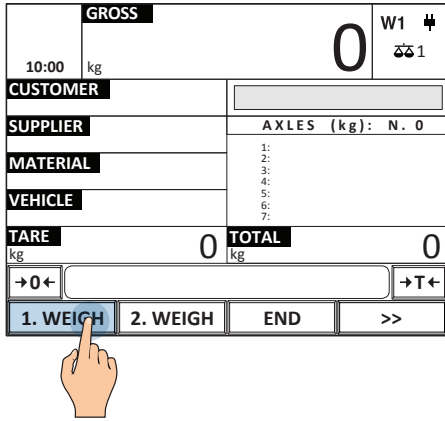
5.



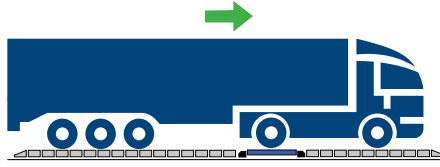
Overload control of the axle

USE	Allows you to view the overload axles on the display and to print them.
ACTIVATION	Standard active function.

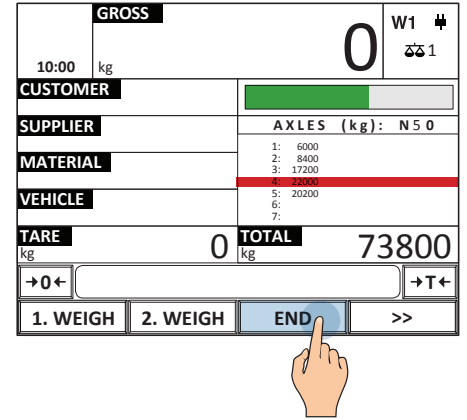
1. Press the key "1. WEIGH".



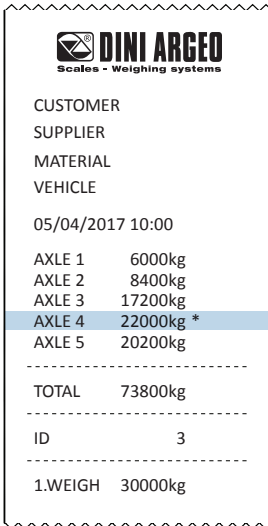
2. Drive on platforms at low speed.



3. When all the axles have been weighed, press "END" or wait for the automatic timed end.

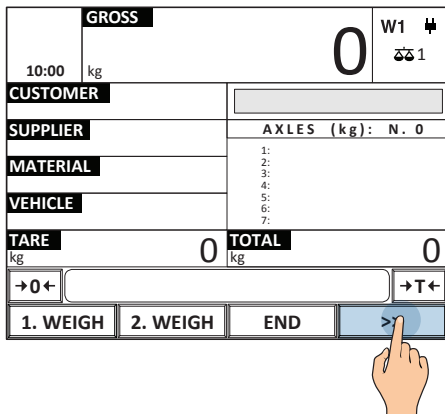


4.

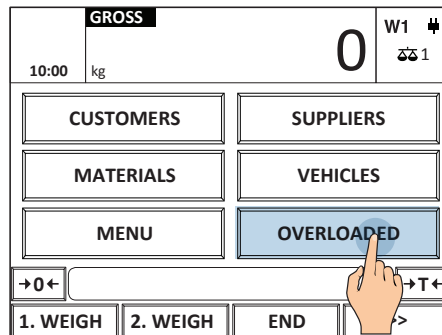


How to program the control threshold for each axle

1.



2.



3.

Outputs setpoint setting		
Output	Value ON	Value OFF
1	8000 kg	
2	10000 kg	
3	21000 kg	
4	21000 kg	
5	21000 kg	
6	0 kg	
7	0 kg	
8	0 kg	

Esc

Axle number Overload threshold




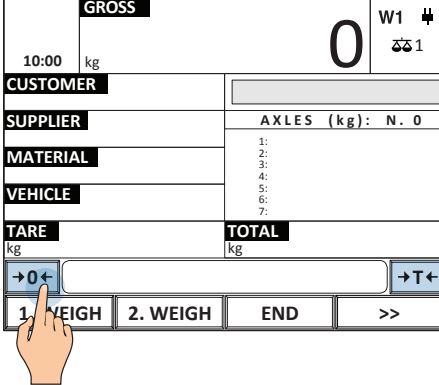
A maximum of 10 different thresholds can be set.
 It is possible to activate a single threshold for all the axles.
 • There is a specific relay output (optional) for each axle which is triggered if the weight is higher than the overload threshold.

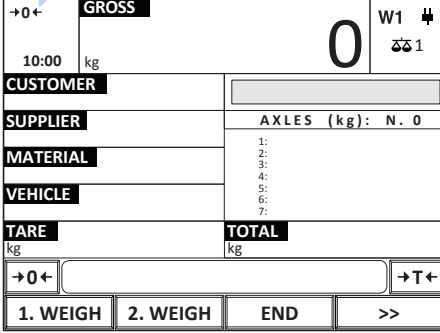
General weighing functions

Zero scale

USE	Lets you reset the zero before weighing, for optimal weighings.
APPLICATIONS	General weighing.
ACTIVATION	Standard active function.

1. 

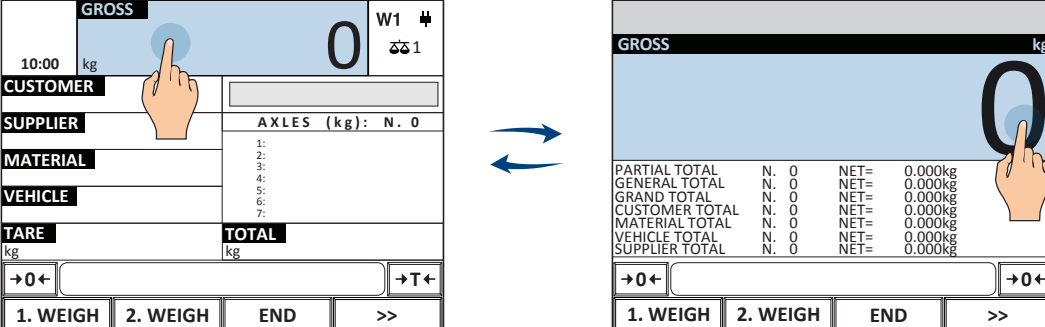
2. 

3. 

i The allowed zero setting range is equivalent to +/-2% of the maximum capacity of the weighbridge.

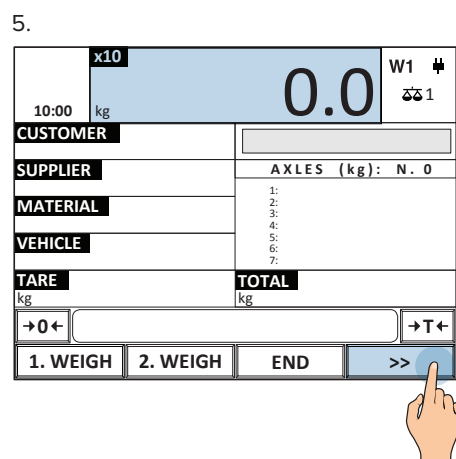
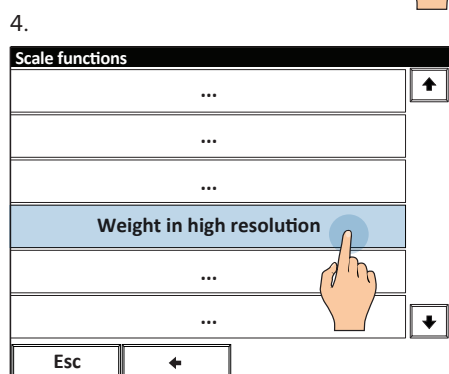
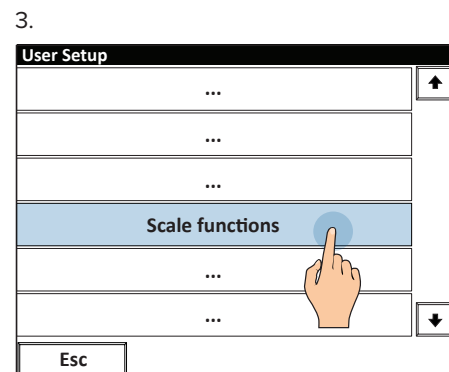
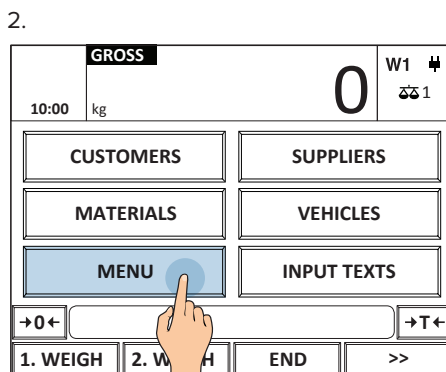
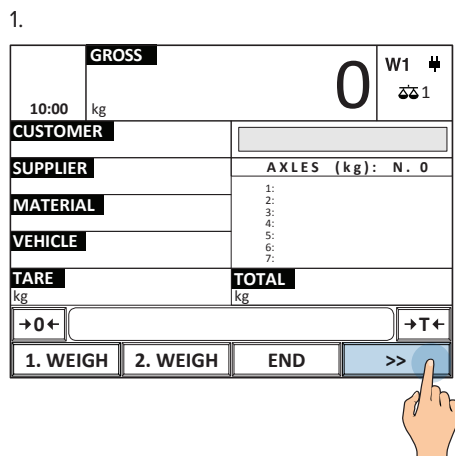
Weight view zoom

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



High resolution weight

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



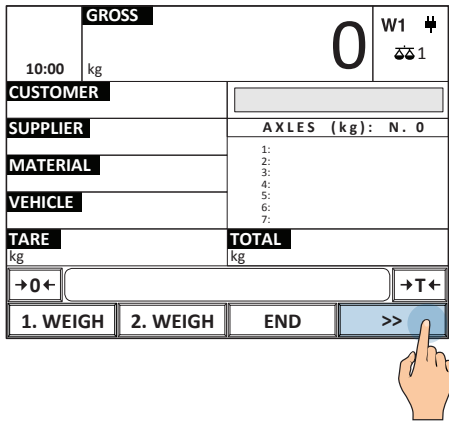
i If the instrument is approved, the display remains for a few seconds, then deactivates automatically.

Calculator

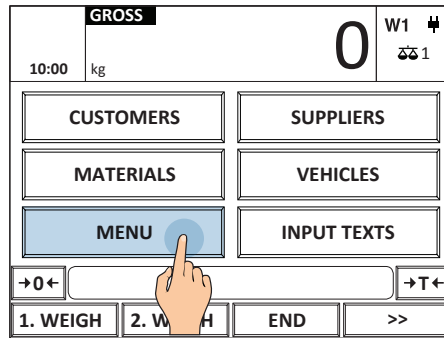
USE	Perform operations and print the total.
ACTIVATION	Standard active function.

To call up the generic "calculator" function:

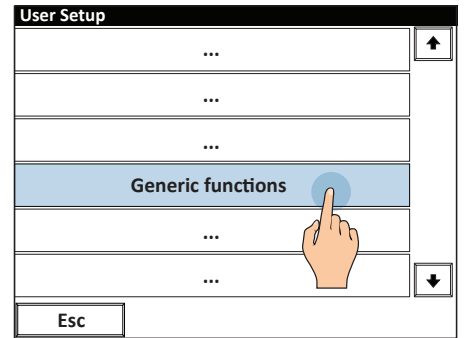
1.



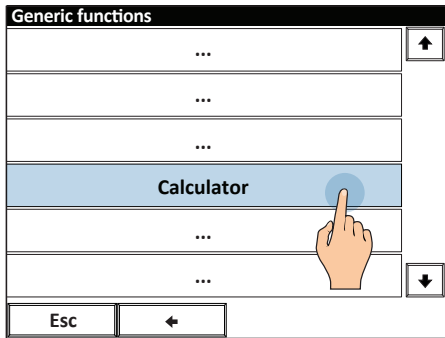
2.



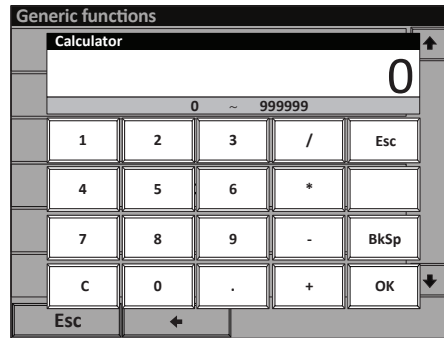
3.



4.



5.



500 Customers / 250 suppliers database

USE	Allows you to save the database of 500 customers / 250 different suppliers.
APPLICATIONS	Traceability, consumption and production checking, inventory monitoring.
ACTIVATION	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 >>

Once you enter the customer / supplier database filling menu you can:

Enter a new record

1.

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

Esc NEW 🔍 A...Z >>

2. Fill in the fields.

Customer 0001/0499	
Description 1	
Description 2	
Description 3	

← DELETE

3. Saving is automatic.

Customer 0001/0499	
Description 1	WHITE LTD
Description 2	
Description 3	

← DELETE

Delete a record

1.

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

Esc NEW 🔍 A...Z >>

2.

Customer 0001/0499	
Description 1	WHITE LTD
Description 2	
Description 3	

← DELETE

3.

Customer 0001/0499	
Delete the record?	
No	Yes

← DELETE

Edit an existing record

1.

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

Esc NEW A...Z >>

2.

Customer 0001/0499	
Description 1	WHITE LTD
Description 2	
Description 3	

← DELETE

3. Saving is automatic

Description 2									
JOHN WHITE									
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 [^] _F	Z	X	C	V	B	N	M	,	.
Shift	←					→	OK		

Search a record to edit / delete by alphabetic selection.

1.

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

Esc NEW A...Z >>

2.

Customer	
WHITE LTD	↑ ↓
	CLEAR
	BkSp
W	

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	

Search a record by its numeric index

1.

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

Esc NEW A...Z >>

2.

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

HELP PRINT INDEX >>

3. Enter the index of the record and press OK to confirm

Customer dtb									
Select record									
1									
1 ~ 499									
1	2	3	/	Esc					
4	5	6	*						
7	8	9	-	BkSp	↓				
C	0	.	+	OK					
HELP	PRINT	INDEX	OK						

Select a record

1.

GROSS		0	W1 #	↕ 1
10:00	kg			
CUSTOMER				
SUPPLIER	AXLES (kg): N. 0			
MATERIAL	1: 2: 3: 4: 5: 6: 7:			
VEHICLE				
TARE	TOTAL			
kg	kg			
→0←				→T←
1. WEIGH	2. WEIGH	END	>>	

2.

Select customer	
0000	Temporary
0001	SMIDTH LTD
0002	BLACK LTD
0003	GRAY LTD
0004	ORANGE LTD
0005	Empty
0006	Empty
0007	Empty

Selected Customer: 0001

Esc DESELECT A...Z INDEX

3.

GROSS		0	W1 #	↕ 1
10:00	kg			
CUSTOMER	GRAY LTD			
SUPPLIER	AXLES (kg): N. 0			
MATERIAL	1: 2: 3: 4: 5: 6: 7:			
VEHICLE				
TARE	TOTAL			
kg	kg			
→0←				→T←
1. WEIGH	2. WEIGH	END	>>	

Clear the current record

1.

GROSS		W1 #
10:00	kg	0
CUSTOMER	SMIDTH LTD	
SUPPLIER	AXLES (kg): N. 0	
MATERIAL	1:	
VEHICLE	2:	
TARE	3:	
TOTAL	4:	
kg	5:	
kg	6:	
→0←	→T←	
1. WEIGH	2. WEIGH	END >>

2.

Select customer	
0000	Temporary
0001	SMIDTH LTD
0002	BLACK LTD
0003	GRAY LTD
0004	ORANGE LTD
0005	Empty
0006	Empty
0007	Empty
Selected Customer: 0001	
Esc	DESELECT
A...Z	INDEX

3. Press YES to clear the record

GROSS		W1 #
Customer 0001/0499		
Deselect the record?		
No	Yes	
1. WEIGH 2. WEIGH END >>		



Customer / supplier database fields

USE	Allow you to associate descriptions to each customer/supplier to help to identify it in print and combine it with specific functions.
APPLICATIONS	Customer traceability / recognition.
ACTIVATION	In the default factory configuration, the customer/supplier 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 25 characters each that identify the customer / supplier.

Customer 0001/0499	
Description 1	
Description 2	
Description 3	
←	
DELETE	

500 materials database

USE	Lets you store up to 500 different materials.
APPLICATIONS	Traceability / Order management / Customer management.
ACTIVATION	Standard active function

How to fill in the database

1.

10:00 GROSS 0 W1 # 1
kg

CUSTOMER

SUPPLIER AXLES (kg): N. 0

MATERIAL

VEHICLE

TARE kg TOTAL kg

→0← →T←

1. WEIGH 2. WEIGH END >>

2.

10:00 GROSS 0 W1 # 1
kg

CUSTOMERS SUPPLIERS

MATERIALS

VEHICLES

MENU INPUT TEXTS

→0← →T←

1. WEIGH 2. WEIGH END >>

3.

Material dtb

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

Esc NEW A...Z >>

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

Enter a new material

1.

Material dtb

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

Esc NEW A...Z >>

2. Fill in the fields.

Material 0008 / 0499

Description 1	CLAY
Description 2	

← DELETE

3. Saving is automatic.

Material 0008 / 0499

Description 1	CLAY
Description 2	

← DELETE

Delete a material

1.

Material dtb

0001	KAOLIN
0002	CLAY
0003	SAND
0004	GRAVE
0005	OTHER
0006	EMPTY
0007	EMPTY
0008	EMPTY

Esc NEW A...Z >>

2.

Material 0002 / 0499

Description 1	CLAY
Description 2	

← DELETE

3.

Material dtb

Material 0001/0499

Delete the record?

No Yes

Esc NEW A...Z >>

Edit an existing material

1.

Material dtb	
0001	KAOLIN
0002	CLAY
0003	SAND
0004	GRAVEL
0005	OTHER
0006	EMPTY
0007	EMPTY
0008	EMPTY

Esc NEW A...Z >>

2.

Material 0002 / 0499	
Description 1	CLAY
Description 2	

← DELETE

3. Saving is automatic.

Description 2									
RED									
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	;
Z [^] _F	Z	X	C	V	B	N	M	,	.
Shift	←							→	OK

Look for a material to edit/delete via alphabetic selection.

1.

Material dtb	
0001	KAOLIN
0002	CLAY
0003	SAND
0004	GRAVEL
0005	OTHER
0006	EMPTY
0007	EMPTY
0008	EMPTY

Esc NEW A...Z >>

2.

Material	
CLAY	↑ ↓
	CLEAR
	BkSp
A	
Q	W E R T Y U I O P
A	S D F G H J K L ;
Z [^] _F	Z X C V B N M Esc
Shift	NEW

Look for a material by its numeric index

1.

Material dtb	
0001	KAOLIN
0002	CLAY
0003	SAND
0004	GRAVEL
0005	OTHER
0006	EMPTY
0007	EMPTY
0008	EMPTY

Esc NEW A...Z >>

2.

Material dtb	
0001	KAOLIN
0002	CLAY
0003	SAND
0004	GRAVEL
0005	OTHER
0006	EMPTY
0007	EMPTY
0008	EMPTY

HELP PRINT INDEX >>

3. Enter the index of the material and press OK to confirm.

Material dtb									
Select record									
1									
1 ~ 499									
1	2	3	/	Esc					
4	5	6	*						
7	8	9	-	BkSp					
C	0	.	+	OK					
HELP	PRINT	INDEX							

Select a material

1.

GROSS		0	W1 #
10:00	kg		1
CUSTOMER			
SUPPLIER	AXLES (kg): N. 0		
MATERIAL	1: 2: 3: 4: 5: 6: 7:		
VEHICLE			
TARE	kg	TOTAL	kg
→0←		→T←	
1. WEIGH	2. WEIGH	END	>>

2.

Material dtb	
0001	KAOLIN
0002	CLAY
0003	SAND
0004	GRAVEL
0005	OTHER
0006	EMPTY
0007	EMPTY
0008	EMPTY
Esc NEW A...Z >>	

3.

GROSS		0	W1 #
10:00	kg		1
CUSTOMER			
SUPPLIER	AXLES (kg): N. 0		
MATERIAL	1: 2: 3: 4: 5: 6: 7:		
VEHICLE			
TARE	kg	TOTAL	kg
→0←		→T←	
1. WEIGH	2. WEIGH	END	>>

Clear the current material

1.

GROSS		0	W1 #
10:00	kg		1
CUSTOMER			
SUPPLIER	AXLES (kg): N. 0		
MATERIAL	1: 2: 3: 4: 5: 6: 7:		
VEHICLE			
TARE	kg	TOTAL	kg
→0←		→T←	
1. WEIGH	2. WEIGH	END	>>

2.

Select Material	
0000	TEMPORARY
0001	KAOLIN
0002	CLAY
0003	SAND
0004	GRAVEL
0005	OTHER
0006	EMPTY
0007	EMPTY
Selected Material: 0001	
Esc DESELECT A...Z INDEX	

3. Press YES to clear the material.

Select Material	
Material 0001/0499	
Deselect the record?	
<input type="button" value="No"/> <input type="button" value="Yes"/>	
Esc DESELECT A...Z INDEX	

Materials database fields

USE	Allow you to associate descriptions to each material to help to identify it in print and combine it with specific functions.
APPLICATIONS	Material traceability / recognition.
ACTIVATION	In the default factory configuration, the material 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 material.

Material 0002 / 0499	
Description 1	
Description 2	
←	
DELETE	

500 vehicles database

USE	Lets you store up to 500 different vehicles.
APPLICATIONS	Traceability / Order management / Customer management.
ACTIVATION	Standard active function

How to fill in the database

1.

10:00 kg 0 W1 # 1

CUSTOMER

SUPPLIER AXLES (kg): N. 0

1:
2:
3:
4:
5:
6:
7:

MATERIAL

VEHICLE

TARE kg **TOTAL** kg

→0← →T←

1. WEIGH 2. WEIGH END >>

2.

10:00 kg 0 W1 # 1

CUSTOMERS **SUPPLIERS**

MATERIALS **VEHICLES**

MENU **INPUT TEXT**

→0← →T←

1. WEIGH 2. WEIGH END >>

3.

Vehicle dtb	
0001	XX 123 YY
0002	AA 321 BB
0003	AB 456 CD
0004	Empty
0005	Empty
0006	Empty
0007	Empty
0008	Empty

Esc NEW A...Z >>

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

Enter a new vehicle

1.

Vehicle dtb	
0001	XX 123 YY
0002	AA 321 BB
0003	AB 456 CD
0004	Empty
0005	Empty
0006	Empty
0007	Empty
0008	Empty

Esc NEW A...Z >>

2. Fill in the fields.

Vehicle 0001/499	
Plate	
Description	
Tare	0kg

← DELETE

3. Saving is automatic.

Vehicle 0001/499	
Plate	JH 879 GF
Description	
Tare	0kg

← DELETE

Delete a vehicle

1.

Vehicle dtb	
0001	XX 123 YY
0002	AA 321 BB
0003	AB 456 CD
0004	Empty
0005	Empty
0006	Empty
0007	Empty
0008	Empty

Esc NEW A...Z >>

2.

Vehicle 0001/499	
Plate	AA 321 BB
Description	
Tare	0kg

← DELETE

3.

Vehicle 0001/499	
Plate	Vehicle 0001/0499
Description	
Tare	

Delete the record?

No Yes

← DELETE

Edit an existing vehicle

1.

Vehicle dtb	
0001	XX 123 YY
0002	AA 321 BB
0003	AB 456 CD
0004	Empty
0005	Empty
0006	Empty
0007	Empty
0008	Empty

Esc NEW A...Z >>

2.

Vehicle 0001/499	
Plate	AA 321 BB
Description	
Tare	0kg

← DELETE

3. Saving is automatic.

Description 2									
IVECO									
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 [^] _F	Z	X	C	V	B	N	M	,	.
Shift	←					→	OK		

Look for a vehicle to edit / delete via alphabetic selection.

1.

Vehicle dtb	
0001	XX 123 YY
0002	AA 321 BB
0003	AB 456 CD
0004	Empty
0005	Empty
0006	Empty
0007	Empty
0008	Empty

Esc NEW A...Z >>

2.

Vehicle	
AA 321 BB	↑ ↓
AB 456 CD	CLEAR
	BkSp
A	
Q	W E R T Y U I O P
A	S D F G H J K L ;
Z	X C V B N M Esc
	NEW

Look for a vehicle by its numeric index

1.

Vehicle dtb	
0001	XX 123 YY
0002	AA 321 BB
0003	AB 456 CD
0004	Empty
0005	Empty
0006	Empty
0007	Empty
0008	Empty

Esc NEW A...Z >>

2.

Vehicle dtb	
0001	XX 123 YY
0002	AA 321 BB
0003	AB 456 CD
0004	Empty
0005	Empty
0006	Empty
0007	Empty
0008	Empty

HELP PRINT INDEX >>

3. Enter the index of the vehicle and press OK to confirm.

Vehicle dtb									
Select record									
1									
1 ~ 499									
1	2	3	/	Esc					
4	5	6	*						
7	8	9	-	BkSp					
C	0	.	+	OK					
HELP	PRINT	INDEX							

Select a vehicle

1.

GROSS		0	W1 #
10:00	kg		1
CUSTOMER			
SUPPLIER	AXLES (kg): N. 0		
MATERIAL	1: 2: 3: 4: 5: 6: 7:		
VEHICLE			
TARE	kg	TOTAL	kg
→0+			→T←
1. WEIGH	2. WEIGH	END	>>

2.

Vehicle dtb	
0001	XX 123 YY
0002	AA 321 BB
0003	AB 456 CD
0004	Empty
0005	Empty
0006	Empty
0007	Empty
0008	Empty

Esc NEW A...Z >>

3.

GROSS		0	W1 #
10:00	kg		1
CUSTOMER			
SUPPLIER	AXLES (kg): N. 0		
MATERIAL	1: 2: 3: 4: 5: 6: 7:		
VEHICLE	XX 123 YY		
TARE	kg	TOTAL	kg
→0+			→T←
1. WEIGH	2. WEIGH	END	>>

Clear the current vehicle

1.

GROSS		0	W1
10:00	kg		1
CUSTOMER			
SUPPLIER		AXLES (kg): N. 0	
MATERIAL		1:	
VEHICLE		2:	
AA 321 BB		3:	
TARE		4:	
		5:	
TOTAL		6:	
		7:	
→0←		→T←	
1. WEIGH	2. WEIGH	END	>>

2.

Select Vehicle	
0000	Temporary
0001	AA 321 BB
0002	AB 456 CD
0003	Empty
0004	Empty
0005	Empty
0006	Empty
0007	Empty

Selected Vehicle: 0001

Esc DESELECT A...Z INDEX



3. Press YES to clear the vehicle.

Select Vehicle	
Vehicle 0001/0499	
Deselect the record?	
No	Yes

Esc DESELECT A...Z INDEX



Vehicles database fields

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

Vehicle license plate, max 20 characters. In the "recognition by numberplate" mode, identifies the first weighing (see page A-7).

Alphanumeric description of 20 characters that can be shown in print.

By entering the empty vehicle weight, there is no need to execute the first weighing, but only the second (see page A-9).



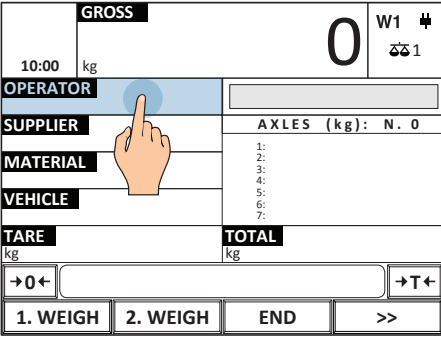
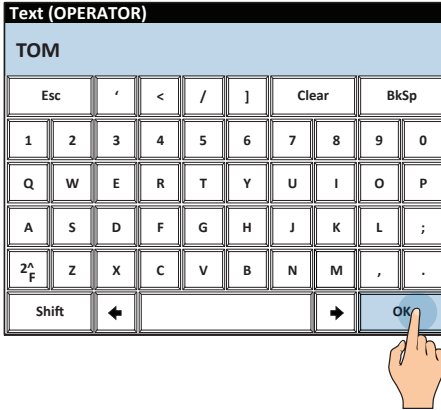
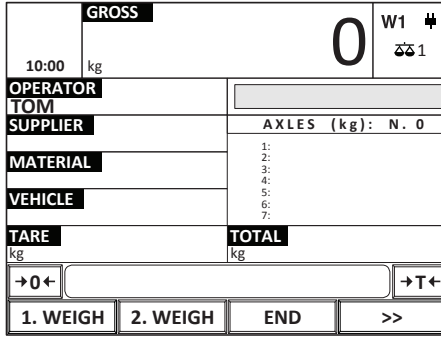
Vehicle 0001/499	
Plate	
Description	
Tare	0kg

← DELETE

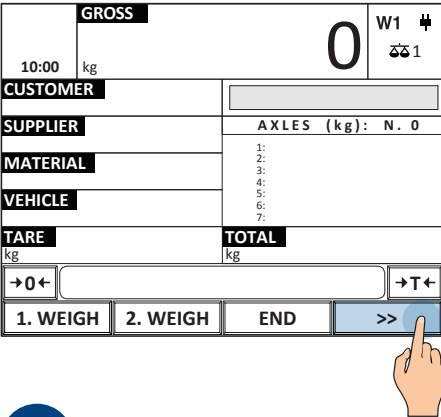
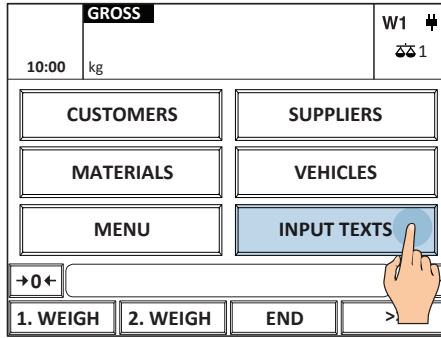
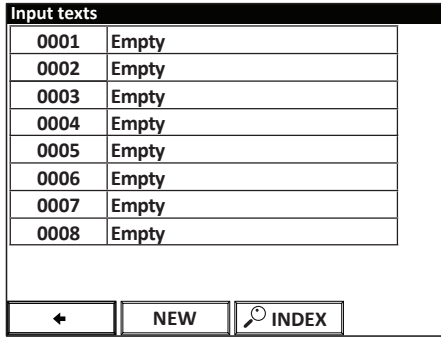
Entering weighing identifier texts

USE	You can enter up to 15 texts to indicate the location and address of the weighbridge, operator or any required data. Such data may be shown in the printout or transmitted to the IT system or saved on USB devices.
APPLICATIONS	Traceability of weighings.
ACTIVATION	Free text activation (up to 15) requires advanced configuration. Activating an automatic entry sequence (up to 10 consecutive operations) requires advanced configuration (see page G-1).

Example of replacement of “Customer” key with free “Operator” key

- 
- 
- 

How to access the complete list of texts

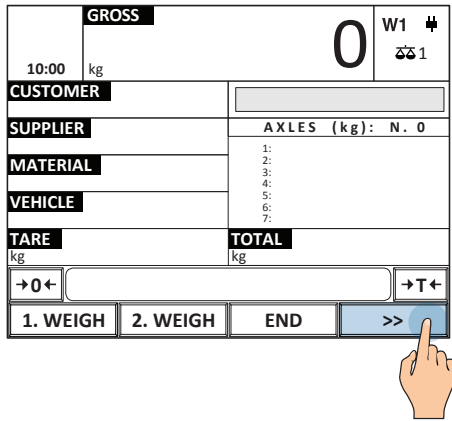
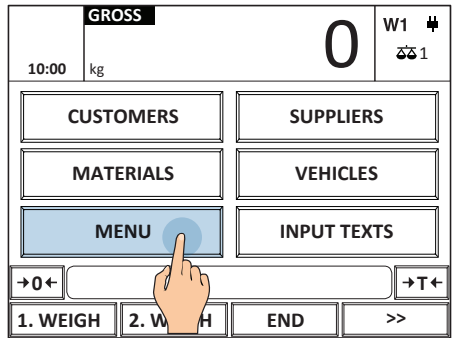
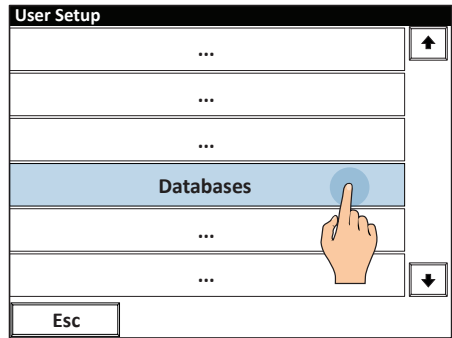
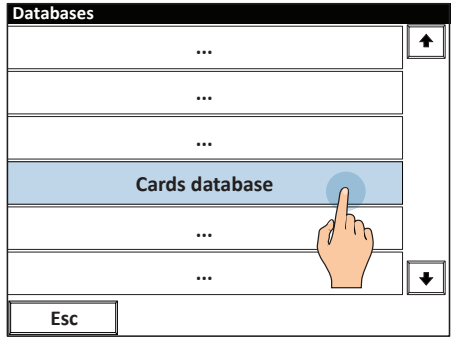
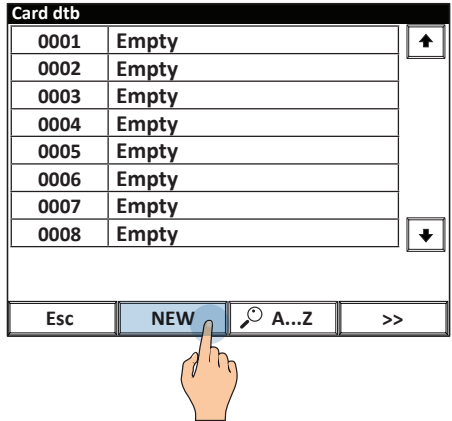
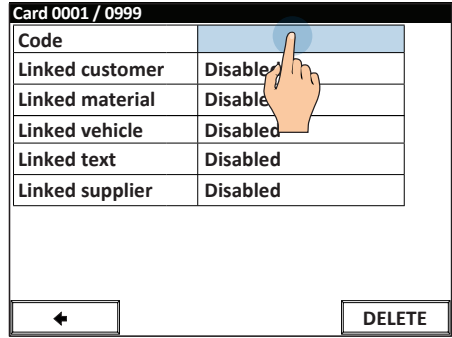

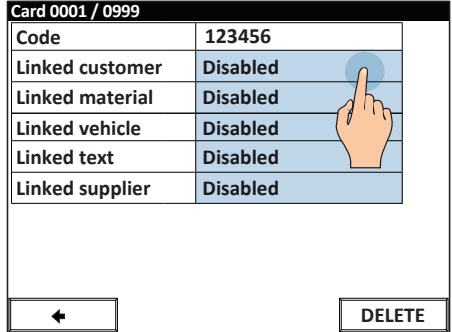
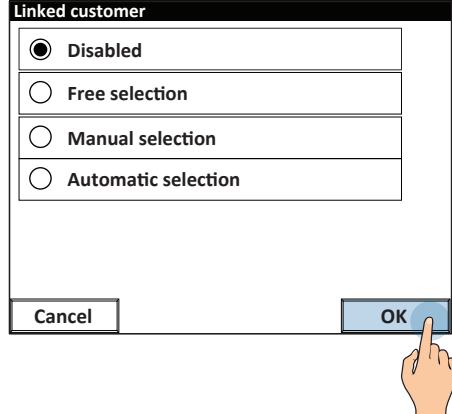
- 
- 
- 

i Additional text activation (up to 50) requires advanced configuration. If the texts must be completed at each weighing, it is possible to create an automatic sequence for the operator’s convenience (see page G-1).

1000 cards database

USE	Allows you to attach to a card one or more records of the database to speed up selection and automate weighing operations.
APPLICATIONS	Automated / Self service weighing.
ACTIVATION	Filling in the cards and associating to the database are active as standard. Activation of automated weighing requires advanced configuration.

How to fill in the database

- 
- 
- 
- 
- 
- 
- 
- 
- 

i By selecting “manual”, during the weighing phase the driver may manually select that field.
By selecting “automatic”, in the weighing phase the associated record is activated automatically.

Example of quick database selection and manual execution of weighing.

1. Identification



2. AutoFill

GROSS		50000	W1 #
10:00	kg		1
CUSTOMER	SMIDTH LTD		
SUPPLIER	WHITE LTD		
MATERIAL	CLAY		
VEHICLE	XX 123 YY		
TARE	TOTAL		
kg	kg		
→0←		→T←	
1. WEIGH	2. WEIGH	END	>>

3.

GROSS		50000	W1 #
10:00	kg		1
CUSTOMER	SMIDTH LTD		
SUPPLIER	WHITE LTD		
MATERIAL	CLAY		
VEHICLE	XX 123 YY		
TARE	TOTAL		
kg	kg		
→0←		→T←	
1. WEIGH	2. WEIGH	END	>>



Using the card you can also automatically execute the first and second weighing further speeding up the procedure. Enabling this feature requires advanced configuration.

Password to access the database

USE	Allows you to block database entry and editing (customers, suppliers, materials and vehicles).
ACTIVATION	Activation requires advanced configuration.

1.

GROSS		0	W1 #
10:00	kg		1
CUSTOMER			
SUPPLIER	AXLES (kg): N. 0		
MATERIAL	1: 2: 3: 4: 5: 6: 7:		
VEHICLE			
TARE	TOTAL		
kg	kg		
→0←		→T←	
1. WEIGH	2. WEIGH	END	>>

2.

GROSS		0	W1 #
10:00	kg		1
CUSTOMERS	SUPPLIERS		
MATERIALS	VEHICLES		
MENU	INPUT TEXTS		
→0←		→T←	
1. WEIGH	2. WEIGH	END	>>

3. Type the password and press OK

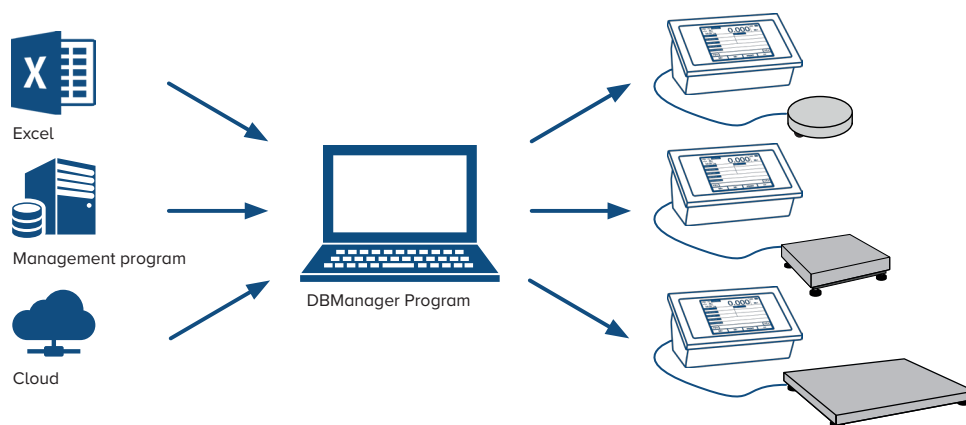
GROSS		0	W1 #
10:00	kg		1
Databases password			
0.000		65534	
1	2	3	/ Esc
4	5	6	*
7	8	9	- BkSp
→0←	c	0	. + OK T←
1. WEIGH	2. WEIGH	END	>>



The password is univocal for all database entries.

Filling in database from PC with “DBManager”

USE	Allows you to quickly fill in the scale databases from PC, with the possibility of importing data from Excel files or directly from management program.
APPLICATIONS	Quick scale database update.
ACTIVATION	Activation requires advanced configuration.

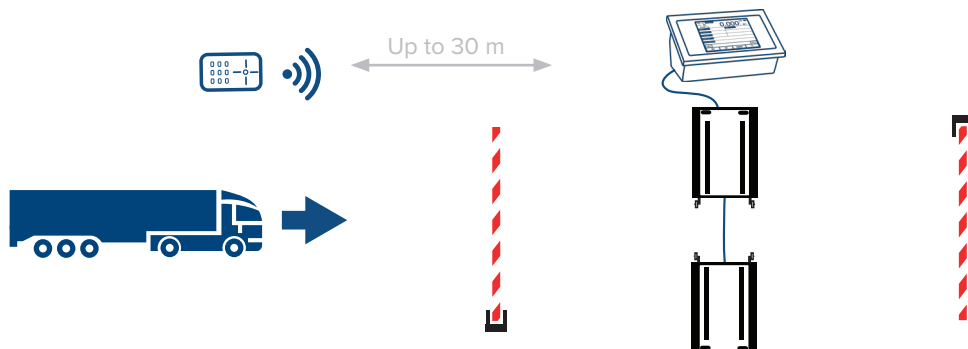


Operation with RF remote control

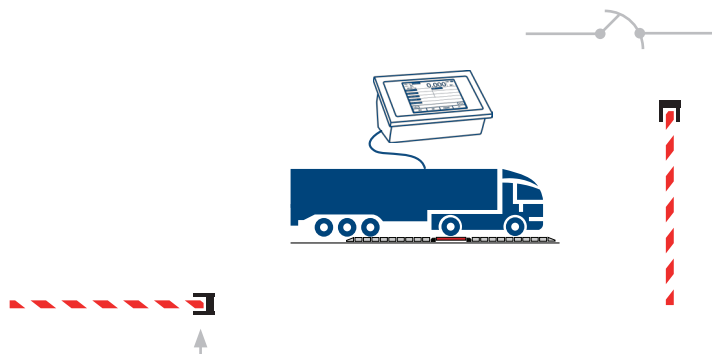
USE	Allows you to execute identification remotely through the use of an RF remote control. Useful in systems with access barriers.
ACTIVATION	Activation requires advanced configuration.

Application example

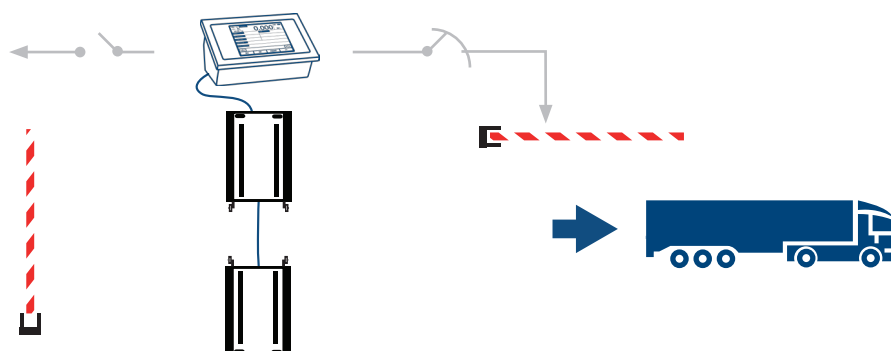
1. Press the identification key on the remote control.



2. Access to weighbridge authorised and automatic weighing with stable weight.

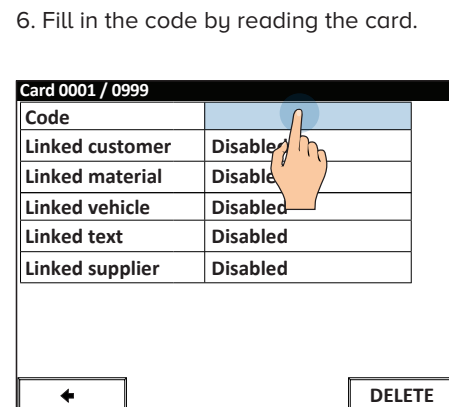
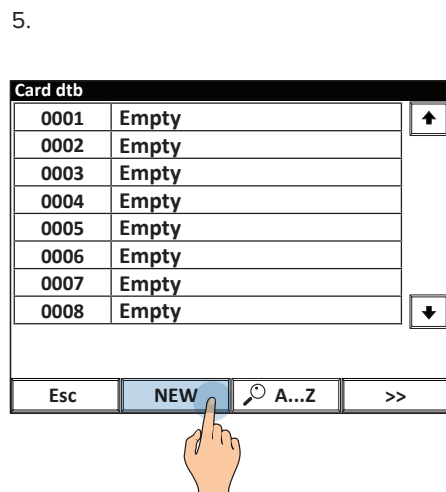
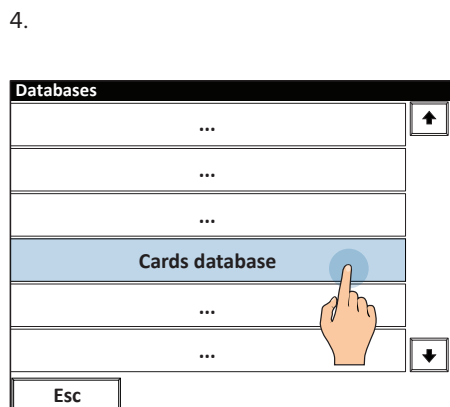
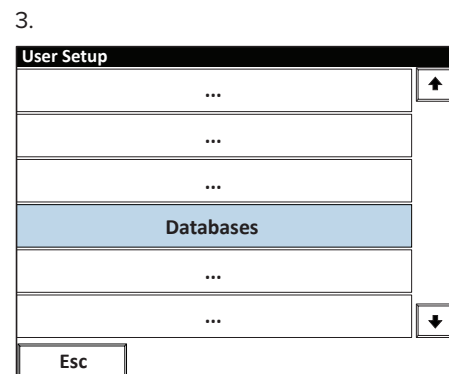
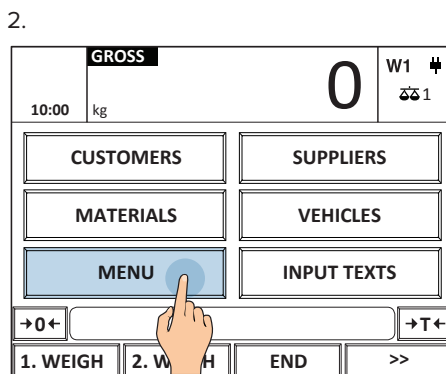
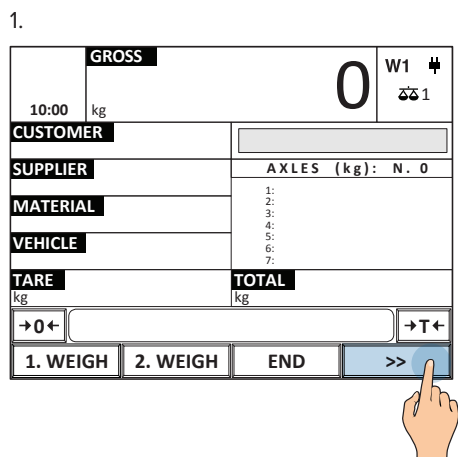


3. Successfully executed weighing.

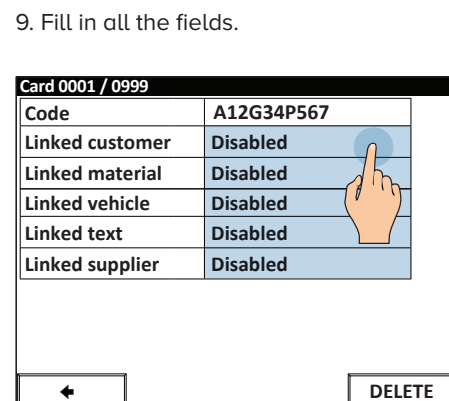
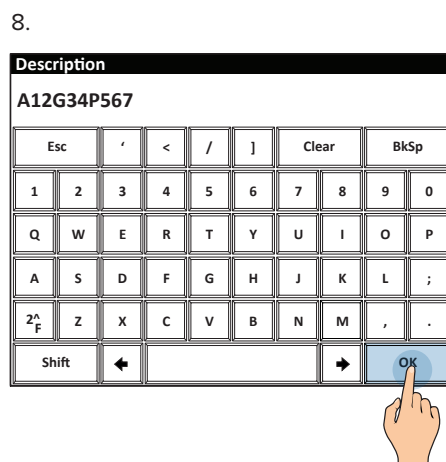


Remote control configuration (up to 1000)

USE	Allows you to associate to a remote control the customer, the material, the vehicle and the supplier for quick recognition.
ACTIVATION	Filling in of the database is active as standard. Enabling operation via the remote control requires an advanced setup.



7. Identify the card by means of the reader.




10. You may choose the selection mode for each record associated:

Linked customer

<input type="radio"/> Disabled
<input type="radio"/> Free selection
<input type="radio"/> Manual selection
<input checked="" type="radio"/> Automatic selection

Cancel OK




11.

Link Customer

0001	WHITE LTD
------	-----------

Linked Customer: 0001

← UNLINK 🔍 A..Z 🔍 INDEX



12.

Card 0001 / 0999

Code	A12G34P567
Linked customer	WHITE LTD
Linked material	Disabled
Linked vehicle	Disabled
Linked text	Disabled
Linked supplier	Disabled

← DELETE



Weighing is carried out only if a vehicle is associated to the remote control.




Using the card you can also automatically execute the first and second weighing further speeding up the procedure. Enabling this feature requires advanced configuration.

How to request a driver to enter some data

USE	Allows you to automatically select the fixed data (customer, vehicle) and request the driver to enter the variable data, such as the transported material and the supplier.
ACTIVATION	In the self service mode with badge/RFID recognition the function is active as standard.


1.

GROSS		W1 #
10:00	kg	0
CUSTOMER		
SUPPLIER	AXLES (kg): N. 0	
MATERIAL	1: 2: 3: 4: 5: 6: 7:	
VEHICLE		
TARE	TOTAL	
kg	kg	
→0←		→T←
1. WEIGH	2. WEIGH	END >>



2.

GROSS		W1 #
10:00	kg	0
CUSTOMERS	SUPPLIERS	
MATERIALS	VEHICLES	
MENU	INPUT TEXTS	
→0←		→T←
1. WEIGH	2. WEIGH	END >>




3.

User Setup	
...	↑
...	
...	
Databases	
...	
...	
...	↓
Esc	


4.

Databases	
...	↑
...	
...	
Cards database	
...	
...	
Esc	




5.

Card dtb				
0001	JOHN	↑		
0002	Empty			
0003	Empty			
0004	Empty			
0005	Empty			
0006	Empty			
0007	Empty			
0008	Empty	↓		
Esc		NEW	A...Z	>>




6.

Card 0001 / 0999		
Code	JOHN	
Linked customer	Disabled	
Linked material	Disabled	
Linked vehicle	Disabled	
Linked text	Disabled	
Linked supplier	Disabled	
←		DELETE



7.

Linked customer		
<input type="radio"/>	Disabled	
<input type="radio"/>	Free selection	
<input checked="" type="radio"/>	Manual selection	
<input type="radio"/>	Automatic selection	
Cancel		OK

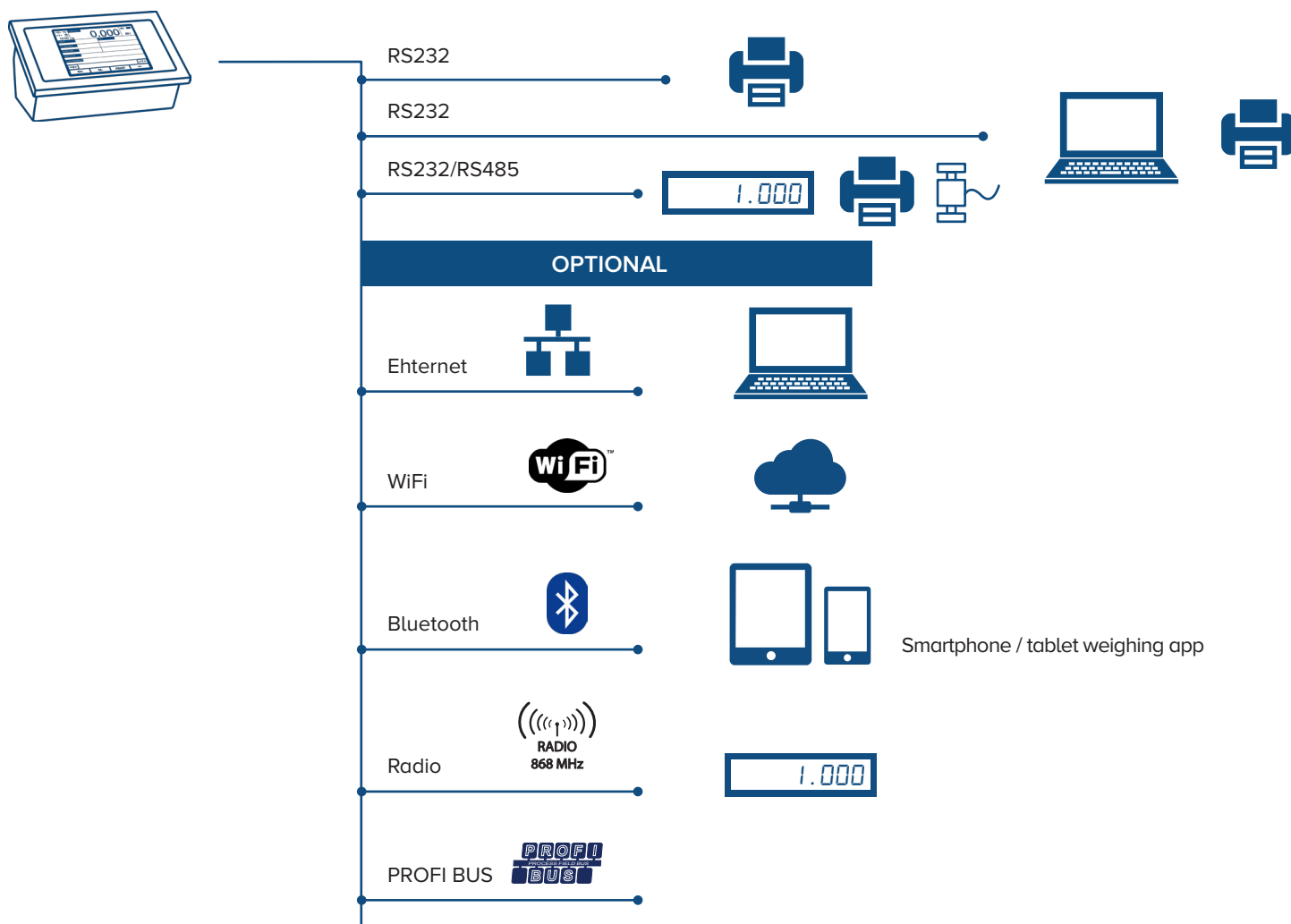


i

Upon weighing the driver will have to manually enter all data configured as "manual selection".
The data will be required in sequence.

Data Printing / Communication / Transmission

The indicator has 3 serial ports to communicate with one or more printers / label machines, PCs and weight repeaters. Alternatively, you can expand 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.

Customisable print format

USE	Allows you to issue printouts, in single or multi copy, at each weighing.
ACTIVATION	Activation requires advanced configuration.

SAGEBER & CO GmbH
 0 Handel 0 Br- & Verkaufsgang 0 Steuerang.
 Wiegenschein Nr. 14 KFAZ 0645080
 Kunden-Nr. 000 Fahrer/Faktor FÄHRER /FAKTOCHER
 Empf. KUNDENSCHIEKENSCH. 1 Adresse Nr. 1234567890
 Stempel KUNDENSCHIEKENSCH. 2 Datum 04/10/10
 PLZ/KUNDENSCHIEKENSCH. 3 Utwagen 13-126
 BRUTTO 32238kg
 TARA 27279kg
 NETTO 9459kg
 BEZUGSWEISE: 1 2 3
 MENGE 1 2 3 4 5 6 7

Handel mit Waren aller Art Landesprodukte
 WIEGESCHEIN Nr. 09/01/10 22+41 Nr.+1
 EINKAUF: EM(NZ)F 32450 kg
 VERKAUF: 09/01/10 22+41 Nr.+1
 EM(NZ)F 32450 kg
 ZW(NZ)F 19650 kg
 SONSTIGES: H 12800 kg E
 LKW Kennzeichen: Nossat Süßrasse
 WEIZEN H₂O DONGEMITTEL
 GERSTE PROTEIN
 DURUM HL-GEW: MUSTER NPL
 FUTTERMAIS SEDE: SONSTIGES
 WAXYMAIS KLEBER:
 OLSONNENLUMEN FALLZAHL:
 HIGH OLEIC SONNENBL. SIEBLUNG:
 RAPS AUSPUTZ:
 PELLETS PUTZEN: ÜBERNOMMEN
 TROCKNUNG:

Over 300 data available to print

- Weights
- Descriptions
- Texts
- Traceability Data
- Images
- Logos
- Barcode/QR Codes
- Dates (production, packaging, deadline etc.)
- Batch
- Operator

Multi-copy printing

USE	Allows you to issue up to 5 copies of the same receipt.
ACTIVATION	Standard active function.

1. 2. 3.

4. 5. Enter the number of copies and press OK to confirm. 6. Perform weighing of the axles (based on the chosen operating mode)

Dynamic axle weighing: see page A-1
 Automatic static axle weighing: see page A-2
 Manual static axle weighing: see page A-3

7. Automatic multi-copy printing at every weigh.

Copy 1

DINI AR GEO Scales - Weighing systems	
ID	1
CUSTOMER	
SUPPLIER	
MATERIAL	
VEHICLE	
SCALE	A
05/04/2016 16:00	
PROGRESSIVE	1
1. WEIGH	20000kg

Copy 2

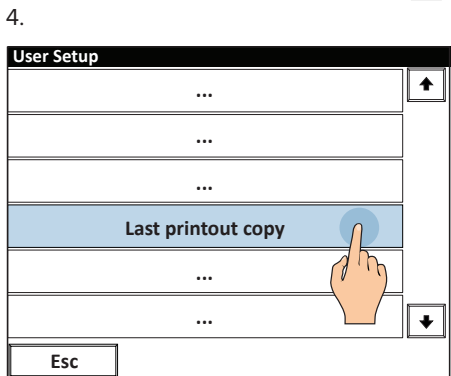
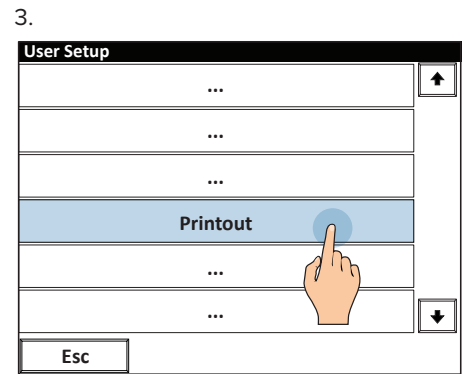
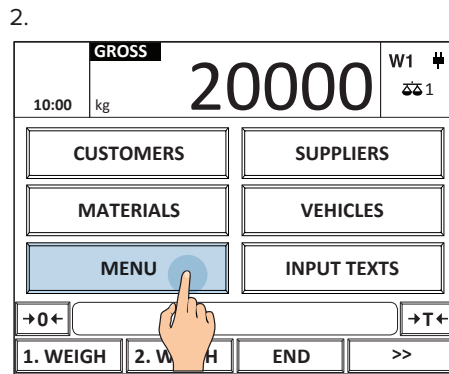
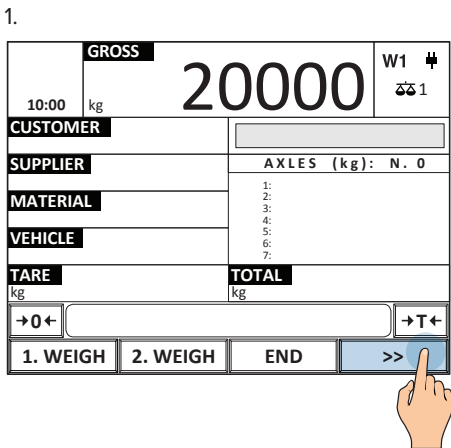
DINI AR GEO Scales - Weighing systems	
ID	1
CUSTOMER	
SUPPLIER	
MATERIAL	
VEHICLE	
SCALE	A
05/04/2016 16:00	
PROGRESSIVE	1
1. WEIGH	20000kg

Copy 3

DINI AR GEO Scales - Weighing systems	
ID	1
CUSTOMER	
SUPPLIER	
MATERIAL	
VEHICLE	
SCALE	A
05/04/2016 16:00	
PROGRESSIVE	1
1. WEIGH	20000kg

Repeat last printout

USE	Allows you to repeat printing of the last issued receipt.
ACTIVATION	Standard active function.

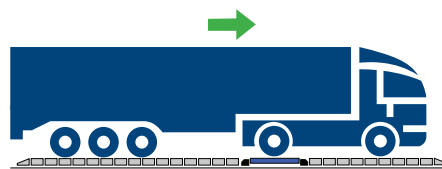
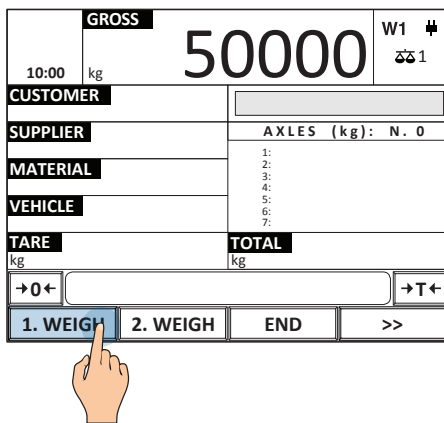


Real time saving on USB device

USE	Allows you to have a backup of more than 5,000,000 weighs and correlated data.
APPLICATIONS	<ul style="list-style-type: none"> • Traceability of weighs • Control reporting • Empowering operators
ACTIVATION	Activation requires advanced configuration.

i Note: while weighing, the USB drive must be installed

- 1.
2. Perform weighing of the axles (based on the chosen operating mode)
3. Automatic saving to a USB device



Dynamic axle weighing:

see page A-1

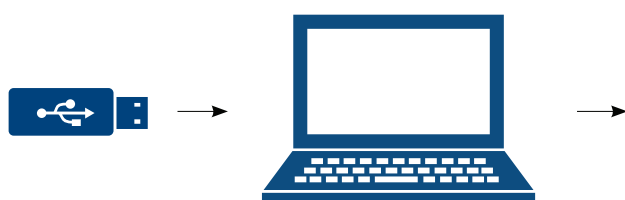
Automatic static axle weighing:

see page A-2

Manual static axle weighing:

see page A-3

- 4.



N.	MATERIAL	CUSTOMER	BATCH	NET (kg)	DATE
1	APPLE	SMIDTH LTD	A22	1000	01-03-16
2	PEACH	WHITE LTD	A24	2276	01-03-16
3	BANANA	BLACK LTD	A22	6754	01-03-16
4	PEAR	RED LTD	S34	5498	01-03-16
5	KIWI	SMIDTH LTD	A27	6534	01-03-16
6	MANGO	WHITE LTD	A56	1200	01-03-16
7	PLUM	BLACK LTD	A23	3487	01-03-16
8	PAPAYA	SMIDTH LTD	B54	5400	01-03-16
9	PINEAPPLE	SMIDTH LTD	V43	3200	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

USE	The fiscal memory allows you to store the weighs performed (up to 130,000) and transfer them to the IT system for use in commercial transactions with third parties.
APPLICATIONS	Entering the weight in transport documents, invoices, reports for commercial transactions with third parties.
ACTIVATION	Activation requires advanced configuration.

Every performed weigh 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:

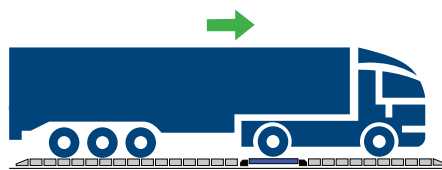
Gewicht
123.0kg (00000-000260)

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.

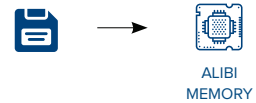
How to record a weighing

1.

2. Perform weighing of the axles (based on the chosen operating mode)



3. Automatic printing and storing at every totalisation.



Dynamic axle weighing:

see page A-1

Automatic static axle weighing:

see page A-2

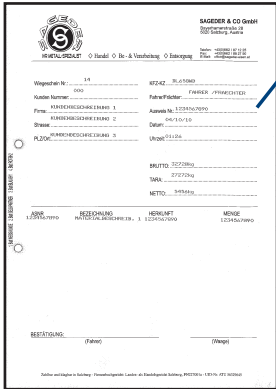
Manual static axle weighing:

see page A-3

Alibi memory reading

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

Example:

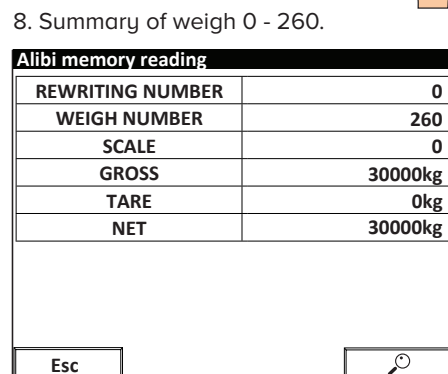
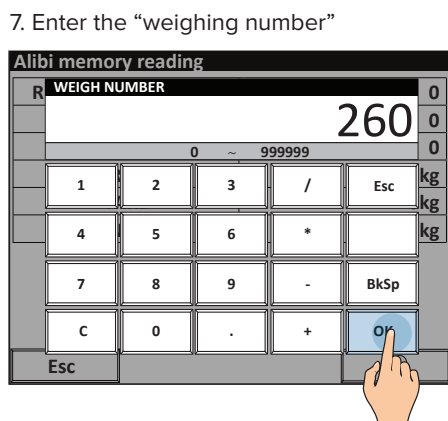
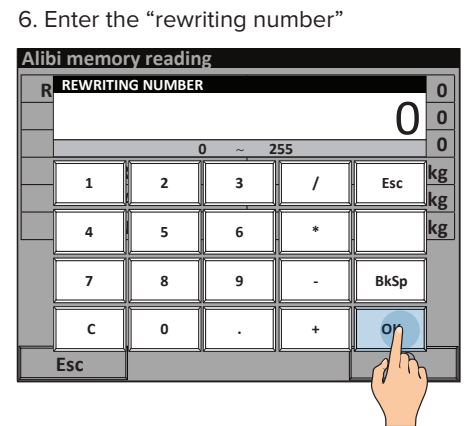
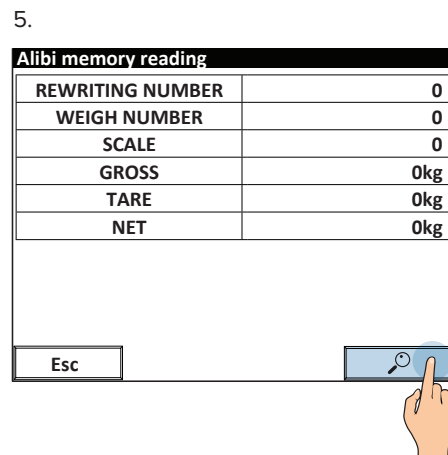
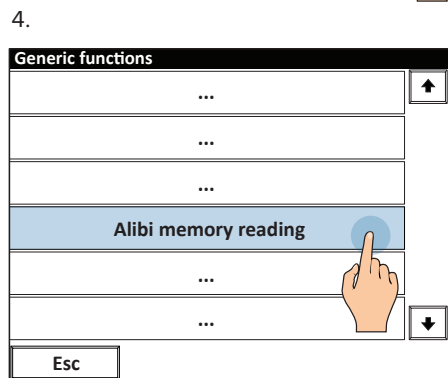
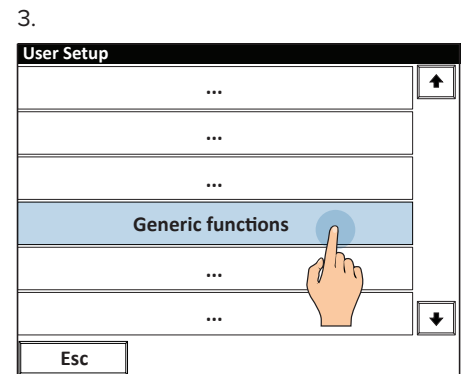
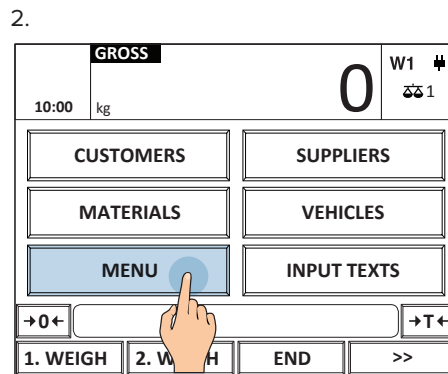
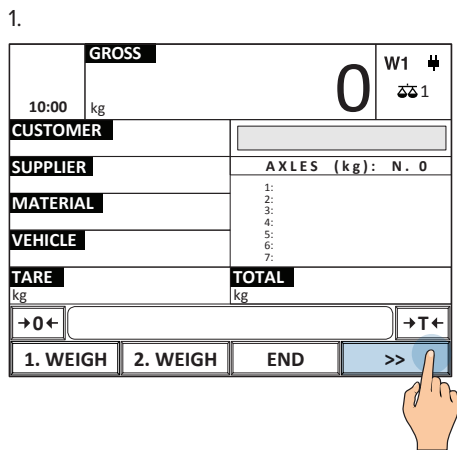


Alibi memory ID code to verify:

123.0kg (0 - 260)

Rewriting
number

Number
weigh



Saving weighings to PC via "WeiMonitor" program

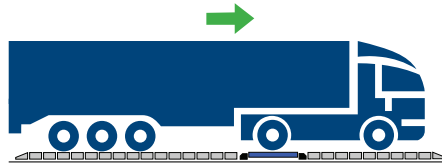
USE	"WeiMonitor" is a computer program that allows you to receive and save each weigh in real time, with all the related traceability data (descriptions, batch, operator, date, etc.)
APPLICATIONS	Traceability / Production monitoring.
ACTIVATION	The "WeiMonitor" program is optional, requires a license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

1.

GROSS		W1 #
10:00	kg	50000
CUSTOMER		
SUPPLIER	AXLES (kg): N. 0	
MATERIAL	1:	
VEHICLE	2:	
TARE	TOTAL	
kg	kg	
→0←		→T←
1. WEIGH	2. WEIGH	END >>



2. Perform weighing of the axles (based on the chosen operating mode)



Dynamic axle weighing:

see page A-1

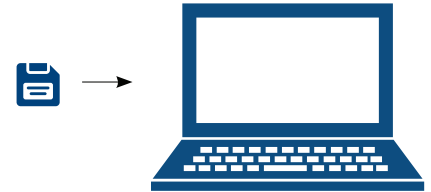
Automatic static axle weighing:

see page A-2

Manual static axle weighing:

see page A-3

3. Automatic save to PC using the "WeiMonitor" program



4.



N.	MATERIAL	CUSTOMER	BATCH	NET (kg)	DATE
1	APPLE	SMIDTH LTD	A22	1020	01-03-16
2	PEACH	WHITE LTD	A24	2276	01-03-16
3	BANANA	BLACK LTD	A22	6754	01-03-16
4	PEAR	RED LTD	S34	5498	01-03-16
5	KIWI	SMIDTH LTD	A27	6534	01-03-16

i

Communication between scale and PC occurs via RS232, USB, Ethernet or WiFi (see page 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.
- Includes the keyboard emulation function to enter the weight directly in the open document.
- Can record weights for preset periods and plot graphs.

Customising the weight indicator

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

- The main work screen, making it easy and user-friendly, 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.

Operational sequences

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

Example:

sequence which automatically requests the selection of the customer, of the material, filling in of free texts before recording the axles.

1.

2.

3.

4.

5.

6. Proceed with weighing.

Operational messages

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

GROSS		0	W1 #
10:00	kg		1
CUSTOMER			
SUPPLIER	AXLES (kg): N. 0		
MATERIAL	1: 2: 3: 4: 5: 6: 7:		
VEHICLE			
TARE	TOTAL		
kg	kg		
+0←	APPLY LABEL	→T←	
1. WEIGH	2. WEIGH	END	>>

GROSS		0	W1 #
10:00	kg		1
CUSTOMER			
SUPPLIER	AXLES (kg): N. 0		
MATERIAL	1: 2: 3: 4: 5: 6: 7:		
VEHICLE			
TARE	TOTAL		
kg	kg		
+0←	CLOSE PACKAGE	→T←	
1. WEIGH	2. WEIGH	END	>>

GROSS		0	W1 #
10:00	kg		1
CUSTOMER			
SUPPLIER	AXLES (kg): N. 0		
MATERIAL	1: 2: 3: 4: 5: 6: 7:		
VEHICLE			
TARE	TOTAL		
kg	kg		
+0←	WAIT...	→T←	
1. WEIGH	2. WEIGH	END	>>

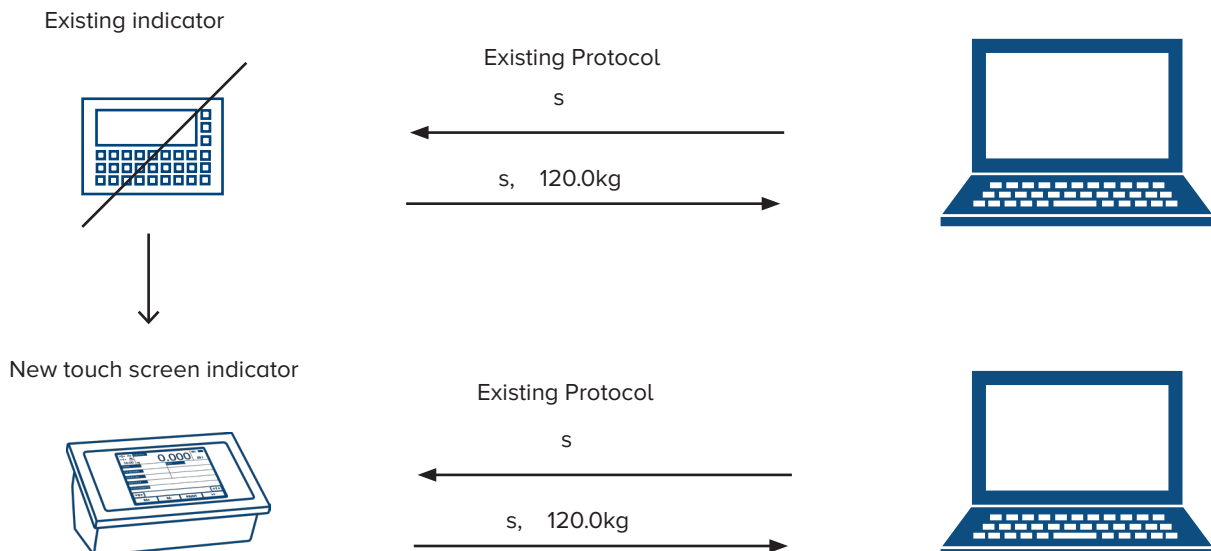
Application program

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

Customising the communication protocol


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

Example:



Fully customisable work screens

USE	Allows the operator to be shown only the information and operations required to perform the work correctly and without errors or to view all of the necessary information in real time.
APPLICATIONS	Useful to simplify any weighing application.
ACTIVATION	Activation requires advanced configuration.

GROSS		0	
kg			
PRESET			
kg			
NOTE			
CUSTOMER			
MATERIAL	SUPPLIER		
VEHICLE	FREE PLATE		
→0←			→0←
1. WEIGH	2. WEIGH	END	>>

GROSS			
kg			
PRESET		NOTE	
kg		ADDRESS	
CITY		LOT	
DRIVER NAME			
MATERIAL			
VEHICLE	FREE PLATE		
→0←			→0←
1. WEIGH	2. WEIGH	END	>>

GROSS		5000	
kg			
TARE		LOT	
kg			
MATERIAL			
		OK	
		1. WEIGH	2. WEIGH
→0←			→0←



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

Customising language / texts

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

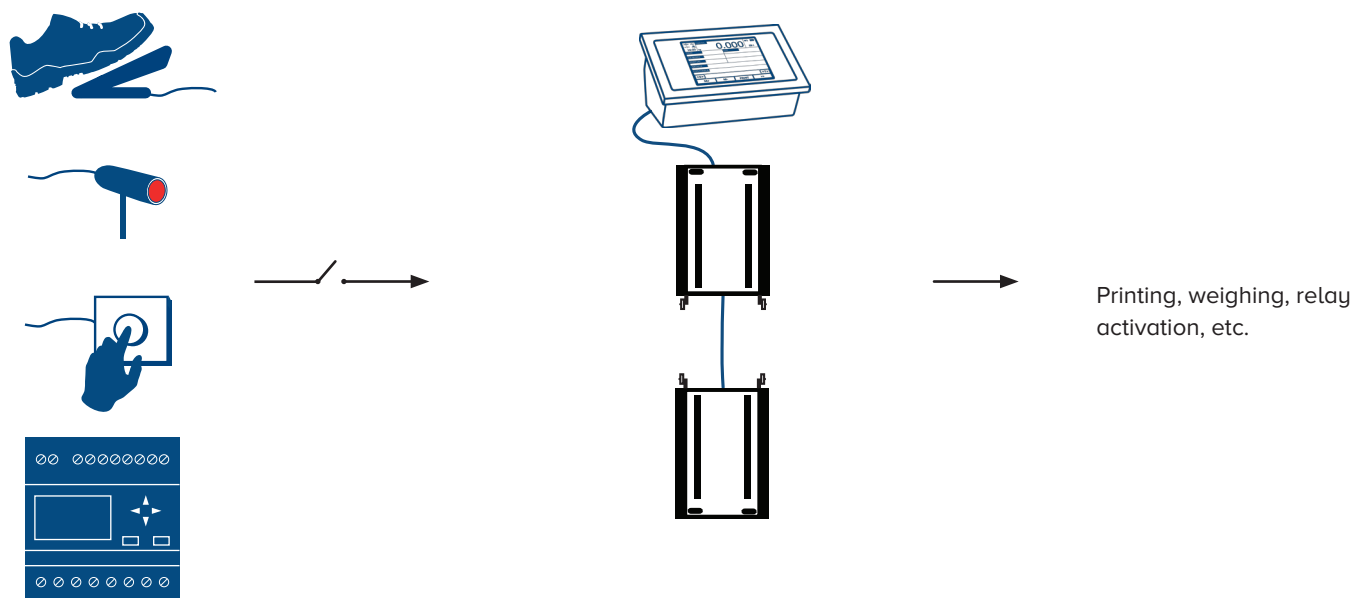


Managed page codes:

- Latin 1
- Greek
- Cyrillic
- Vietnamese

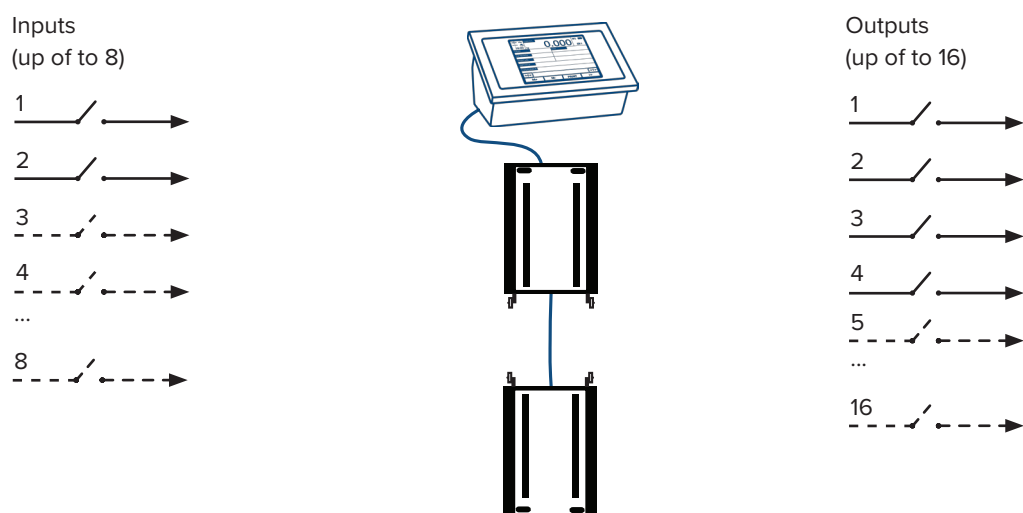
Digital inputs

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



Expanding inputs and outputs

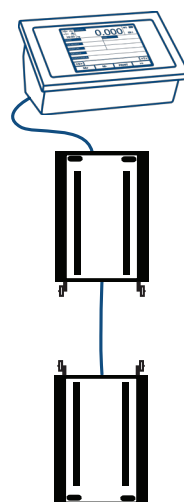
USE	Optional board that allows you expand inputs and outputs to simultaneously communicate with multiple devices, increasing the potentialities of the scale.
APPLICATIONS	Industrial automations.
ACTIVATION	Activation requires advanced configuration.



Expansion of power supply range

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

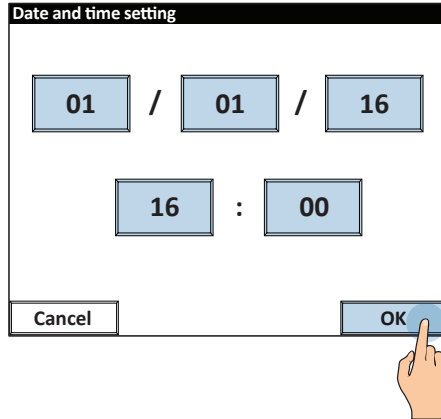
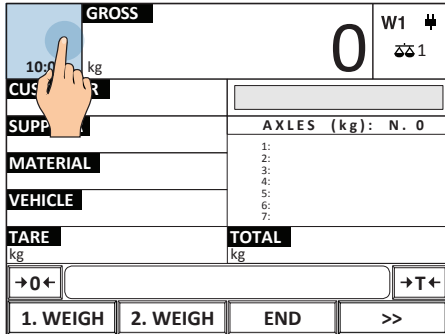
110/240 Vac
→
through internal
power supply
or
12 Vdc
→
directed to the
motherboard
or in option
8 - 40 Vdc
- - - - - →
directed to the
motherboard



Adjusting the date and time

ACTIVATION Standard active function.

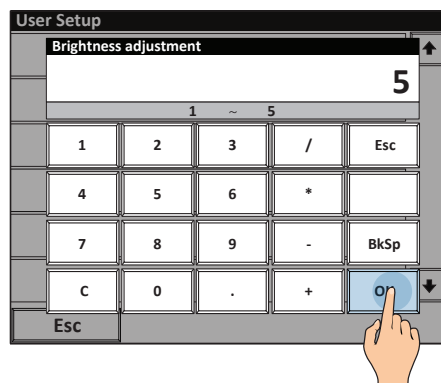
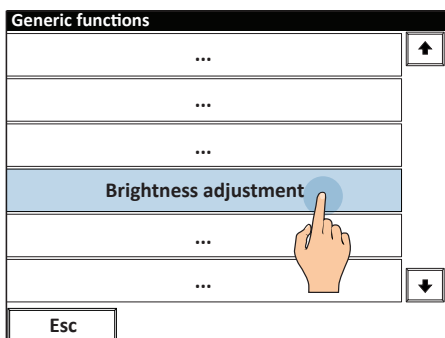
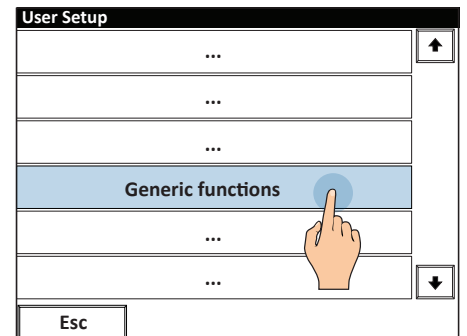
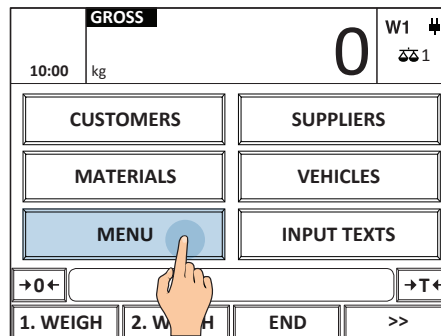
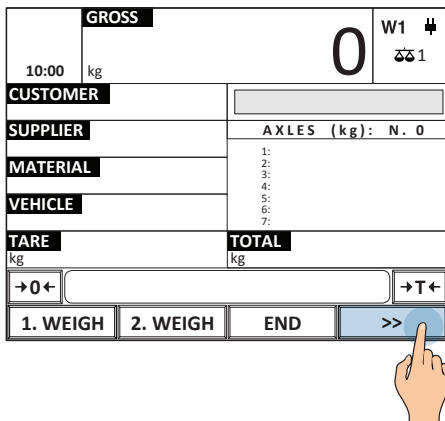
- 1.
2. Set date and time and press OK to confirm.



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.



Visual weight check in multiple colours

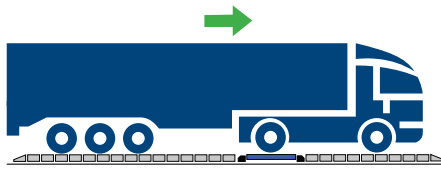
USE	Allows you to signal whether the weighbridge is free or occupied and if weighing was performed successfully.
APPLICATIONS	Self service working modes.
ACTIVATION	Standard active function.

Example of weigh

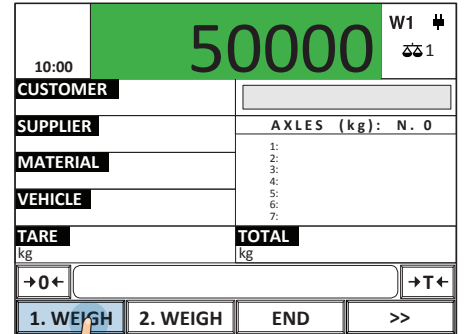
1.



2. The weight turns red if the axle is overloaded (manual or automatic static axle weighing).

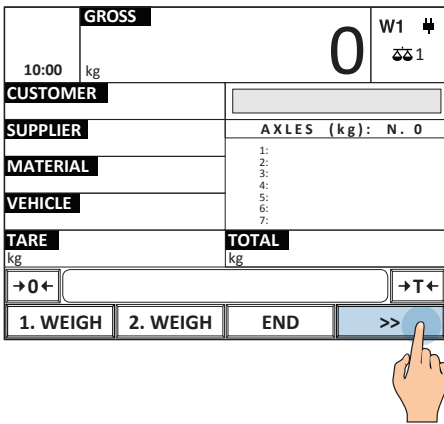


3. The weight turns green if the axle is not overloaded (manual or automatic static axle weighing).

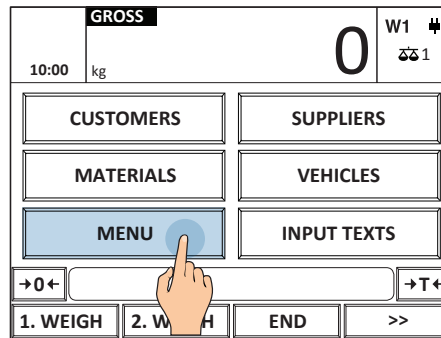


How to activate/deactivate the function

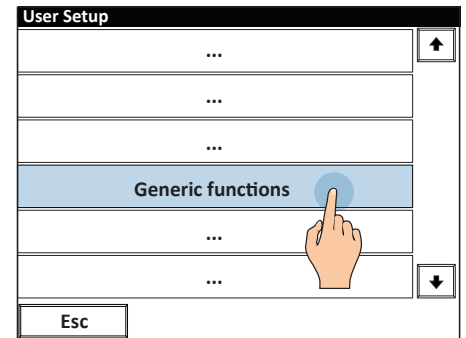
1.



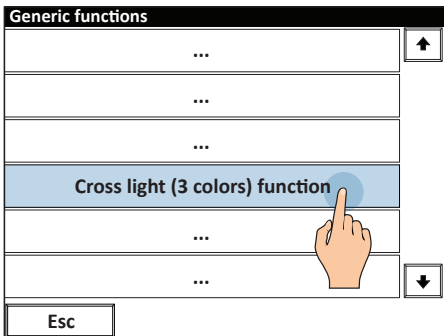
2.



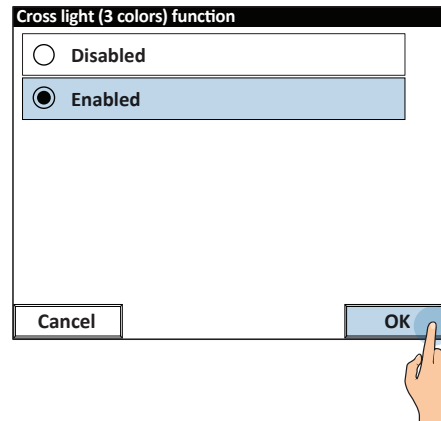
3.



4.



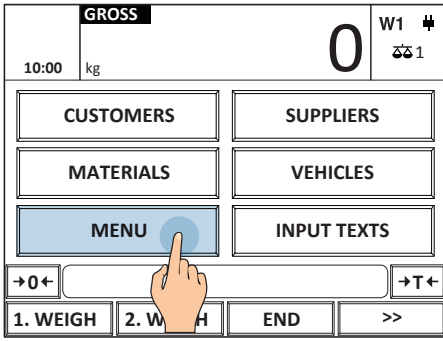
5.



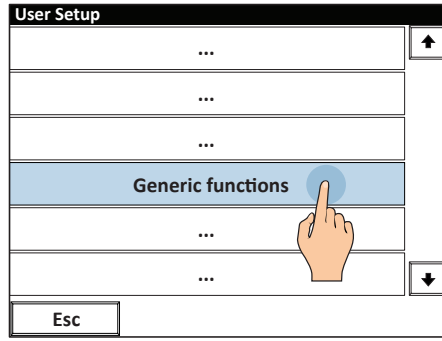
i This procedure also enables the three-colour light device, if any.

How to set the threshold below which the weighbridge is free

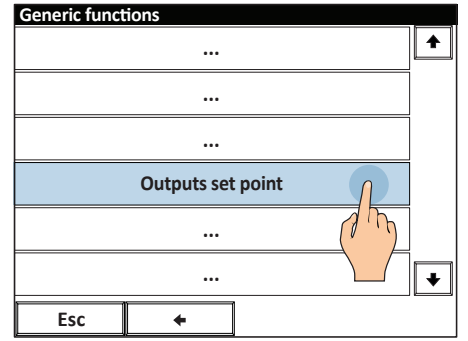
1.



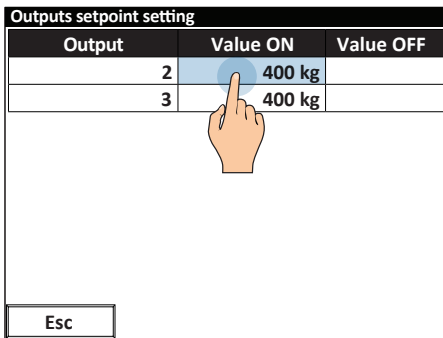
2.



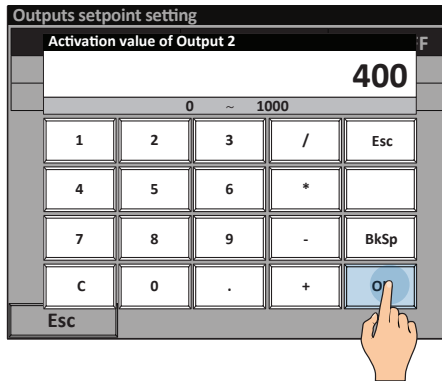
3.



4.



5. Enter the threshold and press OK to confirm.




i The "Output 2" threshold is automatically also copied in "Output 3".

Identification of the metrological software of the instrument


1.

GROSS		W1	1
10:00	kg		
CUSTOMER			
SUPPLIER	AXLES (kg): N. 0		
MATERIAL	1: 2: 3: 4: 5: 6: 7:		
VEHICLE			
TARE	TOTAL		
kg	kg		
→0←		→T←	
1. WEIGH	2. WEIGH	END	>>




2.

GROSS		W1	1
10:00	kg		
CUSTOMERS	SUPPLIERS		
MATERIALS	VEHICLES		
MFNU	INPUT TEXTS		
→0←		→T←	
1. WEIGH	WEIGH	END	>>




3.

User Setup	
...	↑
...	
...	
Diagnostic	
...	
...	↓
Esc	



4.

Diagnostic	
...	↑
...	
...	
Indicator information	
...	
...	↓
Esc	
←	



5.

EGT-APxx-ES	
Tipo instrumento	01
Versión metrológica software	01
Versión software	01.00.00
Hardware version	
Loader version	08
Serial number	2.08
Display Version	12345678
INTERNAL USE ONLY	01.00.00
g= 9.80390m/s2	
Esc	

Prefix: identifies the tool model

Version: identifies the legal software

FAQ - Frequently Asked Questions

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 (____ o ~~~~~)
- The scale was not unloaded after the last printing
- You are trying to print a non-approved weight

WEIGHING

Axle acquisition error

- The vehicle drives too fast on the platforms
- The vehicle drives too slow on the platforms
- Weight unstable, impossible to acquire the weight

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 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 "reset in progress" message

- The scale is unable to automatically reset the weight because it exceeds the maximum resettable weight at switch-on. Free the plate, turn the scale off and try again. If the scale continues to have the same problem even when there is nothing on it, contact the dealer.

The weight is unstable

- Check whether the weighing filter is active.
- If the support surface is subjected to vibrations from machinery or moving vehicles, move the scale onto another surface and try again.



Stamp of authorised support centre

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info@diniargeo.com

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service@diniargeo.com