EPELSA

User's Manual JUPITER

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1. INTRODUCTION

Dear User of the scale,

The performance of the equipment that you have acquired will be enhanced if you dedicate more attention to the use instructions included in this Manual.
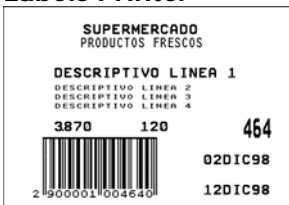
Please, break the common apathy towards manuals and don't wait until "everything goes bad" before consulting it. As a result of that, you could enjoy the maximum benefits from the very first weighing.

2. USE ADVICE

AVOID BLOWS TO THE PLATFORM	**DO NOT USE POINTED OBJECTS ON THE KEYPAD**	**AVOID SUN EXPOSURE**
DO NOT CLEAN THE SCALE WITH SOLVENT	**DO NOT POUR WATER DIRECTLY ON THE SCALE**	**DO NOT PUT THE SCALE UNDER VIBRATIONS**
TO ENSURE A CORRECT OPERATION, PLACE A WELL KNOWN WEIGHT ON THE PLATFORM AND CHECK THE ACCURACY	**TO CLEAN THE SCALE, USE A SOFT CLOTH MOISTENED WITH NEUTRAL PH SOAPY WATER**	
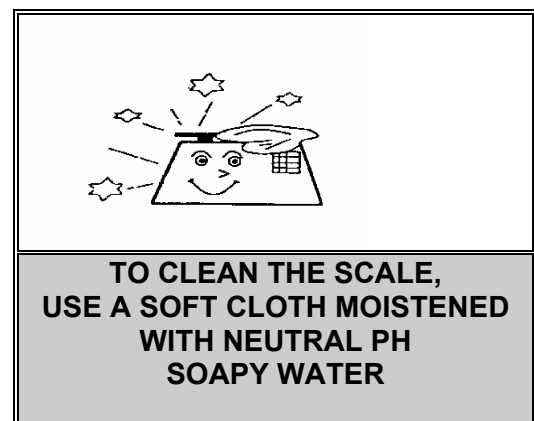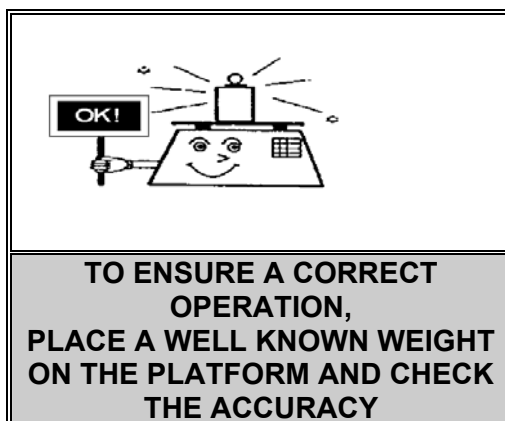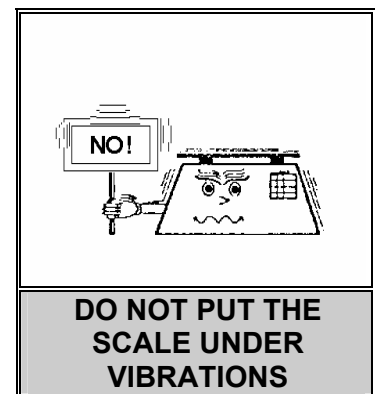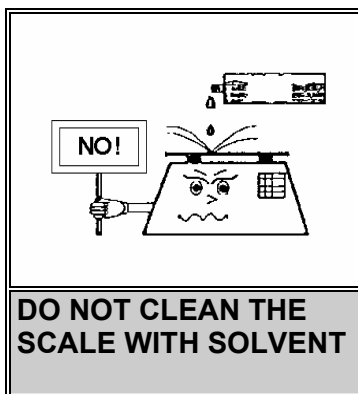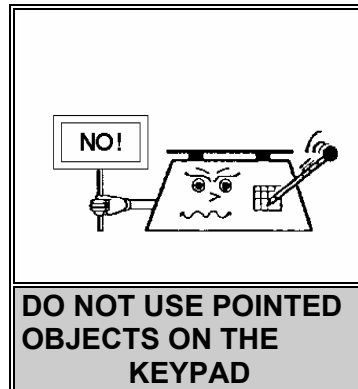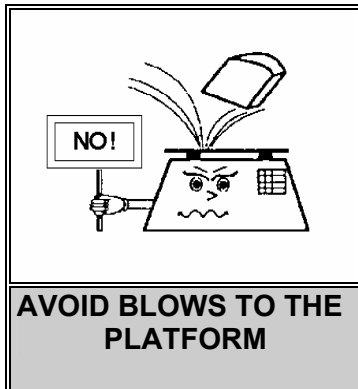
3. MAIN FEATURES

						JUPITER	

GRUPO EPELSA

Technical Data sheet

JUPITER

Capacities	6kg	15kg	30kg	6/15kg	15/30kg	12kg (6.000d)	30kg (6.000d)
Division	2g	5g	10g	2/5g	5/10g	2g	5g
Minimum load	40g	100g	200g	40g	100g	40g	100g
Max. Tare	3.000g	9.995g	9.990g	3.000g	9.995g	3.000g	9.990g

General features	Scale counter and hanging model, with thermal printer, label or both. Automatic go to zero, key to put to zero, and allows printing under minimum load according to calibration rules. Up to 10 scales interconnected trough Ethernet, compatible with every model of the range in the same network. Connection trough XDSL. RS232 communication port Connectable to PC, updates software version trough RS232 and Ethernet
DISPLAY	Alphanumeric Display with Back Light. Two lines, showing WEIGHT, PRICE and AMOUNT. Indicators of TARA, zero, stability.... And other alphanumeric line to show article texts and Menus. Possibility of showing offers and publicity. Programmable intensity of the backlight of the Display. , Possibility of displaying offers and continuous publicity.
KEYBOARD	98 keyboard, 49 of them are directs PLUs and 49 function keys. It is possible to create 10 DIRECT CHARTS for a quick Access to the PLU. 10 active vendors, stand-by function for switching off the scale keeping active the server of communications. 12 Direct programmable keys for direct functions. 11 V10 scale can be supplied with a 66 keyboard.
Programmable Data per PLU	Price of the article, description with a maximum of **1025 characters**, fixed text with a maximum of 250 characters, family, packing date, expiration date, best before date, bar code, internal code and PLU, Tare, VAT, stepped price, article's sales offer, Direct PLU, EAN code.
Memory	Microprocessor ARM/IINTEL386 with 2/4 Mb RAM memory, Database (Standard version): ❖ Receipts/tickets: 10.000 ❖ Ticket lines: 20.000 ❖ Bitmap: size 12 KB (2 Bitmap possible) ❖ Countries: 50 ❖ Price changes: 200

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	❖ Memorized tares: 10 ❖ Merchandise: 30 ❖ VAT: 5 ❖ Bovine: 255 ❖ Text: 34 ❖ Bar codes: 14 ❖ Vendor direct keys: 10 ❖ Vendors: 141 ❖ Orders: 200 ❖ Formats: 80 ❖ Packing: 8.300 ❖ Descriptions: ~ 30.000 ❖ Articles: 10.000 ❖ Clients: 500
Thermal Printer (tickets)	Graphic printer with programmable speed between 80-140 mm/s. Logo printing, negatives, bar codes EAN 13, EAN 128, CODE 128. 5 headings and 5 legend lines, Option to select report receipt.
Labels Printer	With the same characteristics as the ticket printer, labels configurable in size and availability of fields, with the possibility of printing on adhesive labels or on adhesive continuous paper.
Interface	Ethernet board 10/100 and RS 232 port. Interconnection with up to 10 scales via Ethernet, option for communication through the Electrical Network (CRE), connection to a scanner and a cash drawer. Connection to the HOST through Ethernet or serial cable RS-232
Features	Digital load cell with incorporated microprocessor. Program re-loadable through serial cable or Ethernet utilizing FLASH memory. Clock for date and time maintenance. Automatic centring of texts, redirection of labeller and printer. Configurable language, grouping of items by family (99), up to 141 vendors, configurable vendor registration, vendor names stored in the equipment, up to 99 operations per ticket, totals separated by ARTICLES, FAMILIES, VENDORS, HOURLY TOTAL, DAILY and ACCUMULATED SALES, TICKET. PLUs, departments, items, vendors, and other lists. Different sale modes: TICKET, SUPER, TOTAL ORDER, PACKING SELF-SERVICE. Discount per line or over the total. Different levels of configurable MENU with possibility for password restriction. Selectable language. Review and reprinting of closed tickets, ticket storage in autonomous mode, ticket report in reduced or enlarged format.
Operating Temperature	-10° a +40°C
Voltage	220V. (+10%, -15%), (other voltage possible)
Current Consumption	Between 40 and 60w
Frequency	50 / 60 HZ

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4. MODELS

This manual is applicable to all the models listed below, EUROSCALE and MERCURY range.

- ❖ JUPITER 11 V10
- ❖ JUPITER 20 V10
- ❖ JUPITER 10 RL
- ❖ JUPITER 20 RL
- ❖ JUPITER 22 V10
- ❖ JUPITER 22 RL

5. START

Due to the fact that the scale supplied includes an internal battery for the RAM memory, it may happen that once the scale arrives the battery has a low charge level. We recommend to ERASE RAM and keep the scale switched on for at least two hours before the installation.

During the start sequence the scale checks the peripherals' installed and during that testing process the principal display will show all the segments on.

If any error is detected in any scale's devices, the scale will start at 5 beeps sequence, one for every devise, in order to locate the peripheral with problems:

　　　　1 – Display
　　　　2 – Printer
　　　　3 – Error Communications network
　　　　4 – Malfunction of the load cell
　　　　5 – Keyboard failure.

If the devise works correctly, there will be a short beep. If there is a problem, the beep will be longer. Afterwards the scale will show the program reference and the password.

If the weight is not adjusted, the scale will not allow user operations but only entry in the menus. If the scale is connected to the network, the internal clock will be synchronized to the server scale's clock.

Note: If the scale is not adjusted correctly or an error occurs during the start-up sequence, contact your authorized Technical Service.

Then the scale will show the reference of the program and ask for the password.
If the weight is not adjusted the scale will not allow operations but allow entering into the menus. If the scale is in a nertwork the clock will adjust with the server clock..

6. DISPLAYS

6.1. LCD Alphanumeric display with Back Light
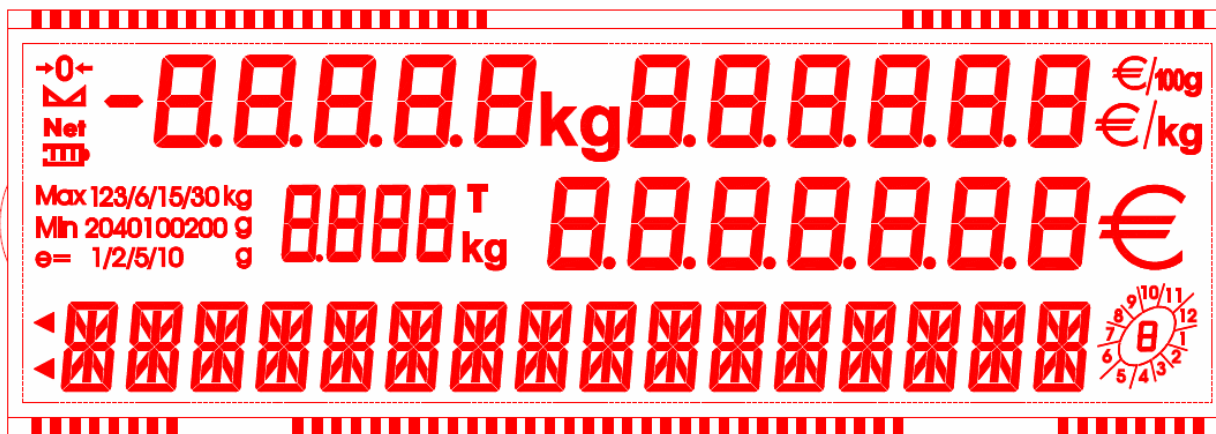
LCD Indicator, one Numeric line for weight-price amount, other line for Tare and a alphanumeric line with 16 characters.

DESCRIPTION MAIN INDICATOR (PRICE COMPUTING).

WEIGHT DIGITS: is the line that will indicate the weight in kilograms. The weight will be rounded up to 0, 2 or 5 grams, depending on how it has been programmed. When there is a sale transaction without any weighable items, the text 'NP x' will appear in the place of the weight digits, indicating the number of items.

PRICE DIGITS: They will appear touching the numbers on the keyboard or asking for an article already created.

TOTAL AMOUNT DIGITS: Knowing weight and Price per kg/100g the scale will calculate the total amount.

TARE DIGITS: Line of numbers indicating the value of the weight tarred.

CODE DIGITS: Series of numbers that indicates the code of the article we are asking for.

TARE INDICATOR: Activated when function tare is on.

INDICATOR CODE/PLU: PLUs or codes working modes are activated

INDICATOR WEIGHT ZERO: Centrals the zero on the scale.

INDICATOR FIXED PRICE: Fixed Price active or not.

INDICATOR NETWORK STATUS: Shows if the scale is connected to a network

INDICATOR STABILITY: Indicates if the weight in the plate is stable. .

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7. KEYBOARDS.

7.1.   98-Keys Keyboard: Departments.
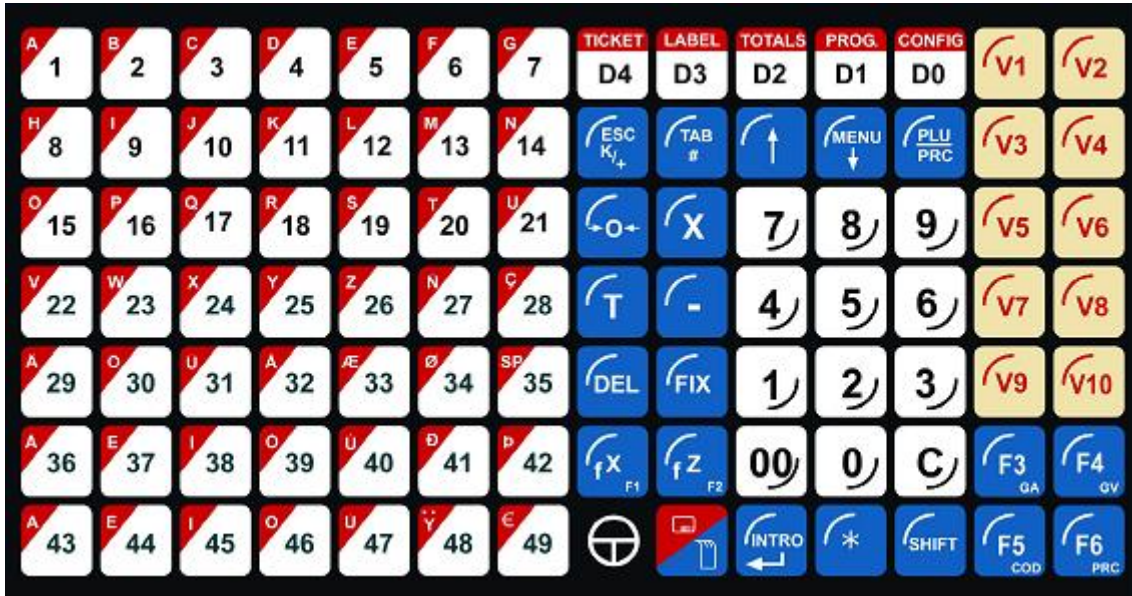
Program chart

A	B	C	D	E	F	G	o	,	.	@	-		
H	I	J	K	L	M	N	Esc	TAB	◀	▶	¿		
O	P	Q	R	S	T	U	<	x	7	8	9		
V	W	X	Y	Z	Ñ	Ç	T	-	4	5	6		
Ä	Ö	Ü	Å	Æ	Ø	SP	DEL	+	1	2	3		
Á	É	Í	Ó	Ú	Đ	Þ			£	0	C		
À	È	Ì	Ò	Ù	Ÿ	€			INTRO	TOTAL	SHIFT		

Program chart with [SHIFT] pressed:

a	B	c	d	e	f	g	a	;	:	|	_		
h	I	j	k	l	m	n		TAB	◀	▶	?		
o	P	q	r	s	t	u	>		/	(	)		
v	W	x	y	z	ñ	ç		-	$	%	&		
ä	Ö	ü	å	æ	ø	ƒ	SUPR		!	"	#		
á	É	í	ó	ú	ð	þ			¥	=	C		
à	È	ì	ò	ù	ÿ	ß			INTRO	TOTAL	SHIFT		

Note: In special polish keyboard, program chart will be as following:

Program chart

A	B	C	D	E	F	G	Ś	,	.	@	-	Â	Ă
H	I	J	K	L	M	N	Esc	TAB	◄	►	¿	Î	Ş
O	P	Q	R	S	T	U	<	x	7	8	9	Ţ	
V	W	X	Y	Z	Ń	Ć	T	-	4	5	6		
Ł	Ż	Ź	Ą	Æ	Ę	SP	DEL	+	1	2	3		
Á	É	Í	Ó	Ú	Đ	Þ			£	0	C		
À	È	Ì	Ò	Ù	Ÿ	€			INTRO	TOTAL	SHIFT		
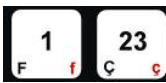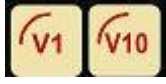
Program chart with [SHIFT] pressed:
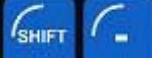
a	B	c	d	e	f	g	a	;	:	|	_		
h	I	j	k	l	m	n		TAB	◄	►	?		
o	P	q	r	s	t	u	>		/	(	)		
v	W	x	y	z	ñ	ç		-	$	%	&		
ä	Ö	ü	å	æ	ø	ƒ	SUPR		!	"	#		
á	É	í	ó	ú	ð	þ			¥	=	C		
à	È	ì	ò	ù	ÿ	ß			INTRO	TOTAL	SHFT		

7.2. 66-Keys keyboard: Departments.
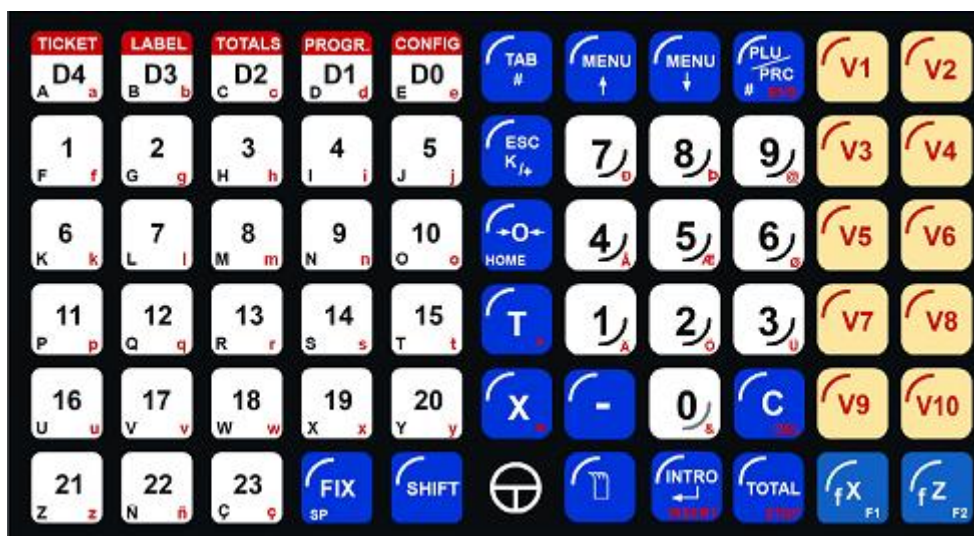
8. KEYBOARD FUNCTIONS

FUNCTON	KEYBOARD 98	KEYBOARDD 66
Direct PLU keys	[1] [49]	[1] [23]
Vendor total	[V1] [V10]	[V1] [V10]
Numeric Entries	[0] [9]	[0] [9]
Change keys function	[SHIFT]	[SHIFT]
Auto Zero	[O]	[O]
Entrance and advance in menus. Advances ticket revision	[MENU ↓]	[MENU ↓]
Move backward in menus Returns ticket revision.	[MENU ↑]	[MENU ↑]
Changes work type (PLU sor Prices).	[PLU/PRC]	[PLU/PRC]
Tare Function Save Data	[T]	[T]
Operations without weighing. Cancels selections.	[ESC K/+]	[ESC K/+]
Multiplication function	[X]	[X]
Subtraction function Lines cancelation	[-]	[-]
Deletion of indicators	[C]	[C]
Change of price of a programmed article.	[TAB]	[TAB]

FUNCTION	KEYBOARD 98	KEYBOARD 66
Total function (Sale Mode) Manual total clear (Packing)	＊	TOTAL
Manual total without clearing (Packing) Fixed price (Sale)	FIX	FIX
Validation key. Subtotal function. Entry for ticket revision..	INTRO	INTRO
Cash drawer (Sale)	SHIFT FIX	SHIFT FIX
Manual or numeric Tare	SHIFT T	SHIFT T
Change of PLU table	CONFIG D0 TICKET D4	CONFIG D0 TICKET D4
Registration and removal of vendor	SHIFT V1 V10	SHIFT V1 V10
Client function (Labelling)	SHIFT C	SHIFT C DEL
Bovine function (Labelling)	SHIFT X	SHIFT X
Paper Reload (Tickets printer)		
Toggles between menu options (Change key)	TAB	TAB
Payment	SHIFT V9	SHIFT V9
Reimbursement	SHIFT V10	SHIFT V10
Stand-by	⊖	⊖
Discounts	SHIFT INTRO	SHIFT INTRO
Reload of labels	SHIFT	**Not available**
Toggles menu options (reverse change key)	SHIFT TAB	SHIFT TAB
Reload ticket	SHIFT	SHIFT
Alternative currency display.	SHIFT PLU PRC	SHIFT PLU PRC

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FUNCTION	KEYBOARD 98	KEYBOARD 66
Great Total (28)	fX F1	fX F1
Erase Totals (36)	fZ F2	fZ F2
Great Totals of Articles (22)	F3 GA	F3 GA
Great Totals of vendors (21)	F4 GV	F4 GV
Progr.Articles 11)	F5 COD	F5 COD
Change of Prices (65)	F6 PRC	F6 PRC
Erase of tickets (34)	SHIFT fX F1	SHIFT fX F1
Opto adjust (51)	SHIFT fZ F2	SHIFT fZ F2
Hourly Great total (23)	SHIFT F3 GA	**Not available**
Listo f Tickets (29)	SHIFT F4 GV	**Not available**
Listo f Articles (70)	SHIFT F5 COD	**Not available**
List of changed prices (69)	SHIFT F6 PRC	**Not available**

9. EDITING KEYS

The following table shows the different possibilities of text editing during the programming of the keys:

FUNCTION	66-KEYS	98-KEYS	DESCRIPTION
Key change	TAB		Choose total data
Clear item key	CL		Completely deletes an item
Delete key		F2	Clears current character
Backspace key	DEL		Clears previous character
Shift key	SHIFT		Change of Editing table 1
Home key	HOME (Shift +C)	→0←	Go to the 1st character
End key	Shift + →0←		Go to the last character
Right character key		SHIFT + Menu →	Go to the next character

Left character key	SHIFT + ←	Go to the previous character
Space key	SP	Write a blank character
Alphabetical character	A a … Z z	
Numeric character	0 … 9	
Special characters key	(… :	
Insert	Shift + INTRO	Toggles between insertion or substitution of character

10. FUNCTION MODES.

This range of scales could function in two distinct modes:

Work in a network
Work in local mode

In a network mode, a scale could be connected via cable to up to 58 scales. In this network, the vendor could operate in different scales using only one counter as if there was only one scale. The database is part of the entire network, so when a price is modified in one scale it is modified instantaneously in all connected scales.

In local mode, the scales work independently from each other. It is possible to have a scale configured in a network working in a local mode permanently or temporarily due to a momentary equipment disconnection.

The transactions done in network mode are stored separately from the ones done in local mode.

10.1.   Working in Ticket mode

The ticket mode is selected by pressing the Shift + TICKET keys. The type of mode is memorized even if the scale is turned off.

Inside the Ticket mode there are three sales types:

Sales Mode
A mode consisting of addition of different operations using only one vendor. A ticket is printed out detailing all the operations conducted.

Mixed Mode
This mode is only used in scales with double printer (labeler + ticket printer). It functions the same as in Sales mode, with the only difference that in addition it prints a label for each operation and a label with the total.

Super Mode
In this mode when an operation by a vender is completed, it is totaled automatically and a ticket of a single line is printed out.

10.2.   Working in Labels mode

Automatic Packing mode
First select the vendor and the article to be labeled. Then each time the weight on the plate changes, a new packing label will be printed out. If the article is not weighable, the operation should be completed manually by pressing the <> key.

Manual Packing Mode
First select the vendor key and the article to be labeled (it is possible to change price, tare, etc). Then each time the weight on the plate changes, a new packing label will print out by pressing the vendor key.

For same price products, the vendor key needs to be pressed to conduct each operation.
For weighable products, the vendor key needs to be pressed alter placing the product on the scale.

NOTE: It is not possible to change the vendor without doing a total.

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10.3. Price/Article Entry

The price entry could be done in two ways:
- By entering the price directly
- By entering a PLU number or a previously programmed code

The scale shows the amount of the operation by calculating the price and the weight or the units and then it displays it on the Weight-Price-Amount indicator.

If the amount is too large to be visualized in the indicator, it will only show dashes in the amount's place.

PLU/PRC SELECTION

The PLU/PRC key is used to switch between entering direct prices and entering articles or selecting an article through its EAN 13 or 8 code.

All the entries of the EAN code need to have the correct check digit.
An article could be programmed with its EAN13 or EAN8 code.

DIRECT INTRODUCTION OF PRICES
The pressing of the numeric keys will be considered as sale prices per weight or per unit.

SELECTION OF PROGRAMMED ARTICLES.
The pressing of the numeric keys will be considered as article codes or PLU numbers in the function of configuration.

The scale waits for the number codes of programmed digits in 'Code digits' (6 by default). If fewer digits than the programmed are used, press INTRO after the article code.

The scale shows the text and the article code.

If the article code uses all the number of programmed digits, it will automatically show the desired article after introducing the last digit.

If zeros are introduced to the left until completing the required number of digits, the indicators will show the desired article.

Note: If the access to the articles is by PLU, then it is necessary always to press INTRO.

ACCESS TO DIRECT ARTICLES.
In order to use direct articles, they must have been previously assigned to articles in the menu option 'Direct PLUs.'

The scale shows the text and the code of the article assigned to the pressed key.

CHANGE IN THE KEY TABLE.
The scale has 10 tables, 80 keys in each one, to be assigned to the different programmed articles. The number of accessible key per table depends on the actual keyboard of the scale. (In the keyboards of 98 keys, 49 direct keys per table; in the keyboards of 66 keys, 29 direct keys per table).

The newly selected table remains active until it has been changed with another one.

In case of an error when introducing the table, press the clear key.

For a quick access to the tables, press the change of table keys (D0 to D4), and/or SHIFT + the number of the table (0-9).

The scale shows the selected table during a few seconds.

NOTE: The selected table remains in memory even if the scale is turned off.

TEMPORARY CHANGE IN THE PRICE OF AN ARTICLE.
This function allows changing the price of an article for the current transaction. The programmed price in the database will not be modified.

This function could be activated/deactivated in the menu ' Configuration of Operative System.'

Press the change of article price key (TAB) followed by the new price.

In case of an error in introducing the price, press the clear key (**C**).

ARTICLES WITHOUT SALE PRICE.
In order to be able to program articles without sale price, it is necessary to activate the option "Zero Price' in the menu 'Configuration of Operative System.'

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When an article is programmed with a zero price, it will be necessary to introduce the price during the transaction. The operation is the same as in the earlier situation, but without the need to previously press the change of price key.

10.4.   Printing *Printing of tickets:*

Printing done with a printer of tickets (continuous thermal paper). Possibility, depending on the mode, to print various lines and total them.

Printing of labels: printing done with a label printer. Printing of one label per each operation.

Scale with printer: prints tickets by default. It is possible to redirect the labels to the printer. In that case, the labels will be printed on continuous thermal paper.

Scale with a labeler: prints labels by default. It is possible to redirect the printing of tickets to the labels printer. The sale tickets will be printed out from the labeler on a continuous thermal paper.
If sale tickets are redirected to a labeler, the direct function 8 needs to be use to reload the continuous paper in the labeler.

Note: The redirecting of the printer is done through the Ticket or Labels Menu depending on the case.

10.5.   Operating modes Sale, Mixed, and Super

In the modes sale and mixed, the scale acumulates all the operations done by a vendor each time that the vendor key is pressed. The summation ticket will print out when the total of a vendor is requested. If the system is in mixed mode, the printer will print a label per operation and a label of the total. The super mode is the same, with the difference that it cannot print a total, because each operation is automatically totaled and printed out in a ticket and/or label.

SUMMING OPERATION.
The summing operation accumulates the transactions done by the vendors by pressing the corresponding vendor key. If the operation is executed correctly, the scale beeps twice.
In the sale and mixed modes, the first operation with a customer opens up a new ticket. In the super mode, it opens and closes it automatically.
If the scale is working in a local mode, the auxiliary indicator will show the legend:

Correct Local Line

If the scale is working in a local mode, the auxiliary indicator will show the legend:

Correct Line

Possible errors:

Error	Description
Incorrect key	The key is not assigned to a vendor
Vend does not exist	The vendor assigned to key does not exist
Amount error	Amount over or below the limits
Zero amount	The amount cannot be zero
System error	Serious error in the configuration of the network of scales
Local: Ticket annulled	The scale is in local mode: the open ticket is canceled
Total amount error	The sum total exceeds the limits
Disconnected sales	Sales disconnected (see 'activate sales permision')
Line not saved	The memory reserved for tickets is full.

The message 'Local: Ticket is canceled' appears when a scale in the network looses the connection. The ticket that was started in the network is eliminated and a new ticket needs to be initiated in local mode.

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Possible printing errors:

Error	Description
Error in request for ticket	There is an error when the ticket needs to be printed
Labeler error	The labeler is giving an error or is missing paper ('reload paper')
Printer error	The printer is giving error or is missing paper ('reload paper')

Possible errors in totaling (super mode)

Error	Description
Ticket error	The server scale cannot be found when totaling (see 'configuration of network'')

Summing of weighed products.

To complete an operation with weighing, the weight on the plate needs to be stable. Once the article or the price is displayed, press the vendor key.

In super mode a ticket or a label of the operation will print out.

In mixed mode, a label of the operation will print out.

The conditions for doing a new operation, (pass zero, weight variation, etc.), are configurable by the technical service.

The selection of an article could be deactivated or the introduced price cleared by pressing the clear key.

If the price has been introduced manually, pressing the access key in constant mode, the scale will begin working in a non-weighing mode with the same price that it had in weighing mode.

Possible errors in the summing of weighed articles:

Error	Description
Error in weighing	The weight has not been changed between weighing and weighing.
Labeler error	The labeler is giving an error or is missing paper ('reload paper')
Printer error	The printer is giving error or is missing paper ('reload paper')

Sum of unweighed products.
Operation in constant mode working with price entry.
Enter in this mode with the key (K/ESC) for access to constant mode. Enter the price and press the vendor key.
Operation in constant mode working with programmed articles.
In this mode the product is already programmed as an unweighed, so it not necessary to press any function key. Just select the unweighed article and press the vendor key.
A ticket or a label of the transaction is printed out in **Super Mode**.
A label of the transaction is printed out in **Mixed Mode**.
Press the clear key to unselect an article or clear the entered price.

Multiplication of unweighed products.
This function allows the accumulation of various units of unweighed products in a single transaction. It is done through constant mode with price entry and through constant mode with programmed articles.
Once in the mode, press the multiplication key (**X**), followed by the number of units and the vendor key.
A ticket or a label of the transaction is printed out in **Super Mode**.
A label of the transaction is printed out in **Mixed Mode**.
Press the clear key to unselect an article or clear the entered price.

Fixed price function.
This function allows keeping active a price or an article selected for consecutive operations. It is activated by pressing the price fix key (**FIX**) when the price is displayed.
The function is deactivated by pressing the clear key (**C**) or by pressing the (**FIX**) key again.

Return of an article. Subtraction function.

This function allows for the subtraction of weighable and unweighed products. It is equivalent to a negative sale transaction and it could be used for returning articles.
The procedure is exactly the same as the adding operations, with the only difference of having to press the subtraction key (**-**) before adding the item, followed by the vendor key.

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A ticket or a label of the transaction is printed out in **Super Mode**.
A label of the transaction is printed out in **Mixed Mode**.
Press the clear key to remove the (**-**) sign.

Discount function in the sale line.

In order to allow partial discounts, the option "discount in ticket" needs to be selected (ON) in the configuration menu of Scale\Ticket.
Once the article is selected, press the discount keys (**SHIFT+INTRO**), and then the discount value (%)

```
Manzana Golden
  4.115        150              617
  Dto. 10%                     -62
```

In the ticket will appear the line:
If discount is already programmed in the sale line (see programming discounts menu), then when the discount keys are pressed, the scale will show during a few seconds the value of the discount that is being applied "Disc. line 5." After that it returns to normal procedure.

SUBTOTAL FUNCTION.

In **Mixed** and **Sale** modes, the subtotal function allows consulting the number of operations and the amount accumulated up to that moment in a purchase order. Enter in the subtotal function from the Weighing mode by pressing the subtotal key (**INTRO**) and then the vendor key.
From Subtotal Mode:
Press the (**K/ESC**) key to return to Weighing mode.
Press the subtotal key (**INTRO**) to enter in the 'Revision of ticket' function.
Press the total key (*****) to finalize the order and print out the corresponding total ticket.

Possible errors:

Error	Description
Incorrect key	The key is not assigned to a vendor
Vendor does not exist	The vendor assigned to key does not exist
System error	Serious error in the configuration of the network of scales
Ticket error	The server scale cannot be found when totaling (see 'configuration of network'')
Local: Ticket annulled	The scale is in local mode: the open ticket is canceled
Disconnected sales	Sales disconnected (see 'activate sales permission')
Error in request for ticket	There is an error when the ticket needs to be printed
Labeler error	The labeler is giving an error or is missing paper ('reload paper')
Printer error	The printer is giving error or is missing paper ('reload paper')
Subtotal not done	Error in asking for the subtotal (there is no ticket...)

TOTAL FUNCTION

The total function prints the ticket of the total with the operations executed by a vendor in a single order.
There are two types of totals: the Normal total and the Total ordered.
Normal Total
Pressing the total key (*) in Weighing mode prints the accumulated total by a vendor from the previous request of total in Mixed and Sale modes.
Press the (**K/ESC**) key to cancel the request for total.
Press the vendor key to view and print the total of the vendor.
The vendor's name is displayed only if it has been programmed earlier.

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	Logo
	Up to 5 lines of heading.
	Vendor, scale, ticket number.
	Date and time.
	Transactions details
	Number of transactions and Total.
	Name of vendor and type of ticket.
	Up to 5 lines of legend.
	Configurable Bar code.
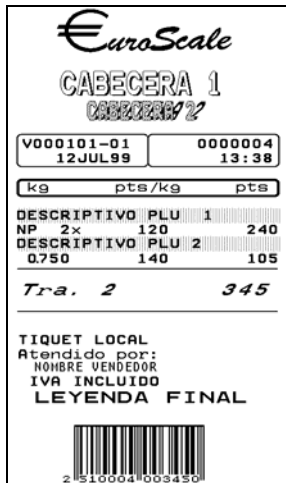
	Logotipo
	Hasta 5 líneas de cabecera.
	Vendedor, balanza, número de tiquet.
	Fecha y hora.
	Detalle de operaciones.
	Número de operaciones y total.
	Nombre del vendedor y tipo de tiquet.
	Hasta 5 líneas de leyenda.
	Código de barras configurable.

The scale prints a ticket of the total with detailed information of all the transactions.
An additional label of the total is printed in **Mixed Mode.**
The ticket closes automatically when it prints out.
If the procedure is done correctly, the display will show:

Total Finalized	Correct total in network mode
Total Local	Correct total in network mode
Backup scale	Correct total in network mode. Backup scale is not found. See 'Network configuration'

If the printing of the ticket ends correctly, the ticket will close and the sales done in that ticket will be accumulated in the corresponding totals.
If there is a problem during the printing, like paper running out or power shortage, the ticket will remain open and it could be printed out later by pressing the total key and the vendor key. The ticket will indicate that is a duplicate copy of the total.
If the printing problem comes from a network scale, the re-printing could be done only from that same scale.
If a ticket has been left open and it is requested from a different scale in the network, the scale will ask for confirmation to cancel the ticket that has not been printed properly:
Press the (K/ESC) key to cancel the request for ticket.
Press the subtotal key (INTRO) to delete the ticket (it will have to be entered again)

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Possible errors:

Error	Description
Incorrect key	The key is not assigned to a vendor
Vendor does not exist	The vendor assigned to key does not exist
System error	Serious error in the configuration of the network of scales
Ticket error	The server scale cannot be found when totaling (see 'configuration of network'')
Local: Ticket annulled	The scale is in local mode: the open ticket is canceled
Disconnected sales	Sales disconnected (see 'activate sales permission')
Error in request for ticket	There is an error when the ticket needs to be printed
Labeler error	The labeler is giving an error or is missing paper ('reload paper')
Printer error	The printer is giving error or is missing paper ('reload paper')
Total not done	Error saving the ticket or the ticket does not exist

Total Ordered

This total ordered allows to select tickets that are not going to pass trough the POS (they are orders from a customer) The total ordered will be registered in the total report. Pushing twice the key (*) from weigh mode, the operative is the same tan for standard total report. The ticket will show a message indicating it is an order.

Printing the Receipt.

The receipt is a simplified ticket of the sales done by a vendor. It is printed out in **Mixed** and **Sales Modes** if it has been activated in the 'Ticket Configuration' Menu.
After it prints out the ticket the scale will show a message asking to print out a receipt:
Press the (K/ESC) to cancel the printing of the receipt.
Press the subtotal key (INTRO) to print the receipt.

Note: A ticket could also be printed in Super Mode if the printing is done in a ticket printer.

Discount over the total of a ticket function

To allow partial discounts, the option 'ticket discount' in the ticket configuration menu needs to be selected (ON).
In Subtotal mode, press the discount keys (SHIFT + INTRO) and the value of the discount (%). Press the total key to finish the ticket.

At the end of the ticket appear the following lines:

```
Tra.    1           4500
 Dto.  5%           -225

Tra.  1         4275
```

The discount disappears once the subtotal is exited (without doing a total).
The lines cannot be deleted once the discount is entered.
The discounts on the total will disappear when the ticket is reloaded.
The discount amounts are saved in a separate file. This value is printed in the counter and system reports.
If the discount on the total is programmed (see Programming discounts menu), the scale will show for a few seconds the value of the discount "Disc total 4" once the discount keys are pressed. After that, the scale return to normal procedure.

LOADING THE LAST TICKET

In Sale and Mixed mode, this function allows the loading of the last ticket of any vendor for its re-printing and modification.
Press the load of ticket key (SHIFT + -) and then the vendor ticket. **If there is no weight over the plate, press directly the vendor key.** The scale will ask for confirmation to load the ticket.
Press the (K/ESC) to cancel the load of the ticket.
Press the subtotal key (INTRO) to proceed with the load.

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REPRINTING OF THE LAST TICKET

In **Sale** and **Mixed mode**, this function allows the reprinting of the last ticket of any vendor. Press directly the vendor key without any weight on the plate. Then press the TAB key and the scale will ask for confirmation to print the ticket.

Press the (K/ESC) to cancel the reprinting.

Press the (INTRO) key to continue with the reprinting of the ticket.

10.6.   Packing Operative Mode

The Packing mode is designed to work with labeling scales. An adhesive label, containing information of the product and the operation, is printed out for each operation.

The labels in packing mode are printed out automatically. If working with weighable articles, a label will print out each time the weight on the plate varies. The variation of the weight depends on how it is configured in 'Weight adjustment' (Consult with Technical Service). The unweighed articles are labeled each time that that the article changes or a new price is entered.

To begin with the packing of products it is necessary to select the vendor.

To change the vendor it is necessary to first total the operations of the active vendor. **Note:** If working with a scale with a ticket printer, it is possible to redirect the printing of labels to the printer. Then the printer will print labels on continuous thermal paper. The redirection of printers is done in the Labels menu.

Possible errors:

Error	Description
Incorrect key	The key is not assigned to a vendor
Totals not cleared	Execute a total before changing the vendor
Vendor does not exist	The vendor assigned to key does not exist
Amount error	Amount above or below the limits
Amount Zero	The amount cannot be zero
Total amount error	The total amount of the label exceeds the limits.
Disconnected sales	Sales disconnected (see 'activate sales permission')
Line not saved	No space in the database
System error	Serious error in the configuration of the network of scales
Ticket error	The server scale cannot be found when totaling (see 'configuration of network'')
Local: Ticket annulled	The scale is in local mode: the open ticket is canceled
Labeler error	The labeler is giving an error or is missing paper ('reload paper')

PACKING OF WEIGHABLE PRODUCTS

Select an article to package or a price of a product depending on the case. To work with direct prices it is nesesary to press the validation key (INTRO) before beginning to label. After that, a label will print each time that the weigh on the plate varies. The variation of weight depends on how it is configured in 'Weight adjusment' (Consult the Technical Service).

Example of a label (weighable product)

The scale prints a label with the format assigned to the article or if not assigned the default of the scale.

All the labels are completely editable and could be updated through RS-232 or the Ethernet.

Press the key C o K/ESC to print the label of the selected product and continue with a new product.

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PACKING OF UNWEIGHED PRODUCTS

When working with unweighed products, the scale prints a label automatically when the product is selected or the entered price is confirmed. Weighable

Example of a label (unweighed product)

```
        SUPERMERCADO
      PRODUCTOS FRESCOS

   DESCRIPTIVO LINEA 1
   DESCRIPTIVO LINEA 2
   DESCRIPTIVO LINEA 3
   DESCRIPTIVO LINEA 4

   3.870     120        464

                     02DIC98

                     12DIC98
  2 900001 004640
```

The scale prints a label with the format assigned to the article or if not assigned the default of the scale.

All the labels are completely editable and could be updated through RS-232 or the Ethernet.

Enter a new price or an article to start a new operation.

PACKING TOTAL REPORT

This function allows totaling a series of labels done by a vendor.
It is necessary to total all operations completed before changing the vendor.
There are two types of totaling:
Manual: Press the corresponding totaling key (*).
Automatic: When certain conditions of programmable pre-selection have been reached (see Label menu\ Pre-selection).

The scale could do a manual total only when there is a given pre-selection activated. In this case the scale asks for confirmation.

Possible errors:

Error	Description
Labeler error	The labeler is giving an error or is missing paper ('reload paper')

Note: The scale has four label totalling formats stored. One is for the manual total and the rest are for the 3 types of pre-selection totals. All these labels could be configured in a computer and updated through RS-232 or the Ethernet.

Manual packing total

Before totaling it is necessary to clear the price or the article with the clear key.

Total label with clearing

In Weighing mode, press the total key (*).

Example of Total 1 Label

```
        SUPERMERCADO
      PRODUCTOS FRESCOS

      Etiqueta total

      3                993

                  03DIC98
  2 900000 009936
```
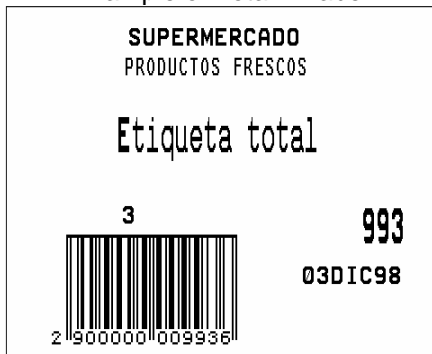
The total label prints out (Configurable format Total 1) and the accumulated total is cleared.

La balanza permitirá cambiar el vendedor operativo.

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Total label without clearing
Press the price fix key (**FIX**).
Print a Total label (Configurable format Total 1), and the vendor total is not cleared. The following operations will accumulate to the same vendor.
It is possible to edit the total label print form in the function of the Menu 'Configuration of pre-selection'.

Automatic
Functions in the same way as explained earlier.
Non-Automatic
Press the total key and the scale will display the total and will wait for confirmation.
Press the subtotal key (INTRO) to complete the total.
Press the cancel key (**K/ESC**) to return to labeling mode.

Packing Total Pre-seleccion.
The packing total by pre-selection allows completing the function 'Total without clearing' automatically when completing certain conditions.
The pre-selection types are:
- By number of labels
- By weight
- By amount

Three different levels of totals could be configured in each type of pre-selection. This way a total is executed each time that one of the configured levels is completed. Once all three levels are completed, the scale returns and starts again with level 1.

The existing different totals are:
TN1, TN2, TN3 for pre-selection by number of labels.
TP1, TP2, TP3 for pre-selection by weight.
TI1, TI2, TI3 for pre-selection by amount.

The labels that will print out are:
Level 1: Configurable format Total 2.
Level 2: Configurable format Total 3.
Level 3: Configurable format Total 4.

It is necessary to press the subtotal key to print the labels if the option 'Automatic' in the 'pre-selection menu' is not activated.
The configuration and activation of the pre-selectable options is done through the Label menu\ Pre-selection.
Note: When programming articles, it is possible to activate a pre-selection total by number of labels that is independent for each product. This type of pre-selection has priority over any other pre-selection that the scale may have active at the moment.

Packing Total Pre-seleccion.

11. SCALE FUNCTIONS

START-UP SYNCHRONIZATION.

This function is executed automatically when the scale starts, as long as it is working in network.
During the start-up synchronization, the scale synchronizes the date and time to the server scale.
If the server scale cannot be found, the following temporary message will appear:

```
Scale alone
```

If the configuration of the network is incorrect, the following message will appear:

```
Error configuration
```

11.1. Change function

To have the change function enabled it has to activated in the menu 'Configuration/Scale/ Forms of payment'. It is only available in **Sale, Mixed** and **Super Modes.**
Once the ticket is printed, the function will ask for the entry of the money given by the customer. Until the customer's cash is entered, the indicators will continue to show the amount due and the text "ENTER AMOUNT", and the change to be returned. At the end of the ticket, the amount given and the amount returned will appear at the end of the ticket.
NOTE: If a ticket is re-loaded, depending on how change function is configured, the change will be calculated over the amount value or over the difference between the original ticket and the re-loaded one.

By selecting the options:
- "**SUM**": Next to the text "Amount due" only appears the difference between the original ticket and the reloaded one. The difference could be negative if there is a return after the ticket has loaded.
- "**YES**": It is not taken into an account whether the ticket is reloaded. The amount due will always refer to the total of the actual ticket.
In both cases, the total amount of the actual ticket will appear in the upper line.
The entry is corrected by pressing the clear key (**C**).
The total could be finalized without the function change by pressing the (**K/ESC**) key.

Possible errors:

Error	Description
Amount error	Amount above or below the limits
Amount Zero	The amount cannot be zero
Printer error	The printer is not connected or is missing paper

11.2. Ticket Revision

This function is only available in **Sale** and **Mixed Modes**.
The revision of the ticket allows the display of each line of all the operations done by a vendor in a single order. If necessary, the lines could be deleted.
To enter in the revision function, press the revision keys (**INTRO + Vendor + INTRO**) in Subtotal mode.
Press the advance and backward keys (Forward and Backward Menu keys) to review the ticket lines.
If it is a programmed article, the indicator will show the description of the article. If it has not been programmed, it will show:

```
Ticket revision
```

Press the **K/ESC** key to return to subtotal mode.

Cancelling Operatios

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This function allows deleting sale lines from a transaction in revision mode. Once the line is displayed, press the delete key (-).
In case of an error, press the deletion key again to cancel the deletion.
Press the **K/ESC** key to return to subtotal mode.
In subtotal mode, press the total key to print the total. To add more operations to the ticket, press the K/ESC key.
The detailed deletions will appear at the end of the ticket.

```
TIQUET LOCAL
Atendido por:
  NOMBRE VENDEDOR
 IVA INCLUIDO
Lineas canceladas

DESCRIPTIVO PLU 2
 2.084      160       333
   LEYENDA FINAL


   2 510005 001356
```

11.3.   Cancelling the last operation

This function allows deletion of the last operation executed by a vendor.
In Mixed and Sale Mode:

- The result is the same as canceling any other operation, but without the necessity to enter in revision of ticket.
- It only allows deletion of the last operation. If it is repeated, it will not have any effect on the previous ticket lines.

To complete the deletion, press the deletion key (-) after the operation and then press the vendor key, whose operation id being deleted.
In Packing mode:
- Only the last operation could be deleted.
- The packing deletions will appear as canceled operations in the total reports.

Press:
    The cancel key to stop the cancellation of the last operation.
    The validation key (INTRO) to cancel the label.
Once the (INTRO) key is pressed, the scale will display "OPERATION FINALIZED" for a few seconds and then it will go back to normal procedure.

11.4.   Payment Function
This function allows control over the withdrawal of money from the cash drawer without doing operations with clients (for example: payment of a bill)
This function is only used when the scale has a cash drawer connected to it.
In **Weighing** mode, press the payment keys (SHIFT + V9). Then press the amount to be withdrawn, followed by the validation key. Lastly, press the vendor key and then the validation key once more.

```
Fecha:      09DIC98
Hora:       11:16
Balanza:    01
Mostrador:  01

 ┌────────────────────────────┐
 │  Desembolso                │
 └────────────────────────────┘



Vendedor:  NOMBRE
Desembolso 300
Cajon:     300
```

A ticket is printed with the completed operation.

11.5.   Reimbersment function

This operation is the opposite of the previous one. It is used to deposit money in the cash drawer without doing operations with clients.
In Weighing mode, press the reimbursement keys (SHIFT +V10), the amount to be deposited and the validation key (INTRO). Then press the vendor key and then the validation key once more.

11.6.   Forms of Payment

The scale allows the possibility to accumulate the amounts of the tickets earned in different registers of totals.
These totals could be listed directly from the individual scale. There is a daily total and an accumulated total.
These totals are cleared together with the system's totals.
The payment forms are activated in the 'Congiguration menu\ Scale\ Forms of Payment.' If the option is activated, the selected payment form is performed after the ticket (or receipt) is printed out.

Once the printing of the ticket is completed, the scale will indicate the amount due:
- • If only a single payment form is going to be used, press on of the keys:

 ...

- • If the payment is done though various forms of payment, press the change of function key (SHIFT+ one of the previous keys).
In the previous case, the scale asks for the amount to sum in the selected payment form. It is entered with the numeric keys and confirmed with ENTER.
This operation could be repeated until the amount of the ticket is completed. The last form of payment needs to be done without the change of function key.

The different forms of payment correspond to:

- • Cash ----------------------

- • Check ---------------------

- • Card------------------------

- • Restaurant ticket --------

- • Generic -------------------

NOTES:
- • When a ticket is reloaded, the amount due is only the difference between the previous total and the actual one.

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- If the option 'CHANGE' is activated and the payment is only done with cash (), the scale will ask for the change.
- Reimbursement and Payment are accumulated in the payment form - Cash.

11.7.   Activation/Deactivation of a Vendor.

By default, the scale works with the automatic activation of vendors. If necessary that the activation is done manually, the function needs to be activated in the 'Configuration menu\Scale\Operative system'.
This function allows the assignment of vendors to the vendor keys. Before staring to work with a counter, a vendor needs to select his vendor key using this function.
If a vendor needs to change his key or the counter, he will have to deactivate the previous one first.

Activation of a vendor.
In the Weigh mode, press the change of function key (SHIFT) followed by the vendor key. Then enter and confirm the vendor code.
The save data key (**T**) confirms the operation.
The (K/ESC) deletes the operation.
Once registered, the vendor could work in all the scales of a counter.

Possible errors:

Error	Description
Vendor does not exist	Vendor does not exist
Enter vendor	The vendor code is zero
Vend is connected	Vendor in other key
Other counter	Vendor in other counter

Desactivation of a Vendor
This function frees the key used by a vendor. After this moment, the vendor could be connected to another key or another counter. The key remains free to be used by other vendors.
In weighing mode, press the change of function key (SHIFT) and the vendor key.
If the vendor key is assigned, the scale shows the active vendor. If the key is not assigned, it will start the Activation of a Vendor.
The save data key (**T**) confirms the operation.
The (K/ESC) deletes the operation.

Possible errors:

Error	Description
With open ticket	Vendor has an open ticket

11.8.   Tare Function

There are 4 types of Tare: Semi-automatic tare, Fixed tare, Manual tare, and Accumulative Tare. They are selectable from 'Configuration of weight' in the installation menu (Technical Service Manual).

Note: The maximum value of the tare is programmable, just as the norm for elimination of semi-automatic tare. See 'Weight adjustment' in the installation menu (Technical Service Manual).
Semi-automatic Tare
With some weight on the plate, press the tare key.
The tarred weight is shown in the indicator.
The scale returns to its normal state after the tarred weight is taken off the plate.
Fixed Tare
With some weight on the plate, press the tare key twice.
The tare remains fixed for the subsequent operations.
If the weight is removed from the plate, the main indicator will display a negative tare value.
Manual Tare
This function allows entering a tare value through the keyboard or use a previously programmed value.
Without weight on the plate, press the manual tare keys (SHIFT + T).
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The change key (TAB) allows toggling between the two types of manual tare.

Manual Numeric Tare

Once in the manual tare, enter the value of the tare and confirm it with the validation key (INTRO).
The tare remains fixed for subsequent operations.
To deactivate the numeric tare, press the manual tare keys. Once the programmed tare is displayed, press the clear key (C) and then the (INTRO) key.

Posible errors:

Error	Description
Weight data not valid	Weight entered not valid

Manual Tare by Code

Once in manual tare, press the change key (TAB) to toggle between the tares by code.
The scale allows having 10 different coded tares form code 0 to code 9. In order to use a coded tare, it has to be in the database.
Enter the tare code and press the (INTRO) key to confirm it.
To deactivate a tare, enter in programming of manual tare by code. Input the value of 0 (or enter code 0) and confirm it with (INTRO).

Accumulated Tare

This function allows doing subsequent tares even with the existence of an already activated tare.
It functions the same as Semi-automatic tare. Once a weight has been tarred, its value is accumulated to the previous tare.
When the weight is taken off the plate, the displayed tarred weight is shown in negative.
The tare is deactivated after doing a sale with a greater weight than the minimum weight programmed and after taking off all the weight from the plate.

11.9. Bovine Function (Traceability)

Special function that allows printing in the tickets or labels the information of the origin of the product being sold or packaged.
In order to work with this function, a special family (bovine family) has to be configured first (see 'Configuration menu\System\Families'). Through that menu are selected the forms of work in which this procedure will be applied. The scale will use this procedure for bovine products with all the assigned articles to the bovine family, and in all the sale types predetermined in that menu.
The scale has 255 bovine "sheets". Each one coresponds to a different canal or animal lot. During the bovine procedure, the operation is related to one of these sheets. Subsequently, the data that prints on the ticket comes from the selected sheet.
If working with labels (packing, mixed or super mode), it is necessary to configure a label that takes into consideration the special fields of the bovine.

Procedure

A. Press the direct PLU key or the code of the article. If the product does not belong to a "bovine" family, it takes you to the normal packing sequence
B. If the product belongs to a bovine family:
- The code of the animal or the lot number of the group of animals corresponding to the sheet in use (last one used) is displayed.
- It is possible to find out the sheet number. Press the Menu entry key to see if it is the desired sheet.
The scale shows sheet nº 1.
At this point it is possible to change the sheet by entering the desired sheet number and confirming with (INTRO).
In either case, if the code is correct, press the (INTRO) key to confirm the selection.
C. Once the code is confirmed:
Una vez validado el código:
- Packing: the normal labeling (automatic or manual) sequence begins, using the voresponding label (see 'Configuration menu\System\Families\Bovine').

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- Sale, Mixed or Super mode: press the vendor key to accumulate the operation.
- The sheet number remains associated to the completed operation. El número de ficha queda asociado a la operación realizada.
D. When the ticket has printed out, it will show a line with the sheet code used below the article line (for each article of the bovine family will appear the associated sheet code). At the end of the ticket will appear a report of each of the sheets used.

Functionality
The functioning of this mode could be very different. It depends on the bovine family configuration (Sale type, totals saving, whether used in sale mode) and whether the tickets are saved.
Initially the data of the bovine sheets CANNOT be modified once the sheet has been used once and until it is not finalized and cleared. The totals are cleared, but the rest of the data remains saved and it could be modified.
If a sheet number remains associated to an operation, it is understood that the data remains logical for the life-span of the sheet.

The programming of the sheet is blocked (its data cannot be modified) in the following situations:
- Bovine is working in ''sales''.
- The totals of a bovine are saved.
The sheet totals are cleared when a label of bovine total is cleared (with INTRO and then the sheet number to be cleared.). An exception of this is when the bovine is used in sales and the tickets are saved. In this case, the bovine totals are cleared when the tickets are cleared and only the totals of the finalized sheets are cleared.
If a family does not operate in "sales" mode (only for labels) and the bovine totals are not cleared, it is possible to modify the lot number for each realized operation.
This number could be modified when the scale shows the animal code or the lot number of the group of animals belonging to that sheet or the last code used (if it has been modified). At this point, there are various possibilities.
A. The data is correct and valid.
B. The data is cleared. A new one is entered and validated. This data is not saved in the database, but it is maintained until a new sheet is changed or selected.
C. Enter ''0'' as a code: the code of the animal is printed in blank.
D. The data is cleared without entering a new one and it is validated. The scale generates one that is formed by 4 numeric digits done after the date of packing minding the following rules: The first digit will be the minimum weight of the year. The second digit will be the date of the week (1: Sunday, 2: Monday …) and the last 2 digits will indicate the number of the week inside the year in which the packing was done.

Examples:
21/01/2000. Lot number = 0504
13/03/2001. Lot number = 1211

Selection sheet by default
This function allows selecting a bovine sheet without the necessity of entering an article of the family.
In addition, it allows printing a label with the total of the sheet and even to finalize the sheet. Press simultaneously the bovine function keys (SHIFT+X), enter the n⁰ of sheet, and then press INTRO.
Press the validation key (INTRO) or abort operation (ESC) to return to normal working mode. The entered sheet becomes the sheet for use by default.
Press the fix price key (FIX) to obtain a total label of the selected sheet.
Press the total key (*). The scale prints a total label and the sheet is finalized.
The total label that prints out corresponds to the "total' label (GEDIT) of the selected label in the configuration of bovine family (if exists).
If a clearing of the totals is performed, the sheet totals are cleared as well (depending on configuration). Regardless of that, the sheet is considered finalized. If it is tried to reuse that sheet, the scale gives an error message, but allows the sheet to be unblocked and used.

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11.10. Selection of Clients

This function allows printing a label with a client's data.
The Code and Name of the Client fields in the label used must be configured first.
In Weighing and in Packing mode, press the client function keys (SHIFT + C) and then enter the code of the client.
The client's code is a 6-digit number.
Press the (INTRO) key to confirm the selection.
Press the (K/ESC) key to abort the selection of a client.
The client could be changed at any time. The client function is finalized. When turning off the scale.

Possible errors:

Error	Description
Code erroneous	The client is not programmed.

11.11. Cash Drawer

The scale could be connected to a cash drawer as long as the option is activated in the 'Sale Configuration' menu.
The cash drawer could be opened in two ways:
- Automatically, when the ticket is finalized.
- Manually, by pressing the cash drawer keys (SHIFT+FIX).

11.12. Label Repetition

This function is exclusive to **Packing Mode**. This function allows the repetition of unweighed product labels a certain amount of times. The weighable product labels cannot be repeated.
The repeated labels are accumulated in the totals as normal operations. For this reason, if there are active pre-selected totals, they will be printed in their corresponding place.
The last label will print a certain amount of times when working with programmed articles.
When working with direct prices, the number of desired labels could be inputted after entering the price.
After completing an operation, press the return to menu key. It will ask for the number of labels to print.
Enter the number with the numeric keys.
The maximum number of labels to be printed is 99.
Press (INTRO) to print the selected labels.
Press (K/ESC) to abort the repetition of labels.
.

11.13. Number of Labels

This function is exclusive to **Packing Mode.** This function allows selecting the number of labels to be printed before selecting the article code.
When the scale is in resting mode (without weight on the plate, without selecting an article, or without price), press the **X** key. The scale will display "Tot Pre-selection," asking for the number of labels to be printed. When it arrives at that number, the scale will automatically produce a total label. It restarts the counter for the following sequence. If the article is cleared, the number of labels is also cleared. If the total key is pressed, the scale will produce a label for the total of all the sequences done and will clear the total of this series of weighing.

11.14. Display of alternative currency

This function allows the display of prices and amounts converted to an alternative currency (only in Phase 1 and 2).
In Phase 1, the alternative currency is € and PTA (pesetas) en Phase 2.

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The display is achieved by pressing the display of alternative currency keys (SHIFT+PLU/PRC). During 3 seconds the display shows the converted value. It is possible to clear it before that time by pressing the clear key (C).
There are different situations when the conversion is shown:
Displaying Price and Amount:
The **Weight-Price-Amount (WPA)** display shows the text of the alternative currency, the price conversion, and the amount conversion.
Awaiting Receipt and Subtotal:
The **WPA** display shows the text of the alternative currency and the total conversion.
Reimbursement and Payment:
Press the keys after entering the quantity.
The **WPA** display shows the text of the alternative currency and the conversion of the quantity. Waits for the entry of change of payment type.
If there are payment forms, press the keys before selecting the payment type.
The **WPA** display shows the text of the alternative currency and the total conversion of the ticket. The other display shows the total due in the alternative currency (if there are no types of payment, it is the total).

11.15. Display of Total function by counter

The Direct Function 18 activates the display of the total by counter.

The display of the total by counter shows during 3 seconds the message: "TOTAL COUNTER MM: XXXXXX.XX" (the 'MM' is the counter number, and XXXXXX.XX is the total accumulated in that counter).

MENU FUNCTIONS

11.16. Menu Access

The menus of any scale are always the same. The configuration of the scale, the display, the printer, labeler, etc. is what changes the scale.
The first level gives access to the following menus:

MENU FUNCTIONS
• **Direct function**
• **Sale (ticket/label)**
• **Tickets**
• **Labels**
• **Totals**
• **Programming**
• **Configuration**

The way to access the menu is different depending on the scale.

"Department" type keyboards: these keyboards have direct access to the different menus.
- There are direct keys to enter in the sale mode (ticket or label)
        [SHIFT]+ [TICKET] ➔ ticket mode.
        [SHIFT]+[LABEL] ➔ label mode.
- When the Menu key is pressed, it accesses the Ticket menu or Label menu, depending on the sale mode (ticket or label).
- [SHIFT]+[TOTALS] ➔ totals menu.
- [SHIFT]+[PROGRAM] ➔ programming menu.
- [SHIFT]+[CONFIG.] ➔ Configuration menu (By default, this menu is protected by a password **"SP C F G N G")**
- [SHIFT]+[↑] ➔ Access to the complete menu, starting with the Direct Function.

The rest of the keyboards: To enter in the menu, press any of the displacement keys. Access the complete menu.
Note: For packing mode, it is only possible to access the Menu through the advancement in menu key.
Note 2: If not using the "department" type keyboard, press (SHIFT+Menu Up) and then (SHIFT+ K/ESC) to enter in the protected menus and input the programmed password.

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12. MENU TREES

All the scale's options are compartmentalized in five different menus:

- **User menus: TICKET and LABEL**

The user menus are directly accessible by pressing the MENU key. This accesses one or another menu depending on how the scale is set-up. If the scale is working Ticket mode, it will access the Ticket menu. If it is working in label mode, it will access the label menu.

If on the screen appears   **TX**   , then this is ticket mode.

If on the screen appears   **LX**   , then this is label mode.

- **Total menu: TOTALS** (Access to totals, reports and clearing)
- **Programming Menu: PROGRAM** (Access to programming options)
- **Configuration Menu: CONFIG** (Access to configuration options (protected by a password [sp cfgng]).

To access them, press SHIFT+ the corresponding key.

12.1.   Menu Navigation keys

 and Allow the backward and upward movement in the menus.

  Allow the entry in the submenus and/or the confirmation of a field.

 Allows the toggling between lists of choices. For example: YES/NO.

 Saves the data (if confirmation is necessary).

 Exits the menu
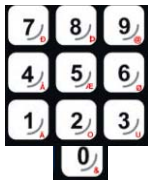
 Numeric keypad.

Below is a complete list of all the options in all the Menus. It serves as a guide for easier discovery of any option:

MENU	MENU
TICKET	COUNTRIES REPORT
Sale/Mixed/ Super	*LABEL*
PRINT IN: **Printer**/ Lblr	SALE: **Packing** /Man pack / Self-serv
FORMAT (ticket to print): **Standard**	PRINT IN: **Lblr** / Printer
RELOAD THE PAPER (printer)	LABEL: (label selection)
RELOAD LABEL PAPER	SPACING. VERTICAL: **0**
LOAD (loading of ticket)	LOAD LABELS
REPRINT (ticket)	PACKING (date of packing)
CLOSE (Vendor)	LOT : 0
PRT SUPER MODE: **P+L** / Prt / Lbl	ORDER : 1
	DATA EAN128 …..
	PRE-SELECTION (Automatic totals)
SHIFT + TOTAL (TOTALS)	
REPORTS	**SHIFT + CONFIG** (Configuration)
	"requires a password by default - SP E P F A B"
TOTALS CLEARING	**SCALE**
SEPARATE CLEARING	TICKETS
ALL (DAILY/ACCUMULATED)	LABELS
TICKETS	TYPES OF PAYMENT
SHIFT + PROG (Programming)	DISPLAY
PRICE CHANGE	GRAPHIC
PLU KEYS	OPERATIVE SYSTEM
ARTICLES	CHANGE OF KEYS
ADVERTISEMENT	RAM CLEARING
CONFIGURATION	WEIGHT VERIFICATION
SALES	INFORMATION
CONTINUOUS ADDS	CONFIGURATION
TEXTS	DATABASE
HEADERS	DB:
LEGENDS	SYSTEM
FREE TEXTS	**SYSTEM**
BAR CODES	GLOBAL SYSTEM
EAN13	FAMILY
EAN128	BOVINE
CODE128	DAILIES
VENDOR	LOT
VAT	**COMMUNICATION**
FUNCTION KEYS	UPDATE DATA
ENCOGED TARE	SCALE
DISCOUNTS	COUNTER
PRICE OFFERS	SERIAL
CLIENTS	ETHERNET
ORDERS	NETWORK CONTROL
INVENTORY	**REGIONAL**
MERCHANDISE	CLOCK ADJUSTMENT
BOVINE	LANGUAGE
PROGRAMMING	CURRENCY
TOTAL SHEET	
REPORTS	
COUNTRIES PROGRAMMING	
CLEAR COUNTRIES	

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Below is a table that shows the Configuration Menu of the scale with all the details.

SCALE	TICKET	RECEIPT	YES/NO		
		RECEIPT	**NORMAL**/SIMPLE		
		CB TICKET	YES/NO		
		CB RECEIPT	YES/NO		
		CHEK 7	YES/NO		
		VAT TICKET	YES/NO		
		1 POINT	= 0.00 €		
		CLIENT TICKET	YES/NO		
		HEADINGS TOTALS	YES/NO		
		DPT. TICKET	YES/NO		
		Nº OF DESCRIPTIONS	0	Descriptions of article to be printed in ticket.	
		PAPER ADVANCEMENT	360		
		RELOAD ADVANCEMENT	YES/NO		
		DOUBLE BEEP	YES/NO		
		TEST OF PRINTER		Prints a report with all the types of letters.	
		PRINTER	SPEED		80
			TIME OF BURNING		50
			USE HISTORIES		YES/NO
			PRINTER		**CP290**/CLDF
	LABELS	LBLS BY DEFAUALT	1		
		LBL. EXTRIOR	**NO**/EP X200		
		SELECTION LBL. EXTERNAL			
			WEIGHT	INTERNAL/EXTERNAL	
			TOTAL MANUAL	INTERNAL/EXTERNAL	
			PRE-SELECTION 1	INTERNAL/EXTERNAL	
			PRE-SELECTION 2	INTERNAL/EXTERNAL	
			PRE-SELECTION 3	INTERNAL/EXTERNAL	
		COPY LBL	Only in ML050		
		SEC. CLIENT	YES/NO		
		PRINT SHEETS	YES/NO		
		CB PACKING	1		
		EAN13 ARTICLE	**PRR+SEL**/IMPR/SEL		
		00. COD. SEC	**FIXED**/CNT		
		30. QUANTITY	**FIXED**/CNT		
		37. UNIT. CONT	FIXED/**CNT**		
		COUNTRY	84		
		MANUFACTURER	0		
		LABELER	ADVANCEMENT SPEED		90
			BURNING TIME		55
			USE HISTORY		YES/NO
			LABEL HEADING		60
			LABELER		RLME/ **LPM2000**
			AUTO-OPTO-HEAD		YES/NO
			HEAD DISTANCE		350
			LENGTH LABEL.		XXX
			OPTO		XXX
			RE-WINDER MOTOR		Prtr/Lblr/ P+L
		EP X200 (Only in external labeler in EP X200)	BURNING		5
			ADVANCEMENT SPEED		5
			MODE		**DIRECT**/TRANSFER
			PAPER ADVANCE		20
			GAP		3
			STRIPPER		YES/NO
			VERTICAL MARGIN		0
			HORIZONTAL MARGIN		0
			LBLR. ERROR		YES/NO
	TYPES OF PAYMENT	TYPE OF PAYMENT	YES/NO		
		CASH DRAWER	**YES/ WEIGHT/ AUTO**		
		CHANGE FUNCTION	**NO**/YES/SUM		
		ASK FOR CHANGE	**BEGIN/ END/ TICKET**		
		MODO ENCARGO	YES/NO		
	DISPLAY	SEE CODE	**NO/YES**		
		Nº LINE	YES/NO		
		SEE BOVINE	**CROTAL**/LOTE/TEXTO		

	LIGHT	LIGHT (ONLY IN LCD DISPLAY)	5		
	OPERATIVE SYSTEM	STARTING SALE	**TICKET/LABEL**		
		ACTIVE/DEACTIVE VENDOR	**YES/NO**		
		AUTO V?	0 (V1 TO V14)		
		AUTO CODE ENTRY	**YES/NO**		
		AUTO CÓDE	**NO**/YES		
		PRICE ZERO	**YES/NO**		
		PRT. PRICE ZERO	**YES/NO**		
		PRICE CHANGE	**YES/NO**		
		CANCELED LINES	**YES/NO**		
		NEGATIVE AMOUNTS	**YES/NO**		
		RETURN TO WEIGHT	**YES/NO**		
		INVENTORY ACCESS	**CODE**/PLU		
		TARE PLU SALE	**YES/NO**		
		END TARE SUM	**YES/NO**		
		ARTICLE ACCESS	**CODE**/PLU		
		CODE DIGITS	6		
		PLU/PRC KEY	**YES/NO**		
		RS232-EAN	**YES/NO**		
		CONFIRM PLU	**NO/0.25 Sec → 2 Sec**		
		ERROR LOCAL SALE	**YES/NO**		
		CLEAR ERROR (SEC)	0		
		PROTOCOL $	**NOT ACTIVE**/ MANUAL/CONTINUE	Transmission of weight through the serial canal.	
		TIME TRANSMIT (SEC)	0.0		
		VALOR ANTIRREBOTE	1	(endurecimiento de teclado)	
		PESO SIN ESCURRIR	**YES/NO**		
	CHANGE OF KEYS	VENDOR			
		PROGRAMMING			
		TOTALS			
		ADMINISTRATION			
		CONFIGURATION	(SP)CFGNG		
		FACTORY	(SP)EPFAB		
	RAM CLEARING				
	VERIFY WEIGHT (Only for verification in factory)				
	INFOR-MATION	CONFIGURATION			
		DATABASE			
		DB	COUNTRIES	(Selection of database for reports)	
		SYSTEM			
SYSTEM	GLOBAL SYSTEM	NUMBER	SYSTEM	(Form of numbering the tickets)	
		VAT	**YES/NO**		
		RELOAD OF ORDER	**YES/NO**		
		DECIMALES MERMA	**YES/NO**		
		ACCUMULATE TOTALS	SALE/MIXED		**YES/NO**
			SUPER		**YES/NO**
			PACKING		**YES/NO**
			SELF-SERVICE		**YES/NO**
			TREN		**YES/NO**
		SAVE TICKET	SALE/MIXED		**YES/NO**
			SUPER		**YES/NO**
			PACKING		**YES/NO**
			SELF-SERVICE		**YES/NO**
			TREN		**YES/NO**
		PRICE SIGN	NO		
		SPAN TIME	0	(Activation of spanning Tree, value in sec.)	
		AUTO CLEAR	**YES/NO**		
		TIME OF CLEAR	00:00:00		
		CB COUNTER	**YES/NO**		
		LIST: SALE WITH TRAINING	**YES/NO**		
	FAMILY	FAMILY	FAMILY		0
			LABEL		DEFAULT
			SALE/MIXED		**YES/NO**
			SUPER		**YES/NO**
			PACKING		**YES/NO**
			SELF-SERVICE		**YES/NO**
			TREN		**YES/NO**
			ACCUMULATE TOTALS		**YES/NO**
		DAILIES	FAMILY		0
			LABEL		DEFAULT
			SALE/MIXED		**YES/NO**
			SUPER		**YES/NO**
			PACKING		**YES/NO**
			SELF-SERVICE		**YES/NO**
			TREN		**YES/NO**
		LOTE	FAMILY		0
			LABEL		DEFAULT
			SUPER		**YES/NO**
			PACKING		**YES/NO**

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Category	Subsection	Item	Value	Alt
		SELF-SERVICE		**YES/NO**
		TREN		**YES/NO**
	TRACEABILITY	CODE	0	
		FAMILY	0	
		LABEL	DEFAULT	
COMMUNICATION	UPDATE DATA	SCALE	UPDATE	X
			ORIGIN SCALE	X
		NETWORK	UPDATE	X
	SCALE		X	
	COUNTER		X	
	SERIES	BAUD RATE	19200	
		PARITY	EVEN	
		STOP BITS	1	
		DATA BITS	8	
	ETHERNET	NET ID	1	
		MAC	XXXXXXXXXXXXXX	
		TCP-IP	SI	
		NAME	XXXXXXXXXXXXXX ?	IP NO
		DHCP	NO	
		IP	XXX,XXX,XXX,XXX	
		MSK	255,255.255.000	IP YES
		GW	XXXXXXXXXXXXXX	
		PORT	6000	
		TIME OUT TX (SEC)	0	
		TIME OUT RX (MIN)	0	
		MODE	10	
	NETWORK CONTROL	REPORT		
		NETWORK TEST		
		NEW SCALE	0	
		ERASE SCALE		
		CONFIGURE NETWORK		
REGIONAL	CLOCK ADJUST-MENT	TIME	XX:XX:XX	
		DATE	XX/XX/XX	
		CONFIGURATION	YEAR 4 DIGITS	NO
			MONTH	ALFA
	LANGUAGE	LANGUAGE	ESPAÑOL	
		ASCII	STANDARD	
	CURRENCY	COUNTRY	ESPAÑA	
		EURO PHASE	3	
		EURO FACTOR	166386	
		DEC. EURO FACTOR	3	
		DATE EURO	01/03/2002	
		DECIMALS PRICE	0	
		DECIMALS AMOUNT	0	
		ROUNDING TYPE	1	
		DEC. FLOATING AMOUNT	NO	
		CURRENCY	PTA	

13.   USER MENU (TICKET and LABEL)

In this menu option, select the manner in which to work inside of each mode of the scale.
Depending on the work mode Ticket or Label, the User menu will offer distinctive options.

13.1.   User Menu Tickets

FORM OF SALE: Sale, Mixed, or Super
These work modes are described further in section 9.1 Functioning in Ticket mode.

REDIRECTION OF THE TICKET
Printing of ticket configuration. It allows the selection of the printing mechanism used for the tickets and the reports, the printer and the labeler.
This configuration option allows using a label printer to print tickets in **Sale Mode**. The ticket will print on thermal continuous paper in the labeler.
The menus of totals and reports do not appear in scales without printer, unless this option is activated.
With the toggle key (TAB) select the printing mechanism (PRTR/ LBLR).

Possible errors:

Error	Description
Error writing of data	Error in making the modification

TICKET FORMAT
Indicates the format of the ticket that will print out.
The selected format could be STANDARD (scale's default format) or a second format that has been programmed externally.
RELOAD THE PAPER
This function is used when a new roll of paper is placed in position. It is the same function as the reload paper key.
LOAD CONTINUOUS PAPER IN LABELER
This function allows loading continuous paper in the labeler. (This option will only appear if there is a printing mechanism (printer or labeler and tickets redirected to the labeler).

RELOADING OF TICKETS
This option allows the loading of any tickets already finalized in **Sale** and **Mixed Modes.**
Once recovered, the ticket receives a new ticket number and could be used as if it were a new open ticket.
The recovered ticket remains marked as reloaded and finally (after printing the new ticket) is deleted. The old ticket could not be saved as modified. The operations done in that ticket are deleted from the corresponding totals (articles, vendors, etc.).
If the save tickets option is not activated (NO), only the last ticket done by each vendor could be recovered.
The conditions to be able to reload a ticket are:
- The vendor, whose ticket is to be reloaded, cannot have an open ticket (cannot be working with a ticket) and he has to have a vendor key assigned.
- A ticket could only be reloaded once.
- If there is a computer connection to the scale, the ticket cannot have been sent to the scale. This condition could be eliminated by configuration.

If the scale is working in a network, press the change keys to select whether the ticket to be loaded is a Network or Local ticket.
Press the validation key, enter the ticket number to be loaded, and confirm it once again.
- If the numbering is by counter, the ticket of the counter of the scale is loaded.
- If the numbering is by scale, the ticket that has been completed in the scale is loaded.
- If the numbering is by date, the ticket completed in that same day is loaded.
- If the numbering is by system, the ticket is only one.
- If the numbering is by vendor, the scale asks for the vendor key. Enter it and confirm it.

The scale shows the ticket's data (vendor code, number of operations, and total amount) and waits for confirmation to load the ticket.
Once recovered, the new ticket (it is assigned a new number) could be used as if it were any open ticket.

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Once the ticket has printed out, a line appears in the ticket indicating that the ticket is a reload and the original ticket number.

Possible errors:

Error	Description
Erroneous data	Data out of the limits.
Ticket does not exist	The requested ticket is not the database.

Cannot be reloaded	The reload has not been possible:
	    - Vendor with open ticket.
	    - Ticket has been loaded once.
	    - Ticket requested by an external program.

REPRINTING OF TICKETS

This option is only applicable to tickets completed in **Sale** and **Mixed Modes**. It allows the re-printing of any finalized ticket.
If the scale is working in a network, press the change keys to select whether the ticket to be re-printed is a Network or Local ticket.
Press the validation key (INTRO), enter the ticket number to be re-printed, and confirm it once again.

The same conditions apply as far as the type of numbering of ticket as in Reload of ticket.

CLOSE OPEN TICKETS

This function allows the closing of started tickets that have not been printed yet. This only applies to tickets completed in **Sale** and **Mixed Modes**.
Press the change keys to toggle between the types of ticket closing:

        VENDOR: Closes the ticket of a vendor
        COUNTER: Closes all the tickets of the counter
        SYSTEM: Closes all the tickets in the system

Press the validation key to close the selected ticket.
If the closing type is vendor, the scale asks for the vendor code. Enter it with the numeric keys and press the validation key.

Possible errors:

Error	Description
Communication error	Unable to communicate with the server scale.
No tickets	There are no open tickets.

TYPE OF PRINTING IN SUPER MODE

This option allows the selection of the type of printing for the sale mode Super.
With the change key (TAB) toggle between the different options (P+L, Lblr, Prtr).
Press (INTRO) to confirm the selected mode.

Description

P+L: Prints ticket and labels (only for models with double printer).
LBLR: Prints only labels (Models with labelers).
PRTR: Prints only tickets (Models with ticket printers).

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13.2.   User Menu Labels

TYPE OF SALE: PACKING and MANUAL PACKING
These work modes were fully described in section 9.2 Functioning in Label mode.
REDIRECTION OF LABELS
Printing of label configuration. It allows the selection of the printing mechanism used for the labels, printer or labeler.
SELECTION OF LABELS
This option allows the selection of a group of labels form the already programmed ones in the scale.
A group of labels is composed of:
- Constant or weighable label
- Manual total label
- Total label with Level 1 pre-selection
- Total label with Level 2 pre-selection
- Total label with Level 3 pre-selection

Press the (TAB) key to toggle between the possible options.
These options by default are: 45x57, 62x57, 60x57, 80x57 B, CE1760 B, 80x57 T, CE1760 T, CE1760 T+ and NO LABEL.
The labels are configured in the computer, though a Windows based program, called GEedit. They are transmitted to the scale via RS-232 and/or Ethernet.

VERTICAL DISPLACEMENT OF THE LABEL
This function allows the configuration of the vertical displacement of the printing inside the label.
With the numeric keys, enter a value (between 0 and 25).
The value could be positive or negative: enter the value and press the (-) key to change the sign.
RELOAD OF LABELS

The same function as the keys ![SHIFT key] ![card key] .After changing the roll of labels, select this function to load the labels in the labeler.
Note: this function will only appear in the menu, if the scale has a labeler. It will not appear if the scale only has printer, even though it may be redirected to print labels.

PROGRAMMING THE PACKING DATE
The packing date needs to be the same or later than the scale's. Otherwise, it will give an error. If the packing date is earlier, it will automatically update when the scale turns on or changes to the next day.
Once the packing date is correctly programmed, the articles that have 'an expiration date' field programmed will print with the expiration date on the label (if the selected label is configured to show that field).
THE LOT NUMBER
Programming of the lot numbers for Packing mode.

Enter the number with the numeric keys (6 digits maximum) and confirm it.
The lot number will remain fixed until it is modified.
When modifying the lot number, the order number goes automatically to 1.
Note: The lot and order numbers will appear in the label only if they are configured in the actual label.

ORDER NUMBER
Programming the order numbers for Packing mode.
Enter the number with the numeric keys (4 digits maximum) and confirm it.
This number will increase automatically with each new label.
EAN128 DATA
This sub-menu gives access to programming certain values that will only appear in the printing of EAN128 bar codes.
Press the validation key (INTRO) and the following options appear:
- **IA00 SSCC:**

You can program the serial code of (IA00).
Digit the 17 digits of this identifier and validate. At the moment of printing the check will be calculated
It is necessary to enter ALL the digits.
- **IA00 Prefix**:Prefiix
- **IA00 N.SER:** Serial number.

- **IA01 Num**: Allows to program the first numerical digit of the identifier (IA01): article number/EAN. Next 12 digits belong to the EAN 13 and finally the new check digit is calculated.
- **IA10 Num LOT:** Lot number. Allows programming a 20-digit alphanumeric lot number.
- **IA30 QUANTITY:** Variable quantity, numeric data of up to 8 digits.
- **IA37 UNIT:** Contained quantity. (Associated to IA02).
- **IA400 ORDER:** Identifier of the client's purchase order. Alphanumeric data of up to 30 digits.

PRE-SELECTION CONFIGURATION

Programming the controls for the label pre-selection. In **Packing Mode,** this function allows the scale to do a total of the completed operations automatically or manually once one of the following is completed:
- A programmed number of labels
- Value of weight limit
- An amount value limit
- Manually (vendor's decision)
With the (TAB) key toggle between the different options: LABELS, WEIGHT, AMOUNT, MANUAL, NOT ACTIVE)

Not active: There is no pre-selection control
Labels: Totaling by a programmed number of labels
Weight: Totaling once a programmed weight limit has been reached
Amount: Totaling once a certain amount limit has been reached
Manual: Totaling with total key. In this case, the program asks for which level of pre-selection should accumulate.
Press the validation key to program the limits in:
Labels: Enter the number of labels
Weight: Enter the limit weight
Amount: Enter the limit amount
Manual: No further data requested
It is possible to program up to 3 levels of pre-selection, so the scale will ask for the next level of totaling.
If one of the pre-selections is activated (except for the "manual" one), the scale will automatically total and print the label without the vendor's intervention.

14. TOTALS

This menu allows doing reports and clearing of all the totals stored in the scale.
The scale will only store totals information, if the option 'Accumulate Totals" is activated in the Configuration Menu.
The scale has 2 basic types of totals: the **Dailies** and the **Accumulated**.
The **Dailies**: totals separated by days.
Once the date changes, the first operation completed automatically starts a new daily total.
The totals of the last 10 days are saved separately.
If there is no more space for a new total once the date changes, the oldest one is deleted.
The **Accumulated** totals are the totals accumulated since the last 'Accumulated Total Clearing'.
It is a single file that accumulates for various days.
When this total is cleared, the corresponding daily totals are cleared as well.
Enter in the Grand Total menu by pressing the validation key (INTRO). There are 2 options:
- Reports.
- Clearing of Totals

Press the cancellation key (K/ESC) to exit of this menu.

14.1. Totals Reports

This group of functions allows printing the stored totals in the scale. The access option is a new menu tree with different possibilities:

- Dailies
  - ➢ System
  - ➢ System report
  - ➢ Counter

- Accumulated
  - ➢ System
  - ➢ System report
  - ➢ Counter
  - ➢ Vendor
  - ➢ Articles (all, one article, grouped by family)
  - ➢ Article family
  - ➢ Hourly sales

- Bovine family

- Daily family

- Tickets

When these report are printed, a heading with the last clearing date, the total number, and the copy number is also printed.
The **Daily Totals** refer to totals that are saved on a daily basis.
Most of the totals are saved separately depending on the type of sale:
Sale and **Local Sale**: totals completed in Network/Local in sale, mixed, super, and self-service.
Packing and **Local Packing**: totals completed in Network/Local in packing mode.
In the system's totals reports (daily and accumulated) that have selected sale, local sale, packing, and local packing could also be included Order or Training.
Press the validation key (INTRO) to enter in the sub-menu of the reports.
Press the movement keys to see the different functions of the Report of Totals menu.
Press the (K/ESC) to return to the Grand Totals menu.

Report of daily totals
Report of the system's general totals, separated by days, since the last clearing of daily totals.
They are saved separately a maximum of 10 days. The rest is added to the last clearing of totals.
Press the validation key (INTRO) to see the desired report. Select it with the (TAB) key.
Press the validation key to print the selected total.

```
Fecha:     14DIC98
Hora:      13:45
Balanza:   01
Mostrador: 01

Ultimo borrado:  14DIC98
Num gran total:  000003
Num de copia:    000

(Diario

Local VENTA
                Resumid
(Fecha:    14DIC98

Tiquet(s)             3
Operaciones :         6
Total:             1053
```

Prints **for each date with totals**:
- Total
- Number of tickets/ labels
- Operations
- Total amount

Report of accumulated totals
Report of the system's general totals since the last clearing of accumulated totals.
Press the validation key (INTRO) to see the desired report. Select it with the (TAB) key.
Press the validation key to print the selected total.

```
Fecha:      14DIC98
Hora:       15:25
Balanza:    01
Mostrador:  01

Ultimo borrado: 14DIC98
Num gran total: 000003
Num de copia:   001

(Acumulado                )

Local VENTA
    Diario Acumulado
(Fecha:      14DIC98      )

Tiquet(s)              3
Operaciones  :         6
Total:              1053
```

Prints from the date since the totals
have accumulated with:
- Total
- Number of tickets/ labels
- Operations
- Total amount

Report of Bovine totals
Report of totals of all the bovine sheets.
Press the validation key to print the report.

```
Fecha:      21ENE02
Hora:       16:12
Balanza:    01
Mostrador:  01

Ultimo borrado:
Num gran total:  000001
Num de copia:    002

(Lst. Vacuno              )



Ficha:       1
Codigo:      445689/0
NACIDO EN:        ESPAÑA
CRIADO EN:        ESPAÑA
SACRIFICADO EN: ESPAÑA   21ENE02
                1212444/12
DESPIECE EN:      ESPAÑA
                125555E
ELABORADO EN:     ESPAÑA
EDAD (MES):18   SEXO:H   2500,0kg

Total Peso :        4.330
Total Unid.:            0
Total Operac.:         1
Total Importe:      4330
```

Prints **for each bovine sheet**:
- Animal code
- Place of birth
- Place of growth
- Place and date of slaughter
- Place of butchering
- Place of preparation
- Age, weight and gender of animal
- Total weight
- Total units
- Total operations
- Total amount

.

Report of special family totals (Daily family)
Report of the sales totals of the special family (Daily family) separated by days since the last totals clearing
of the daily family.
It is saved for up to 30 days separately. The rest of it is saved to the last day that the daily family total was
cleared.
Press the validation key to print the report:

```
Fecha:      15DIC98
Hora:       17:23
Balanza:    01
Mostrador:  01

Ultimo borrado:  14DIC98
Num gran total:  000002
Num de copia:    000

(Total Familia:          )

14DIC98

Operaciones            4
Importe Total:       480
Peso               0,000
Unidades               4
```

Prints **for each date with family totals:**
- operations (ticket/label lines)
- total amount
- weight: sold kilograms (articles sold by weight)
- units sold (articles sold by unit)

Ticket reports
Select the number of ticket after which a report will be printed (0 - to print from the first ticket).
Press the validation key (INTRO) to enter in the sub-menu of the ticket reports.
With the (TAB) key select between NETWORK and LOCAL.
Note: The option network ticket or local ticket will only appear if the scale is connected to a network.
- The scale requests the type of report to print (SIMPLE or NORMAL). Toggle between them with
  the (TAB) key and confirm it with (INTRO).

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- The scale asks for the type of sale to print (SALE, SUPER, PACKING, SELF-SERVICE). Select with the (TAB) key and confirm with (INTRO).
- The scale asks for the ticket number to print. Enter the ticket number and confirm with the (INTRO) key.
- If the number of ticket is left in blank, the report starts with the first ticket.
- Report of tickets/labels that are saved in the system. They are separated by:
  - Sales tickets (sale and mixed mode)
  - Super labels (super mode)
  - Packing labels (packing mode)
  - Self-service labels (self –service mode)

Otherwise, the scale requests the scale number, counter, etc. (depending on the numbering used).

Simple report of tickets/labels

A report of ticket/labels reduced and separated by dates depending on the type selected.

```
Fecha:     15DIC98
Hora:      16:44
Balanza:   01
Mostrador: 01

Ultimo borrado:
Num gran total:  000000
Num de copia:    000

[Lst tiquets          ]

Mostrador:  1

01DIC98
Tiquet   : 1          300
Tiquet   : 2         1586
04DIC98
Tiquet   : 3          274
09DIC98
Tiquet   : 4          100
Tiquet   : 5          436
11DIC98
Tiquet   : 6            1
Tiquet   : 7          200
```

Prints:
- ticket number
- ticket amount

They are separated depending on the tickets' numbering.
- counter
- system
- date
- vendor
- scale

.

Normal report of tickets/labels

Report of tickets/labels separated by the elected type with the same information that is printed in the sale.
They are printed separately depending on the tickets' numbering:
- counter
- system
- date
- vendor
- scale

14.2.   Clearings

This group of functions allows the clearing of totals that are saved in the scale.
Enter in the sub-menu Totals Clearing by pressing the (INTRO) key.

Separate clearing of totals

It allows the clearing stored totals independently.
Press the validation key (INTRO) to enter in the option 'Separte Clearing'
Press the movement keys (Up or Down Menu) to display all the different clearing options.

- ***Clearing system totals. (DAILY, ACCUMULATED)***
- ***Clearing counter totals. (DAILY, ACCUMULATED)***
- ***Clearing vendor totals.***
- ***Clearing articles totals.***
- ***Clearing hourly totals.***
- ***Clearing special family totals.***

General clearing of totals

It allows the clearing of all the totals stored in the database (daily or accumulated).

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It is recommended to do a Grand Total clearing every 15 days, in order to avoid flooding of data).
Use the (TAB) to toggle between the possible types of clearing (DAILY and ACCUMULATED).
Press the validation key to request the clearing. The scale will ask for confirmation of the clearing:
- Press the confirmation key (T) to complete the clearing.
- Press the (K/ESC) key to cancel this function.
Once the clearing is confirmed, a report is printed with the system's totals, daily/accumulated of: Sale, Packing, Local Sale, and Local Packing.
The common heading of these report indicates that they are consequence of a "Totals Clearing". If there is no data to complete one of these reports, it is not completed, but the corresponding legend will indicate: Sale, Packing, etc.

Clearing of tickets

Completes a clearing of the tickets stored in the database.
Press the validation key (INTRO) to enter in Clearing of Tickets.
Use the (TAB) to toggle between '**NO**' (continuous ticket numbering) and '**YES**' (set at zero ticket numbering).
The confirmation key (T) completes the clearing.
It is very important to do a ticket clearing before the size of the assigned memory is completely full. Otherwise, the scale will show the message "Line not Saved" or "Total not Completed" and will stop printing tickets.

```
Fecha:       16DIC98
Hora:        11:17
Balanza:     01
Mostrador:   01

Ultimo borrado:  16DIC98
Num gran total:  000001
Num de copia:    000

(Borrado tiquets        )


VENTA    :          11
Total:            4674
ENVASADO:           15
Total:            5391
```

Alter the ticket clearing, the scale will print a report indicating the data that has been cleared:
- Number of tickets/ labels of sales
- Total amount of sales.
- Number of labels in packing.
- Total amount of packing.

15. PROGRAMMING

15.1.   Programming Guide

15.1.1.   Programming the Database

The form for programming the different databases is similar for all of them. In this section are defined the common steps and messages that are found during the programming of the different databases. This is done to avoid repeating the same information in each section of the menu.
The programming of an element in the database begins with the data code. The scale checks for the code in the memory. If it finds it, it displays it. Otherwise, it creates it.
After that, the scale allows for editing all the fields or items that make-up this element. When verifying an element, the scale displays the message "Checking data".
If the data does not exist, nor could be created, it will show an error message.
If the data is correct, the information of the element is displayed. The editing keys allow modification or input of data.
- The validation key **(INTRO)** accepts the data.
- The cancellation key **(K/ESC)** exits the programming without saving.
- The confirmation key **(T)** confirms the programming by saving the data in memory.
Normally, the programming is done for all the scales, except when a specific number of scale. When the scale is working in Network, it will wait for confirmation of the server scale (see 'Network Configuration').
Once confirmed, the scale will try to save the new programming. It will show 'Data Updated' when finished.
If the information cannot be updated, the scale will show an error message.

15.1.2. Clearing the Database

The clearing procedure is the same as the programming one. Enter a code to clear and the scale will display the data of the element requested (if it exists).
In the confirmation of clearing of data, the process will be the same. The only difference is the error messages displayed if the scale cannot complete the clearing.

15.1.3. Database Report

The reports are completed trough the ticket printer. If the scale only has labeler, it is possible to print the report on thermal continuous paper. First, redirect the printing of tickets to the labeler (see User Menu).
It is possible to do reports of one or various elements of the database. If before printing the database needs to check the data, the scale will show the wait message "Verifying Data".
If the scale is working in a network, there will be some data that the scale will need to verify with the server scale (For example: tickets completed in network).
Press the **(K/ESC)** key to cancel the printing.
The scale will show a printer error message if there a problem during printing.

15.2. Price changes

This option causes the automatic price change of an article after a certain date. If the programmed date is the current one, the price change is instantaneous.
Programming the price changes
Enter the code of the article. Press the validation key (INTRO).
Enter the new price and confirm it with (INTRO).
The scale asks for the price change starting date. Enter the date and confirm it with (INTRO).
Press the cancellation key (K/ESC) to return to the menu without saving the changes.
Press the confirmation key (T) and the price change will be updated in the database. Automatically continue to the next price change.
Report of Price changes
Prints a report of the price changes.

Press the validation key (INTRO) to print the report.

```
Fecha:      12JUL99
Hora:       15:36
Balanza:    01
Mostrador:  01

(Listado cambios precio)

Codigo  Precio   Inicio

1            125 14/07/99
2            155 16/07/99
```

15.3. Direct keys

In this sub-menu of direct keys, articles could be associated to keys and print the reports of the programmed keys.
Up to 10 tables of direct keys or different departments could be managed in the scale. They could be accessed directly by pressing from D0 to D4 keys, or by pressing SHIFT + table or department number.

Programming direct PLUs

Allows associating programmed articles to direct keys of the scale or the counter.
Enter in this option by pressing the validation key (INTRO).
Using the change key (TAB), select the type of programming desired (Counter or Scale) and confirm the selection by pressing the validation key (INTRO).

Scale: The programming will only affect the scale from which the programming is done.
Counter: The programming affects all the scales of the counter.

The scale requests the table number to program. Enter the table number (0 to 9) and confirm it with (INTRO). Then enter the key number and confirm it as well.
Finally, enter the article code to which we want assign the key and confirm it with (INTRO).

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Once programmed, the scale goes automatically to the programming of the following direct key.

Notes:
>   - The scale could store up to 10 different tables from 0 to 9.
>   - The number of direct keys depends on the keyboard of the scale.

Direct PLU Report

This function completes a report though the ticket printer with all the information on key assignation.

```
Fecha:      14DIC98
Hora:       11:50
Balanza:    01
Mostrador:  01

Ultimo borrado:
Num gran total:  000000
Num de copia:    000

( Listado teclas          )

( Tabla: 0                )

Tecla Cod.   Precio. Desc


1     1      120 DESCRIPTIVO P

2     15     150 MANZANA GOLDE


( Tabla: 1                )
```

Press the validation key (INTRO) to print the direct key report.

15.4. Articles

From this menu option, access all the functions related to an article, such as: programming and reports.
Press the validation key (INTRO) to enter in this option.
Use the movement keys (Menu Up and Down) to see all the different functions within the Articles menu.
Press the (K/ESC) to exit to the main menu.

15.4.1. Programming of articles

Enter in this option by pressing the validation key (INTRO).
The scale requests the article code that is to be programmed.
If the entered article does not exist, it will be created. If it does exist, it could be modified.
Use the movement keys to scroll though the article's information without modifying it.
Press the validation key (INTRO) to temporary save a programmed filed and go to the next field.
Press the confirmation key (T) to save the modifications done in the database.
The scale gives the option to enter a new article code.
Press the cancellation key (K/ESC) to exit to the previous menu without saving.

Definition of article fields

Field	Data type	Minimum Value	Maximum value	Size	Description
Code	Numeric	1	999999	6	Article code
Text	Alphanumeric			25	Article text
Sale	Both	Weight Units			Sale type: Sale of article per weight Sale of article per unit
Price	Numeric	0	999999	6	Sale price
Gradual price	Numeric	0	999999	6	Allows programming different prices in relation to the article's weight/ number of units.
VAT type	Numeric	0	4	1	Type of VAT to be applied to the article.
Counter	Numeric	0	60	2	Counter of the article

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PLU number	Numeric	0	9999	4	PLU number
Family	Numeric	0	99	2	Article Family
Expiration	Numeric	0	999	3	Expiration days
Preferable	Numeric	0	999	3	Preferable consumption days
Tare	Numeric	0	Adjust	5	Only for articles sold by WEIGHT
Shrinkage	Numeric	0	92	2	Only for articles sold by WEIGHT
Label	Both	Default 60 X 57 45 X 57 Labels prog X . No labels			Label assigned to an article. The scale could store 10 different labels.
Total Pre-selection	Numeric	0	99	2	Pre-selection total by number of labels (1 to 99).
Code EAN	Alphanumeric	EAN- 13 EAN-8			EAN-13 code to print labels if programmed or scan articles through a scanner or optical pen. EAN-8 to scan articles through a scanner or an optical pen.

VAT type: Only appears if activated in the installation menu.
Counter: It must be programmed if the access is by PLU or if the PLU number is programmed.
PLU number: It must be programmed if the access is though a PLU.
Tare: It will only appear in weighable articles. Tare that is taken once the article is selected. It substitutes the possible existing numeric tare, but not the accumulated one (that will remain). It must be a correct weight (depending on the step of the scale) or it will not have an effect.
Shrinkage: This is used for frozen articles or articles with high content of water. This data indicates what proportion of the article needs to considered as tare (what part of the weight is ice or water). It is only applicable to packaged products. If this data is programmed, the amount of each operation will be calculated on the net weight of the article (after the shrinkage is eliminated from the net weight indicated by the scale)
Article code: The article code is unique for the whole store. It is used only if 'Codes Access" is activated in the 'Sale Configuration' menu.
The **PLU number** is unique for a counter, but it could be repeated in other counters. This number is entered as an article identifier for sale transactions. The "PLU Access' in the 'Configuration menu\Scale\Operating system' needs to activated.
The Family is an independent grouping of articles and it is not necessary to enter it.
The Pre-selection total (in packing mode) allows the scale to automatically print a total label after XX completed labels. The XX is the number value programmable in this field. This type of pre-selection has priority over any other that the scale may have active.
Gradual price:
- Allows up to 3 price levels.
- The first price step is programmed normally.
- To program the rest of the steps:
  - When programming the article activate the option gradual price (ON).
  - Enter the weight up to which the first price will be active.
  - Repeat the first step twice.
  - The prices need to be decreasing and the weight/units need to be increasing.
- The extra weight and prices are saved as sale offers (same database).
  NOTE: An article could only have one of the three options activated: gradual price, sales offer, or price change.
Associated prices:
An article could manage up to three different prices, selectable with the TAB key. Price 1 is the main price and Price 2 and 3 are secondary and subject to the following conditions:
  - An article cannot have both: a gradual price and an associated price.
  - The maximum number of articles with associated price is the same as the number with gradual price (in the ARM 400 range).
Expiration days: If the number of expiration days is 0, the expiration date will not be printed. If the number of days is 999, neither the expiration nor the packaged date will be printed.

Possible errors:

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Error	Description
Incorrect code	Article code out of limits.
Incorrect data	Other type of data out of limits.
Family not permitted	If working with 'Daily Family' and there is no access.
Article error	Unable to program.
Not updated	The database is not updated.

15.4.2. List of Articles

Print out of articles' related information.
With the change key (TAB) toggle between the available report formats (SIMPLE and NORMAL) and confirm with (INTRO).
Use the movement keys to select between the possible report types:
- **Report of articles by code**
- **Report of articles by PLU number**
- **Report of articles by counter**
- **Report of articles by family**

SIMPLE REPORT

```
Fecha:      16DIC98
Hora:       12:45
Balanza:    01
Mostrador:  01

(Lst. de articulos        )

1       DESCRIPTIVO PLU 1
2       DESCRIPTIVO PLU 2
```

NORMAL REPORT

```
Fecha:      16DIC98
Hora:       12:49
Balanza:    01
Mostrador:  01

(Lst. de articulos        )

     1 DESCRIPTIVO PLU 1

Plu  Mos Fan Precio F Venta Iva
   1   1   1    120 Uni      0,00

     2 DESCRIPTIVO PLU 2

Plu  Mos Fan Precio F Venta Iva
   2   1   0    140 Peso     0,00
```

15.4.3. Elimination of Articles

This function allows for the elimination of an article from the database.
Enter in this option by pressing the validation key (INTRO).
The scale asks for the article code (6 digits maximum). Enter it and confirm it with (INTRO).
The requested article's text is displayed.
Press the confirmation key and the article will be eliminated from the database and the scale ask for the next article code to eliminate.
To display the price, family, sale mode, PLU number, and article code in this subsequent order, press the movement keys.
Press the cancellation key (K/ESC) to exit to the Menu.

Note: An article with accumulated totals cannot be eliminated.

Possible errors:

Error	Description
Incorrect code	Article code out of limit
Art. does not exist	Article is not programmed
Totals not cleared	Article with accumulated totals is not cleared
Article error	The article could not be eliminated
Not updated	The database is not updated

.

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15.4.4. Programming the Article's description

This function allows programming the descriptive texts that are printed on the article's labels.
Up to 40 lines of 25 characters per article could be programmed.
Enter in this option by pressing the validation key (INTRO). Enter the article code and confirm with (INTRO).
The indicator shows the description line to be programmed and the code of the selected article. If the descriptions are already programmed, they are displayed and could be modified. The text is entered using the alphanumerical keys.
The movement keys allow viewing the description lines without modifying them.
Press the (INTRO) key to accept the entered text and go to the next line.
Press the confirmation key (T) to store the modifications in the database.
The scale asks for the next article to be programmed.
The description lines cannot be modified if the article belongs to a family programmed in 'Daily Family' and the access is other than **Administrator**.

Possible errors:

Error	Description
Article error	The article does not exist

15.5. Advertisement

This Menu allows for the programming of advertisement text and the way in which it appears over the display.
The programming could be done for a scale, counter, or the whole store.
Enter in the sub-menu by pressing the validation key (INTRO).
Use the movement keys to display the different options of the sub-menu (CONFIGURATION, TXT OFFERS, CONTINUOUS TXT):

15.5.1. Advertisement Configuration

Group of functions for the advertisement configuration
Enter in this option by pressing the validation key (INTRO).
Use the movement keys to different functions of the advertisement configuration menu.
Press the cancel key (K/ESC) to return to the main menu.

Advertisement activation
This function allows activating the advertisement in the scale.
Use the (TAB) key to toggle between activating (ON) and deactivating (OFF) the advertisement.
Press the validation key (INTRO) and then the (T) key to confirm the selected option.

Advertisement type
Selection of the scale's active advertisement type.
Use the (TAB) key to toggle between SALES OFFER (10 different messages that appear consequently in the display) or CONTINUOUS (100 characters that will be appearing in the display, moving from right to left).
Press the validation key (INTRO) and then the (T) key to confirm the selected option.

Activation time
The advertisement will activate automatically after the scale has been inactive for the time programmed in this function. Enter the time in seconds (from 1 to 99) and validate with the (INTRO) key.
Press the confirmation key (T) to confirm the entered value.

.

Time for complete display shut off/ Activation of the Bit Map
After the programmed time in this option passes, the display turns off leaving only the led Stand-by light turned on.
Enter the time in minutes (from 0 to 99) and validate it with (INTRO).
Enter the validation key (T) to confirm the entered value.
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Press any key or change the weight on the platform to return the scale to normal.
Note: If an image (Bit MAP) is programmed, the display will not turn off after the time has passed. Instead it will show the programmed image.

15.5.2. Programming the Sale Offers

This function allows programming the texts of 10 sale offers.
Enter in this option by pressing the validation key (INTRO). Using the alphanumeric keys, enter the text (15 characters) in the line to be programmed.
Use the movement keys to browse though the programmed lines.
Press the validation key (INTRO) to confirm an entered line and go to the next.
Press the confirmation key (T) to save the programmed offers in the database.
Press the cancel key (K/ESC) to exit out of the programming of sale offers.

15.5.3. Programming Continuous Advertisement

This function allows programming the 4 texts (25 characters each) of continuous advertisement. The offers will be displayed as a single text.
Press the validation key (INTRO) to enter in this option.
Enter the text using the alphanumeric keys.
Use the movement keys to browse though the programmed lines.
Press the validation key (INTRO) to confirm an entered line and go to the next.
Press the confirmation key (T) to save the programmed lines in the database.
Press the cancel key (K/ESC) to exit out of the programming of sale offers.

15.6. Texts

This option allows programming the texts of the HEADINGS, LEGENDS, and FREE TEXT.
Enter in the sub-menu by pressing the validation key (INTRO).
Press the movement keys to see the 3 options of the sub-menu.

15.6.1. Programming the Headings

This function allows programming 5 heading lines of 25 characters each. The heading lines appear in the upper part of the **ticket**.
Press the (INTRO) key to enter in this option.
Types of Characters available:
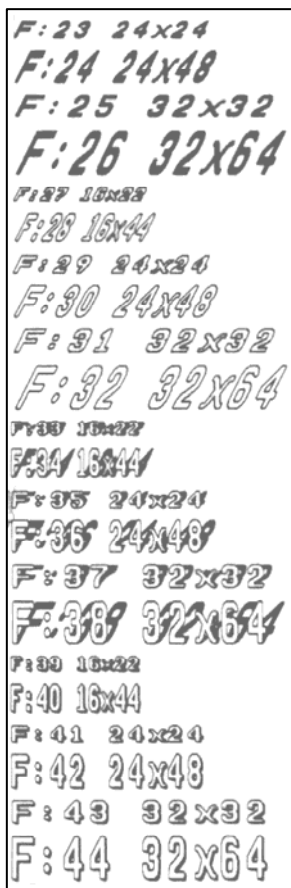
Use the movement keys to change the editing line.
Enter the line using the alphanumeric keyboard and confirm with the validation key (INTRO). This confirms the line and moves to the next line to be programmed.
Once the programmed lines are confirmed, press the (T) key to updated the information in the database.
Press the (K/ESC) key to exit without saving.
The (TAB) key allows changing the letter type.

.

15.6.2. Programming the Legends

This function allows programming 5 legend lines (25 characters each). They will appear in the lower part of the **ticket**.
They are programmed the same way as the headings.

15.6.3. Programming the Free texts

This function allows programming 10 lines of free text (25 characters each). The lines of the free text could be printed in the **label**.
To print the free text in a label, the label has to be configured to display free texts.
The free texts are programmed the same way as the ticket's headings.

15.7. Bar codes

This option allows programming the bar codes that could be used in the scale. Although the most often used bar code is EAN13, the CODE128 and EAN128 bar codes are programmable as well.
Enter in the sub-menu with the validation key (INTRO).
Use the movement keys to visualize the 3 sub-menu functions:
- EAN13
- EAN128
- CODE128

Press (INTRO) over any of the bar code types to proceed with its programming.

15.7.1. Programming the Bar Code EAN13

This function allows programming the different EAN13 bar codes that could be used in the scale depending on the Sale mode used and whether it is working in Local or Network Mode. That is why each one could be programmed independently.
Press the validation key (INTRO) to enter in this option. The first programmed bar code is displayed.
Press the (INTRO) key to confirm the bar code and go to the next.
Press the confirmation key (T) to save the modified bar codes in the database.

Types of bar codes:

Sale net/loc: Sale mode in network and local.
Sup net/loc: Super mode in network and local.
Pack R-1/L-1: Packing type 1 in network and local.
Pack R-2/L-2: Packing type 2 in network and local.
Tot L-1: Total packing type 1 local.
Tot L-2: Total packing type 2 local.

If the bar codes for totals for bar codes type 1 and type 2 are no programmed, the scale will use the normal packing ones.

Programming
The bar code consists of 12 digits of configurable data and 1 control inaccessible digit.
The bar code is programmed using the alphanumeric keys. The numeric keys are used for fixed data and certain alphabetic charactes are used for variable data.

Valid alphanumeric keys

Z	Price	M	Country
W	Weight	F	Manufacturer
I	Amount	N	Scale's number
T	Ticket number	Y	Counter
P	PLU Number	0 .. 9	Fixed digits
C	PLU Code	D	Prints weight without the last decimal.
V	Vendor	K	Middle control digit (position 7)
O	Order number	J	Amount in the national currency. (Independent of the Euro Phase).
A	Line number	X	Client's code
L	Lot number	U	Units
G	Net weight before shrinkage (only in packing)	Q	Amount without VAT

Note: Enter as many equal characters one after another as the desired number of digits in that field. For example, if the field "ticket" needs to have 5 digits, program **TTTTT**.

Programming example:

Programming: [2] [V] [V] [T] [T] [T] [T] [I] [I] [I] [I]

If vendor 7 completes ticket number 56 with amount of 600, the bar code that appears will be: 2070056006002.

- 2 : Fixed value
- 07: Vendor.
- 0056: Ticket number.
- 00600: Amount.
- 2: Control digit.

15.7.2.   Programming the Bar Code EAN128

This menu allows programming the printing of the EAN128 bar code.
Five different formats of EAN128 are available for programming. For example, program a different format for the weighing labels and the total labels.
Enter in this option by pressing the validation key (INTRO). The scale asks for the EAN128 number to be programmed (from 1 to 5).
Proceed with the programming of different identifiers that are admitted by the scale ('ON' prints the EAN128 bar code with this identifier; select 'OFF' so that the identifier does not appear in the bar code.
Press the validation key (INTRO) to confirm the entered identifier and continue to the next identifier (repeat the same process).
Press the (T) key to save the selected data and return to the anterior menu.
Press (K/ESC) to exit without saving.
A variety of identifiers (IA) could be selected for the EAN128 bar code.
If none is selected, the bar code EAN128 will not print.
This bar code will only print in labels in the space reserved according to the configuration of the label. If the reserved space is insufficient to completely print the bar code, it will not print at all. The scale will automatically divide the reserved space in up to 5 lines of bar code "to increase" the available space (prints smaller bars). In this case it will cut the programmed bar codes between the different identifiers.

Revision 1.0

Accepted IAs:

- 00 Cod. Ser: Serial code
- 01. Cod Prod.: EAN13 of product code.
- 02. C.P.Cont: EAN article number of the products contained inside the other unit (obligatory for the IA37). This identifier is double. Once active, it prints the IA02 that corresponds to the EAN13 of the article (with 0 in front) and IA37 that needs to print the number of labels.
- 10. Num Lot: Lot number
- 11. Fab Date: Manufacturing date (bovine: slaughter date).
- 13. Pack date: Packing date
- 15. Pref Cons: Preferred consumption date
- 17. Exp date: Expiration date
- 21. Num Ser: Serial number. It is obtained by uniting the lot number and the number of the scale's order.
- 251. Ent Font
- 30: Quantity
- 310. Net W: Net weight. The code 310x is printed (x being the decimal numbers of the weight). Ex.: in scales of 15 kg, it will print IA 3103.
- 330. Gross W: Gross weight. The code 310x is printed (x being the decimal numbers of the weight). Ex.: in scales of 15 kg, it will print IA 3103.
- 400: Order.
- 414: Num. Loc.
- 422. Coun. Birth. Country of birth (bovine).
- 423. Coun. Grow: Country of growth (bovine).
- 426. Coun. Orig: Country origin (bovine).
- 7030. Coun. Slaughter: Country of slaughter (bovine).
- 7031. Coun. Butcher: Country of butchering (bovine).
- 8005. Price: Price
- 950. Category: Pedigree-Category (bovine).

15.7.3.   Programming the CODE128 bar code.

This option allows programming up to 3 different formats of CODES128 bar codes. The procedure of programming the CODE128 is the same as the EAN 13, with up to 30 digits available for programming.
In order for the scale to print it, the CODE128 need to be previously configured in the label.
Press (INTRO) to enter in the option and enter the CODE128 number to be programmed. Press (INTRO) again to confirm the selection.
Press (T) to save the CODE128 in the database.
Press the (K/ESC) to exit without saving.

15.8.   Vendors

This sub-menu allows programming and report of information relative to vendors.
Enter in this sub-menu by pressing the validation key (INTRO).
Use the movement keys to display the different functions of the vendor menu.
Press the (k/esc) key to exit to the main menu.

PROGRAMMING OF VENDORS.
Press the (INTRO) to enter in this option.
Enter the vendor code (4 digits) and press (INTRO). Continue by entering the name of the vendor, using the alphanumeric keys (30 characters) and press (INTRO) to validate.
Once the data is programmed, press (T) to update the database.
Notes:
If working with the option 'Automatic registration of vendors' activated (by default) and have completed sales without a programmed vendor, they will be created automatically with MMTT code (MM: counter number and TT: key number).

Possible errors:

Error	Description
Operation erroneous	The vendor was not programmed.

VENDOR REPORT
This option prints the information of the existing vendors.

```
Fecha:      16DIC98
Hora:       12:11
Balanza:    01
Mostrador:  01


(Listado vendedores   )




Codi Nombre          Mo Te
101  NOMBRE           1  1
```

For each vendor it prints:

- Code
- Name
- Counter
- Assigned key

DELETING VENDORS
This option allows deleting vendors from the database.
In order to be able to delete a vendor from the database, 2 conditions need to be met:
- The vendor's totals need to be at zero.
- If using registration/deactivation of vendors, the vendor cannot be connected to any vendor key. In other words, in the report of vendors, the counter and key columns need to be blank. To accomplish this, deactivate the vendor in the registration/deactivation of vendors.

Press the validation key (INTRO) to enter in this option.
Enter the vendor key to be deleted and press (INTRO). The name of the vendor appers.
Press the confirmation key (T) to eliminate the selected vendor. The scale ask for another vendor to eliminate.
Press (K/ESC) to exit to the main vendor menu.

Possible errors:

Error	Description
Totals not cleared	The vendor has accumulated sales.
Vendor does not exist	The entered code does not exist in the database.
Vend already conected	The vendor is connected to a key. Deactivate the vendor in the Activation/Deactivation of vendors function first before eliminating him.

15.9.   VAT

Group of functions for the configuration of VAT in the scale.
Press the validation key (INTRO) to enter in this sub-menu.
Use the movement keys to display the different functions of the VAT menu.
Use the cancel key (K/ESC) to return to the configuration menu.

Programming the Vat
This function allows programming the 5 different types of VAT to be used in the scale. This programming will affect all the scales connected to the network.
Press the validation key (INTRO) to enter in this option.
Enter the VAT code (4 digits) and validate. The scale will ask for the value of the VAT. Enter it (4 digits) and press (INTRO).
Press the confirmation key (T) to save the programmed VAT in the database. The scale requests the next VAT code to be programmed.
Press the (K/ESC) to cancel the programming of VAT.

Revision 1.0

VAT Report
Prints a report of the programmed VAT

```
Fecha:      22DIC98
Hora:       12:28
Balanza:    01
Mostrador:  01

┌─────────────────────────┐
│  Lst de IVAS            │
└─────────────────────────┘

 Cod   Iva
_____

   0    0.00
   1    7.00
   2   15.00
```

Press the validation key (INTRO) to print the
report.

Programming of VAT by default
Select the VAT type that the scale will use when working with direct prices. This programming affects all
the scales in the network.
Enter the desired VAT code and press (INTRO).
Note: The selected VAT needs to be programmed.

15.10.   Tare Codes

This function allows encoding 10 tares, which could be used with the function 'Manual Tare by code'.
Enter in this function by pressing the (INTRO) key. The scale requests the tare code to be programmed.
Enter the code (0-9) and press (INTRO).
Then enter the value of the tare and press (INTRO).
Press the cancellation key (K/ESC) to exit to the menu without saving the changes.
Press the confirmation key (T) to update the programmed tare in the database. Continue encoding more
tares.

15.11.   Discounts

This menu allows programming the discounts to be applied when using the discount keys
(SHIFT+INTRO). This applies to discounts in each ticket line as well as the ticket total.
If the discounts are not programmed yet when the discount key is used, it will request the discount value
to apply.
Enter in this sub-menu by pressing the validation key (INTRO).

Discounts on sale line
This option allows programming individual discount on the price of each article in each sale completed.
Enter the value (0-99) and validate it.
Discounts on total.
This option allows programming the ticket's total discount.
Enter the value (0-99) and validate it.

NOTE: When applying the discount, during a few seconds the scale shows the text "Disc. in line: 5" or
"Total disc: 3." The 5 and 3 are the discounts applied in each case.

15.12.   Price Offers

Temporary modifications in the price of an article. The original price of the article is not eliminated. It is
simply substituted for the period of time of the offer.
Enter in this sub-menu by pressing the validation key (INTRO).

Revision 1.0

Use the movement keys to display the different functions of the offers menu.
Press the (K/ESC) to exit to the main menu.

15.12.1. Programming the Offers

Programming of temporary price offers.
The scale requests the article code. Enter it and press (INTRO).
Enter the new price and press (INTRO).
The scale asks for the offer's starting date. Enter it and press (INTRO).
Then enter and validate the offer's end date and validate it.
Press the cancel key (K/ESC) to exit to the menu without saving the changes.
Press the confirmation key (T) to save the offer and continue to the next one.

15.12.2. Price Offers Reports

Prints a report of the programmed offers.

Press the validation key (INTRO) to print the
report.

```
Fecha:      12JUL99
Hora:       15:41
Balanza:    01
Mostrador:  01

Lst.ofertas precio

Codigo  Precio   Inicio     Final

1            115 14/07/99 16/07/99
2            125 14/07/99 15/07/99
```

.

15.13. Clients

This option allows programming and report of the clients. The client's name could be programmed to
appear not only on the packing labels, but in the headings of Sale/Mixed mode tickets as well. To use this
option, see the Configuration menu Scale\Clients in ticket (OFF/ON/pref).
Press the validation key (INTRO) to enter in this sub-menu.
Use the movement keys to display the different functions of the clients menu.

15.13.1. Programming the Clients

Enter in this option by pressing the validation key.
The scale requests the client's code. Enter the code (5 digits maximum) and validate it. Continue by
completing the five available lines of text and validate them with (INTRO).
Press the cancel key (K/ESC) to return to the menu without saving any changes.
Press the confirmation key (T) to update the client's information in the database and continue with the
next client.

Possible errors:

Error	Description
Programming Error	The database is full.
Code Error	The code is erroneous or it has not been validated.
Incorrect data	There is incorrect or invalid data.

Revision 1.0

15.13.2.   Report of clients

```
Fecha:      17DIC98
Hora:       13:59
Balanza:    01
Mostrador:  01

( Lst de clientes        )

Codigo

Codigo Nombre
_____

1        CLIENTE UNO
2        CLIENTE DOS
```

Press the validation key to print the report.

15.14. Orders

Orders management done through the scale. The orders information could be listed using the printer and sent to a computer via Ethernet or RS-232.
The orders' fields in the database are: Code, Description, Type of sale, Quantity of article ordered. The orders database consists of 100 elements and it is saved only in server scale.
Enter in the sub-menu by pressing the validation key (INTRO).
Use the movement keys to display the different functions in the orders menu.

Updating of orders
This option allows for ordering articles from the central warehouse through the scale. The ordering could be done at any moment without the need of verbal or written communication with the central merchandise warehouse.
The scale requests the article code. Enter the code (6 digits maximum) and validate it. The description of the article is displayed.
The scale checks the orders database for this article. If it finds it in an order, it displays the current value of the article and it permits modification. If the article does not exist in the orders database, the scale checks the database for information on the article and creates a new order entry.
If the article does not exist, the scale will give an error in data consulting.
For a moment the scale shows the description of the article and then requests the order quantity of the article (in weight or units).
Enter the value (in weight or units) and press (INTRO).
Press the confirmation key (T) to save the operation in the database and continue entering orders.

Report of orders

Press the validation key (INTRO) to print the report.

```
Fecha:      07JUL99
Hora:       15:35
Balanza:    01
Mostrador:  01

( Lst de Pedidos         )

Cod. Articulo          Cantidad

1     MANZANA GOLDEN        40.000
2     ARTICULO NUMERO 2         30
```

```
Fecha:      07JUL99
Hora:       15:35
Balanza:    01
Mostrador:  01

( Lst de Pedidos         )

Cod. Articulo          Cantidad

1     MANZANA GOLDEN        40.000
2     ARTICULO NUMERO 2         30
```

Clearing of orders by code
This operation allows for the deletion of orders by article.
The scale requests the code of the article.

Revision 1.0

Enter the code y press (INTRO) to validate the deletion.
Press the confirmation key (T) to complete the deletion.

Clearing of complete orders
This option allows deleting entire orders of articles.
The scale requests confirmation of the deletion.
Press the (T) key to complete the deletion.

15.15. Inventory
Maintenance of the inventory of products through the scale. The inventory could be listed using the printer and sent to a computer via Ethernet or RS-232.
The information of the Inventory is an additional field in the article database and it is only saved in the server scale.
Enter in the sub-menu by pressing the validation key (INTRO).
Use the movement keys to display the different functions of the inventory menu.

Updating the inventory
Enter in this option by pressing the validation key (INTRO).
The scale requests the article code. Enter and validate it.
The scale checks for the selected article in the database. If it exists, it displays the current value of inventory for this article.
The scale shows the article code, the quantity programmed up to the moment, and for a brief moment, the description of the article.
If the article does not exist, the scale gives an error in data consulting.
The inventory operations could be positive or negative and are accumulative. If various operations with one article are completed, the inventory quantity will be the sum of all the operations.

Updating the inventory for weighable articles
The entry to the inventory for weighable articles could be done manually, by entering the value of the weight using the numeric keys. It could also be done by placing the inventory product on the scale's platform. Once the value is displayed (in both cases), validate it with (INTRO).

Updating the inventory for unweighed articles
Enter the number of units and validate it.
If the subtraction function is pressed before the validation, the operation will have negative value.
Press the confirmation key (T) to save the operation in the database and continue with the next entry.

Inventory Report

Press the validation key (INTRO) to print the report.

```
Fecha:     07JUL99
Hora:      17:46
Balanza:   01
Mostrador: 01

( Lst de Inventario    )

Cod. Articulo          Cantidad

1    MANZANA GOLDEN       12.000
2    ARTICULO NUMERO 2        40
```

Clearing the inventory by article
This option allows clearing the inventory by article.
Enter in this option by pressing the validation key (INTRO).
The scale requests the article code to clear. Enter the code and validate it. The scale asks for deleting confirmation (T).

Clearing the entire inventory
This option allows clearing the entire inventory.
Enter in this option by pressing the validation key (INTRO).
The scale asks for deleting confirmation (T).

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15.16. Merchandise

A set of functions that give control over the entry of merchandise.

ENTRY OF MERCHANDISE
This function allows the entry of data relative to merchandise.
The scale asks for the article code. Enter the code (6 digits) and validate it.
Enter the weight in grams and validate it.
Enter the certificate number (12 digits) and validate it.
Enter the date of entry and validate it.
Press the confirmation key (T) to update the entry in the database and continue with the next entry.

Possible errors:

Error	Description
Incorrect data	There is incorrect or invalid data.
Article does not exist	The article is not programmed.
Programming Error	It could not be programmed.

MERCHANDISE REPORT

Press the validation key (INTRO) to print the report.

```
Fecha:     17DIC98
Hora:      16:53
Balanza:   01
Mostrador: 01


( Lst de mercancias     )

Fecha

  Codigo N.Certificado Peso


17DIC98
   1      123            17.000
17DIC98
   2      4125           15.000
```

MERCHANDISE CLEARING
Completes a total clearing of the mercahndise database.

15.17. Bovine

15.17.1. Programming the bovine

This menu allows programming the "sheets" with the corresponding data of a canal or a bovine meat lot.
It includes all the specifications of the current bovine labeling norm.
   This data is saved in a database, mutual to all the scales in the network.
   Up to 255 sheets could be programmed.
Enter in this sub-menu by pressing the validation key (INTRO).
Use the movement keys to display the different options of this sub-menu.
Press the (K/ESC) key to return to the main menu.
   Sheet
It allows selecting the number of the sheet to be programmed. When entering this menu, the scale automatically indicates the number of the first empty sheet.
Enter sheet number (1-255) and validate it with (INTRO).
   Code
It allows activating the ear-tag number.
Enter the number of the tag with the alphanumeric keys (20 digits) and validate it.
   Lot number
It allows entering an animal code or lot number of a group of animals.
Enter the lot number with the alphanumeric keys (20 digits) and validate it.

Revision 1.0

Production

It allows activating the country of production (for manufactured products like ground meat, etc…).
It needs to be programmed in the country database. Enter the country code and validate it with (INTRO).

Birth

It allows activating the country of origin. It needs to be programmed in the country database. Enter the country code and validate it with (INTRO).

Birth date

It allows entering the date of birth of the animal.
Enter the date and validate it with (INTRO).

Growth

It allows activating the country of fattening. It needs to be programmed in the country database. Enter the country code and validate it with (INTRO).

Slaughter

It allows activating the country of slaughter. It needs to be programmed in the country database. Enter the country code and validate it with (INTRO).

RSI Slaughter

It allows activating the slaughter house's ID number. Enter the ID number with the alphanumeric keys (10 digits) and validate it with (INTRO).

Date of Slaughter

It allows entering the slaughter date of the animal.
Enter the date and validate it with (INTRO).

Butchering

It allows activating the country of the butchering house. It needs to be programmed in the country database. Enter the country code and validate it with (INTRO).

RSI Butcher

It allows activating the butcher house's ID number. Enter the ID number with the alphanumeric keys (10 digits) and validate it with (INTRO).

Date of Butchering

It allows entering the date of butchering of the animal.
Enter the date and validate it with (INTRO).

Category

It allows selecting the category.
Select the category with the (TAB) key and validate it with (INTRO).

Pedigree

It allows selecting the pedigree.
Select the pedigree with the (TAB) key and validate it with (INTRO).

Age

It allows selecting the age of the animal (in months).
Enter the age of the animal and validate it with (INTRO).

Gender

It allows selecting the gender of the animal.
Enter the gender of the animal ('M' for male, and 'F' for female) and validate it with (INTRO).

Weight

It allows entering the weight of the animal in the moment of slaughtering.
Enter the weight of the animal in Kg with on decimal and validate it with (INTRO).

Text

It allows entering a 25-character text that will appear in the bovine labels done with this sheet.
Enter the text with the alphanumeric keys and validate it with (INTRO).

Press the cancel key (K/ESC) to return to the menu without modifying the data.
Press the confirmation key (T) to save the sheet and print a verification label.

15.17.2.   Total Sheet

It allows totaling the bovine sheets so that their data could be modified.
Enter in this option by pressing the validation key (INTRO).
Enter the sheet number (1-255) and validate it with (INTRO).
The scale indicates the code of the animal. Validate it with (INTRO).
The scale prints the total of the sheet and marks it as finalized.

```
Ficha:        1
Codigo:     445689/0
NACIDO EN:        ESPAÑA
CRIADO EN:        ESPAÑA
SACRIFICADO EN: ESPAÑA   21ENE02
                1212444/12
DESPIECE EN:      ESPAÑA
                125555E
ELABORADO EN:     ESPAÑA
EDAD (MES):18   SEXO:H   2500.0kg

Total Peso :       4330
Total Unid.:          0
Total Operac.:        1
Total Importe:     4330
```

NOTE: If using traceability in sales, the totaled sheet is cleared when the tickets are cleared. Up to that moment the sheet cannot be reprogrammed.

15.17.3.   Bovine Report

Prints a report of the database of the bovine sheets.

```
Fecha:        21ENE02
Hora:         13:05
Balanza:      01
Mostrador:    01

( Lst. Vacuno                )

Ficha:        1
Codigo:     445689/0
NACIDO EN:        ESPAÑA
CRIADO EN:        ESPAÑA
SACRIFICADO EN: ESPAÑA   21ENE02
                1212444/12
DESPIECE EN:      ESPAÑA
                125555E
ELABORADO EN:     ESPAÑA
EDAD (MES):18   SEXO:H    2500kg
```

Press the validation key (INTRO) to print the report.

15.17.4.   Programming the Countries

Maintenance of the country database. It allows programming up to 50 countries.
Enter in this option by pressing the validation key (INTRO).
The scale asks for the country code. Enter the code (2 digits) and validate it. Then enter the text of the country using the alphanumeric keys (20 characters).
Press the cancel key (K/ESC) to exit to the menu without saving.
Press the confirmation key (T) to update the country database and continue with the programming of the next country.

15.17.5.   Clearing of countries

This option allows deleting countries by their code.
Enter in this option by pressing the validation key (INTRO).
The scale requests the country code. Enter the code (2 digits) and validate it with (INTRO). The scale displays the country's text.

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Press the (K/ESC) to exit to the menu without saving.
Press the confirmation key (T) to delete the selected country.

15.17.6. Countries report

```
Fecha:      18DIC98
Hora:       09:14
Balanza:    01
Mostrador:  01

┌─────────────────────────────┐
│Listado de paises            │
└─────────────────────────────┘

Codigo


Pais                    Codigo

PAIS 1                       1
PAIS 2                       2
 INDETERMINADO               0
```

Press the validation key (INTRO) to print the report.

16. CONFIGURATION
16.1. Scale

16.1.1. Ticket configuration

This Menu allows modifying the configuration of tickets.
  Receipt printing: Receipt (YES **/ AUTO / NO**).
Configuration of receipt printing.
Note: The receipt will only print in **Sale, Mixed**, and **Super Mode with printer.**

  Receipt type: Receipt (Normal **/ Simple**)
This function allows selecting whether the headings will be printed in the receipt.
  Bar code printing in ticket: CB ticket (YES **/NO**)
  Bar code printing in receipt: CB receipt (YES **/ NO**)
  Control 7 in bar code: Control 7 (NO **/ YES**)
Activate Control 7 (middle control) in the bar code.
  Bar code by counter in tickets: CB counter (NO **/ YES**)
Various bar codes are printed in the same ticket in relation to the counters to which the articles belong.
  Print VAT in ticket: VAT ticket (NO **/ YES**)
Selects whether the VAT is printed at the end of the ticket.
  Loyal Clients: 1 Point (0,00)
1 Point = 0: ("loyal clients") Euros are equivalent to 1 point. This option allows printing the legend "Points: nnn" at the end of the ticket. The nnn value is obtained by dividing the amount by the programmed value in this option. If the selected value is 0, the legend will not print in the ticket.

.
  Client sequence: Client ticket (NO **/ YES / Pref**)
This is only functional if the scale works in packing mode and with programmed articles (not with direct prices).
If activated, the scale will ask for the client's number when the article is entered.
  Headings in totals: Totals headings (NO **/ YES**)
The programmed headings will print in all the total reports if this option is activated.
  Discount in ticket: Disc ticket (NO **/ YES**)
If this option is activated, it allows entering discounts per line or discount on the total amount. The discounts are a percentage off the price of the article or a percentage off the total.
  Number of descriptions: Num descriptions (0)
This option allows printing the first descriptive lines of an article (10 lines maximum).
Select the number of lines to print. These lines are printed below the main descriptive line of the article. They are centered and one below the other. If an article has 3 descriptive lines, but one of them is left blank, only 2 descriptive lines will print.
  Paper advance: Advance paper (360)
The paper advancement is done by the printer after finishing any printing. This function allows configuring this advance so that the paper comes out enough and avoids cutting some of the printing. The permitted value is from 0 to 999, which is equivalent to the motions done by the printer's motor.
  Reload advance: YES / NO

Revision 1.0

It allows configuring whether the printer's motor stops automatically when the paper is reloaded.

Double Beep: (YES**/NO)**

Select whether the scale makes a double sound at the end of an operation and a total.

Printer test:

The printer prints a printer test that includes all the available letter types. It also prints some boxes that allow verifying the status of the thermal head.

Examples of printer tests:
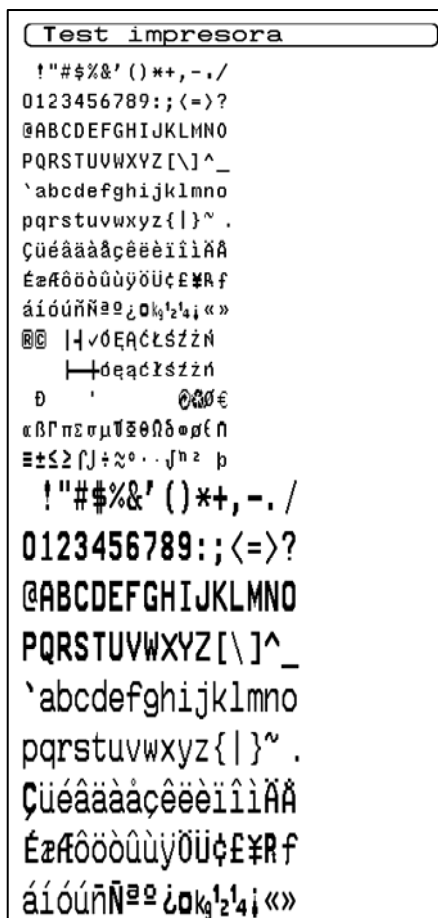
Printer configuration

Advance speed

This function allows adjusting the speed of the printer in cm/sec. The speed depends on the type of mechanism used. It comes configured from the factory and it should not be modified.

Burning intensity

This function allows adjusting the burning intensity of the labeler in % of the total time (more time means darker printing.

Selecting the printer type: Printer: CP290/**CLDF**

This option lets you select the printer by default: CP290.

16.1.2. Labels configuration

This function allows modifying the configuration of labels.

Labels by default: Lbl by default (1**/ 2**)

This function allows selecting a group of **labels** from the pre-configured ones in the scale.

The labels are configured using a Windows based program in a PC and then are transmitted to the scale via Ethernet and/or RS-232.

External Labeler: YES/NO

Select whether the labeler used is external.

Selection of External labeler:

Weight: Internal/External

Manual total: Internal/External

Pre-selection 1: Internal/External

Pre-selection 2: Internal/External

Pre-selection 3: Internal/External

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Lbl Copy: (SI/NO**)**
It allows printing copies of the last label printed though the external labeler.
Client Sequence: Client Sequence (NO **/ YES**)
If activated, once the article is entered, the scale asks for the client's number.
Printing the expiration date with 0 days: Print dates (NO**/YES**)
It allows printing the expiration date, even though the expiration days are 0: products to be consumed the same day they are packaged.
Bar codes in packing: CB packing (1 **/ 2**)
Select the bar codes to be used in packing mode between the 2 available ones.
EAN 13 Article: Printing +Selection / Selection
It allows selecting whether the EAN 13 bar code programmed in the article will be used in the EAN13 bar code or not.
00 Cod. SER: Fixed/**Meter**
It allows selecting whether the IA for the EAN128 will be a programmable data in "EAN 128 DATA" or a meter.
30 Quantity: Fixed**/ Meter**
It allows selecting whether the IA for the EAN128 will be a programmable data in "EAN 128 DATA" or a meter.
37 Meter Unit: Fixed/Meter
It allows selecting whether the IA for the EAN128 will be a programmable data in "EAN 128 DATA" or a meter.

Country code: Country (84)
This function allows programming the Country code that would be a part of the Bar Code.
Manufacturer Code: Manufacturer (0)
This function allows programming the Manufacturer code that would be a part of the Bar Code.
Labeller Configuration
Advance speed (90)
This function allows adjusting the speed of the printer in cm/sec. The speed depends on the type of mechanism used. It comes configured from the factory and it should not be modified.
Burning intensity (45)
This function allows adjusting the burning intensity of the labeler in % of the total time (more time means darker printing.

Heading in label (50)
This option defines the space (in pixels) that will be used for the heading of the label. It is 10 mm by default.

Labeler model: Labeler (**RLME/BH53/BH80/AH880/**LPM2000)
This option allows selection of the labeler model used (LPM2000 by default).
Photocell detector adjustment: Aut. opto-cab. (**YES /** NO)
If this option is activated, the scale regulates automatically the exit of the label when the cartridge is changed. By default it is NO.
Printer Head distance (350)
Indicates the distance between the label detector and the printer head burning line. It is a value that comes programmed from the factory and it should not be changed.
Automatic label length: Label length (444)
This function calculates and displays the length of the label in pixels. It is useful to define precisely the size of the label to be programmed in Gedit.
Photocell Adjustment: Photocell label (800)
This function allows adjusting the sensitivity of the labeler detector (paper/no paper) in the labeler. It is essential to do it at least once when the program is loaded and when the type of label is changed.
Rewinder: Printer and Labeler/ Printer/ Labeler/ Neither
Selects in what work mode should the label rewinder work.
EPX200:
This group of options allows configuring the functioning of the external labeler model EPX220.
Burning intensity: Value between 1 and 19 (default value = 5).
Advance speed: Value between 1 and 9 (default value = 5).
Mode: Direct **/ Transfer** Selection of the printing type: direct or thermal transfer.
Advance Paper: Value between 1 and 40 (by default = 20) advancement of paper after the printing of the label.
Gap: Separation between labels (by default = 3 mm).
Stripper: YES/NO: Selects whether the labeler cuts the label with a cutter or not.

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Vertical displacement: Allows adjusting the displacement of the vertical printing of the label. The value is in mm and it allows negative values.

Horizontal displacement: Allows adjusting the displacement of the horizontal printing of the label. The value is in mm.

Error Labler: NO/YES

16.1.3.   Configuration of the Payment Types

Payment Types (No **/YES**)
It activates the functioning of the types of payment of the scale.

Cash drawer (No **/ Yes/ Weight**)
Activates the cash drawer and the indication of completed weighing.

Change function (No **/ SUM / Yes**)
This function allows activating the automatic change function.

Request change: (Beginning**/End/Ticket**)
This function allows selecting when to ask for the change.

16.1.4.   Configuration of the Display

This function allows modifying the display configuration.

Display article codes: Display code (No **/ Yes**)
This function allows displaying the article code. It offers the possibility of showing a greater number of description characters.

Display line number: Line number (No **/ Yes**)
If this option is activated, each operation is reflected in the display as: "NN#name vendor", the NN being the line number of the current ticket of the vendor executing the operation.

Display bovine: (Tag/ **Lot/ Text**)
The data of the bovine is displayed by tag number or animal code, by lot number of the group of animals, or by bovine sheet text.

16.1.5.   Light

This function allows modifying the configuration of the Display. It is only availbale if the scale uses this type of display.

Light: (9)
This function allws modifying the Light intensity of the LCD display.

16.1.6.   Operating System configuration

This function allows modifying the configuration of the operating system.

Initial Sale: Initial Sale (Ticket / **Label)**
This function allows selecting the initial sale of the operating system

Registration/Deactivation of the vendor: Registration/Deactivation Vend (No / **Yes**)
This function allows activating the function registration/deactivation in the scale.
If this function is activated, the vendors must be registered to a computer key before starting work (SHIFT+VENDOR).
If the option is not activated, the vendor MMVV will be created automatically after the first sale. The MM is the counter number and VV is the vendor number.

Price Zero permission: Price zero (No/**Yes**)
Activates or deactivates of possibility of programming articles with price zero.

Auto Sale: Auto (V?): Value between 0 and 14.
If a key is assigned to a vendor, the scale will automatically assign all sales to that vendor, without the need to press his vendor key to sum or total. It could only be done with one vendor at a time.

Enter Units for auto Sale: Enter Unit Auto S: (**YES**/NO)
If this option is active when working in Auto Sale with unweighed items, the scale will ask for the units' number before completing the operation.

Auto Code: (No/ **Yes**)
If this option is active, the scale will try to complete the codes as they are being entered. It is similar to searching contacts in a mobile telephone.

Zero Price: (Yes/ **No**)
If this option is activated, the scale will allow storing articles without sale price. When these articles are used, the scale will ask for the price.

Printing Price Zero: Print Price zero (No/ **Yes**)

Activates the possibility to print articles with zero prices.

Automatic exit of constant mode: Return to weigh (Yes/**No**)

Price Change: (Yes/**No**)

Activates the possibility of using the (TAB) key for quick access to price change.

Canceled Lines: (Yes/**No**)

Activates the possibility or canceling lines in a ticket from subtotal mode. (See ticket revision).

Negative amounts: (Yes/ **NO**)

Activates the capacity of the scale to do negative sales. (Return of a product).

Return to Weigh: (YES/ NO).

If this option is active (yes), the scale automatically returns to weigh mode after completing an operation in constant mode.

Inventory Access: (Code/**PLU**)

The access to data entry in orders and inventory is selcted though this option.

Use of programmed tare in articles in sale mode:

Tare PLU Sale (Yes/**No**)

Generally, the tares that are programmed in the articles are used for packing mode (weight of the tray) and are not used in sale mode. By default, the scale uses these tares independently of the sale mode. This function allows restraining the use of the article tare in sale. Doing this allows programming the same code for sale mode (without tare) and packing mode (with tare).

End Tare Sum: (Yes/**No**)

This option enables the posibility of automatically dactivating a tare after completeing a sale.

Article Access: Article Access (Code/ **PLU**)

The access to articles could be either by code or by PLU. The article code is inique for the entire store and the PLU number is unique for the counter.

If the access of articles is by code, the scale has access to any article in the store. If the access is by PLU number, the scale only has access to the articles in that work counter.

Digits of article code: Digits (6)

This function allows configuring the number of digits used in the article code.

PLU/PRC Keys (Yes/**No**)

If this function is turned off, the scale cannot do sales with PLU 0.

Keyboard Request EAN 13: RS232-EAN (No **/ Yes**)

If this option is turned on, the EAN13 code could be entered through the keyboard.

Validate PLU (No **/ 0, 25 sec→ 2 sec.**)

This option programs the amount of time (without using the keyboard) after which an entered article is validated.

Error Local Sale: Error Local Sale (**Yes**/ No)

When this option is active, the scale will announce (with an Error) that it is completing sales in local mode.

Seconds before clearing the Error in local sale: Sec. Clear Error: (0)

This is the number of seconds that the "Error Local Sale" message will remain on the display.

Protocol $: (Not active/ **Manual/ Continuous**)

The scale is able to transmit the value of the weight on the platform through its RS-232. (For Ethernet, consult the manufacturer). Depending on the option selected in this menu, the scale will complete the transmission in a different manner:

Not active: the scale never transmits the weight.

Manual: the scale transmits the weight when it receives the "$" character.

Continuous: the weight is transmitted automatically according to a certain time interval.

The format of the transmission will always be the weight data (with its decimal point) + a CR.

Transmission time (sec):

In this option, the time interval of the continuous mode for the transmission of weight is configured.

Note: If a greater weight than the one on the scale is needed, sending the "#" symbol makes the weight X10.

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16.1.7. Change of Passwords

This function allows modifying the configuration of Passwords.
>**Vendor Password:**

The vendor password could be programmed.
>**Programming Password:**

The programming password could be programmed.
>**Total Password:**

The total password could be programmed.
>**Administration Password:**

The administration password could be programmed.
>**Configuration Password:**

It comes programmed as: (SP C F G N G)
>**Factory Password:**

The factory password could be configured.

16.1.8. RAM Clearing

This function clears the entire database and other programmed data.
Do not use if not sure of the consequences. All programmed data will be lost.
Press (INTRO) to validate and confirm with (T).

16.1.9. Weight verification

For metrological purposes only.

16.1.10. Information

This option allows printing summaries of the connected equipment and the database.
>**Information configuration**

Prints a report of the equipment, program version, memory, scale configuration and sale configuration.

>**Database Information**

Prints a report of the entire database used by the scale.

```
┌─────────────────────┐
│  Inf. Data Base     │
└─────────────────────┘

Ram reservada:  2105654
Ram ocupada:    1038513
Ram libre:      1067141

Clientes

Campo        Sz Tipo    St
─────────────────────────────
Codigo        3 u3Byte   1
Nombre       16 String   1

N elementos: 100
El. libres: 100
El. ocupados: 0
El. borrados: 0
Ocupacion al 0%
RAM estructura: 19.0 bytes
RAM reservada: 140 bytes
RAM ocupada: 2800 bytes
Autoindexada: No
ComType: Cp sistema
Actualizable
Modo normal
Sincronismo: 666
Sincronizable: Si
```

Field: database field
Sz: size in bits or bytes
Type: type of field
St: Status of field
Information
Number of elements
Size of elements
Percent of usage
RAM reserved by the system
RAM occupied by the database
Total in bytes
Access method
Access to the network
Updating information

Automatic Update of the Database
The Server scale is in charge of maintaining the article and client data updated in the rest of the network scales.
Each 30 seconds, the server scale checks whether all the database of the network scales are updated. This is done individually for each database: articles, descriptions, price offers, price changes, ingredients and clients. If it finds one or various scales without update, it initiates the updating process of that database for this group of scales. Once finished, it moves to the next database after 30 seconds.
This process is repeated until all the scales have their database updated.
For the correct functioning of the system, keep in mind a few points:
Do not keep scales turned off for a prolonged period of time, because the system will keep trying to update them. It is better to use the Stand-by key.
Deactivate the scales that are disconnected from the network and restart the system's server scale. That way the updating of the database removes the disconnected scale from its updating list.
When incorporating a new scale in the network, restart the server scale, so that the updating of the database incorporates the new scale in the updating list.
If a scale is substituted, complete the last two operations: deactivating the scale and activating the new scale. Restart the server scale after each operation. It is necessary to clear the RAM of the new scale and give it a number different from the rest of the scales in the network.

Information of one database
It only prints a report of the selected database.
Select one database:
Countries, Price changes, Encoded Tares, Merchandise, VAT, Bovine, Text, Bar codes, Vendor keys, Vendors, Orders, Folders-Field, Formats, Packing, Descriptions, Articles, Clients.
System Information
This prints a report of the network configuration. It indicates the Server scale, Back-up scale, their Update status, and whether they have saved data (tickets, totals).

16.2.   System

It allows configuring the common parameters of the ENTIRE scale network. When the network is configured or scales are connected to the network, they take on the configured date of the server scale. This data is programmed from the server scale and from there are transmitted to all the scales of the network.
Each time the system starts up, the server scale send all that information to the rest of the scales in the network.

16.2.1.   Global System

Numbering of tickets: Number: (**Counter**/ System/ **Scale/ Date/ Vendor/ Single RL/ System RL/ Training**).
It allows selecting the form of numbering of tickets.
Unique RL is a scale numeration in which the numbering is continuous if the scale goes from network or vise versa.
SIST.RL is identical to the "Unique RL" with the difference that the system assigns a numeration range to each scale. This system of numbering has special characteristics:
There are no two tickets with the same number. On the contrary, the available numbers of each scale are restricted to a small range of numbers (the range gets smaller in proportion to the number of scales in the network).
The assignment of the numbering range is done when configuring the network: IT IS ESSENTIAL THAT THE NETWORK IS CONFIGURED in order to use this type of numbering (even for only one scale). Once the network is configured, the scales could be replaced, even though they change their number. The system will assign the ranges of the deactivated scales to the new ones.
To increase the scale network, the network needs to be re-configured from the beginning. New ranges are reassigned to the scales and existing tickets are cleared (as the size of the range changes).
Activating VAT in the Scale: VAT (NO/**YES**).
If this parameter is activated, the scale will allow programming 5 types of VAT, which could be assigned to different programmed articles.
Reload of tickets sent to the host: Reload order (NO/**YES**)
If this parameter is active, the scale will allow reloading (for continuation) a ticket already sent to the host.
Print Bar Codes by counter: CB Counter: (**YES**/NO).

If this option is active, the scale will be able to accumulate different products from different counters in the same ticket. When the ticket is printed, the scale will produce a bar code for each group of articles belonging to the same counter.

Selection of decimals for shrinkage function: Shrinkage decimals: (NO/**YES).**
This function allows using a decimal when entering the value of shrinkage during the article programming.
Accumulate Totals
This option allows activating or deactivating the storage of the totals in the database.
- Sale/Mixed (Yes / **No**)
- Super (Yes / **No**)
- Packing (Yes / **No**)
- Self-Service (Yes / **No**) This posibility is not available on Jupiter Range.
- Training(Yes / **No**)
-
Saving Tickets
This option allows activating or deactivating the storage of the tickets in the database.
- Sale/Mixed (Yes / **No**)
- Super (Yes / **No**)
- Packing (Yes / **No**)
- Self-Service (Yes / **No**) This posibility is not available on Jupiter Range.
- Training(Yes / **No**)

Price Sign (No/**Yes**)
This option allows negative prices.
SPAN TIME (0) (Only ETHERNET model)
This option allows configuring the wait time (in seconds) from the moment the scale is turned on to the moment it begins communicating via ETHERNET. It should be used if the Spanning Tree is used in the network electronics.
Automatic Clearing: (NO/YES).
This option permits that the tickets stored in the system are automatically cleared at a specific time every day.
Time of Clearing: (00:00:00)
Programs the time of automatically clearing the tickets.
Sale Report with Training: (Yes/ No)
This activates the possibility of printing a training grand total in continuation of the sale. In addition, it allows accumulating the training totals in the VAT grand total. (This parameter could only be changed if there aren't any totals).

16.2.2. Family

Bovine
It allows configuring certain special components of the articles: confirming of extra data when doing an operation, differentiated totals, etc.
These special characteristics are assigned to a specific family of articles: that way an article assigned to one of these families, will operate in a different manner than the rest of the articles.

Family: (0)
Family: the family number which needs to be programmed in the articles, so that they may operate in the same special manner.
Label: (By default)
If necessary, it allows have a special family label. It must be selected form the programmed in the scale or left "By default" if a special label is not necessary.
The following options correspond to the sale types in which a specific family will be used. For example, the scale will use the bovine family in packing mode, but not in sale mode:

Sale/Mixed (Yes / **No**)
Super (Yes / **No**)
Packing (Yes / **No**)
Self-Service (Yes / **No**)
Training (Yes / **No**)
Accumulating Totals: (NO/**YES**)
If accumulation of totals is activated, the data of a bovine sheet cannot be modified until that sheet has been finalized.

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Special Family (Dailies of family)

This menu allows activating the storing of totals separated by days (for only on family). The data (except the price) of the articles belonging to that special family could be modified using the administrator's password.

Family: (0)

Family: the family number which needs to be programmed in the articles, so that they may operate in the same special manner.

Label: (By default)

If necessary, it allows have a special family label. It must be selected form the programmed in the scale or left "By default" if a special label is not necessary.

The following options correspond to the sale types in which a specific family will be used. For example, the scale will use the daily family in packing mode, but not in sale mode:

Sale/Mixed (Yes **/ No**)
Super (Yes **/ No**)
Packing (Yes **/ No**)
Self-Service (Yes **/ No**)
Training (Yes **/ No**)

Alphanumeric Family Lot

All the articles assigned to that family will require the entry of the lot number (6 alphanumeric keys), which will be then printed on the label (if configured).

This family cannot be activated for Sale mode. In Super mode, it will only work on labels.

Family: (0)

Family: the family number which needs to be programmed in the articles, so that they may operate in the same special manner.

Label: (By default)

If necessary, it allows have a special family label. It must be selected form the programmed in the scale or left "By default" if a special label is not necessary.

The following options correspond to the sale types in which a specific family will be used. For example, the scale will use the Lot family in packing mode, but not in Super:

Super (Yes **/ No**)
Packing (Yes **/ No**)
Training (Yes **/ No**)

Traceability

It allows configuring certain special article behaviors, such as: use of a special label; and texts that only appear in the labels printed with these articles.

These special "behaviors" are assigned to a certain article family. That allows an article assigned to one of these families to have a different behavior than the rest of the articles.

This option is used to trace articles that may not belong to the Bovine, but still need traceability (fish, fruits, etc.).

Code: (0)

It allows programming different families to Traceability. Though this option, the code of that traceability is programmed or selected.

Family: (0)

The articles associated to this family will be affected by the special conditions of Traceability.

Label: (By default)

If necessary, it allows have a special family label. It must be selected form the programmed in the scale or left "By default" if a special label is not necessary.

16.3. Communication

16.3.1. Updating Data

Group of functions that allow copying the database of one scale to another or from one scale to all the scales **working in one network.**

Scale
A function that allows updating the database of a scale with the data of another scale in the network.
Update (Keys **/ Texts / BarCode / Tares / All / Bitmap / Formats / Articles / Vendors)**
Selects which data is updated.
Origin Scale (0)
Selects from which scale to update the data.

Network
Function that allows updating the database of the rest of the scales on the network with the data of one scale.
Update (Keys **/ Texts / BarCode / Tares / All / Bitmap / Formats / Articles / Vendors)**
Selects which data is updated.

16.3.2. Programming the number of the Scale: Scale

This function allows modifying the identification number of the scale.
If the scale is working in a network, this information will be communicated to the rest of the connected equipment. There CANNOT be a repeated number in the network. The maximum number of scales in a network is 58.

16.3.3. Programming the number of the Counter: Counter

This function allows changing the counter in which the scale is working.
A counter is a group of scales that share tickets. This means that a vendor could complete the operations of one ticket in all the scales of the counter. The total of a ticket could be requested from any scale of the counter.
In order to work in a counter a vendor must have a vendor key assigned to him. It will be the same number for entire group.
If the scale is working in a network, this information will be transmitted to the rest of the connected scales.

16.3.4. Serial Port

Set of parameters for the configuration of the serial port RS232, used for communication with external program.
- **Speed of communication: Baudrate** (19200**/28800/300/1200/2400/4800/9600**)
- **Parity:** Parity (Even **/ None / Odd**)
- **Stop Bits:** StopBits (1)
- **Data Bits:** DataBits (8)

16.3.5. Ethernet

This menu allows enabling and configuring the scale for an external connection to a host via the Ethernet network. IT IS NOT NECESSARY TO BE DONE FOR INTERCONNECTING THE SCALES WITH EACH OTHER.
It is only necessary to be enabled in the server scale. All the connections to the network should be done through the server scale.
The serial port and Ethernet to host connections co-exit in the scale. ETHERNET on does not mean serial stops working.No por activar la conexión ethernet, deja de funcionar la posible conexión serie.
Network ID: NET ID (1)

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Configures the Network identification. All the scales of the same network should have the same identifier. If not, they will not communicate with each other. This parameter is used when we want to use the same network electronics to install various independent systems of scales.

MAC adress: MAC (0050C2098016)

Displays the MAC of the scale, cannot be modified

Connection TCP-IP: TCP-IP (No **/ Yes**)

Configures the TCP-IP connection.

DHCP Protocol: DHCP (No **/ Yes**)

There should be a network server with active DHCP and the scale must have access to the same server. This server will supply the scale with all the TCP/IP parameters necessary for network connection.

Name: NAME

It allows assigning (only) in the server's register a name to identify the assigned IP.

IP address: IP: (000000000000)

It allows entering the IP address that is assigned to the scale. The complete mask of the IP must be programmed. All the empty spots in each segment of the IP must be completed with zeros. For example, the address IP 192.168.1.1, must be completed as: 192.168.001.001.

Mask: Msk (255255255000)

May introduce the working Mask (definition de network/subnetwork) of the scale

Gate: GW (000000000000)

Can introduce the IP of the router, if exists and if necessary

Port Number: PORT (6000)

Configures the port number to which the scale responds.

Time Out TX (Sec)

It allows reinitiating the Ethernet driver if the scale cannot transmit a message in X seconds. This option should not be used unless indicated by the official Technical Service.

Time Out RX (min.)

It allows reinitiating the Ethernet driver if the scale cannot receive a message in X seconds. This option should not be used unless indicated by the official Technical Service.

Communication speed: MODE (10 **/ 100 / AUTO**)

Configures the communication speed.

Manually - 10/100Mb

Automatiacally - depending on the possibility of the network.

16.3.6.   Network Control

How to configure a network of scales?

The steps to follow in order to create a network of scales are the following:

- **Assign a number and a counter to each scale.**
- **Configure the numbering of tickets.**
- **Excecute the menu option 'Network configuration'.**
- **Complete a test with the option 'Test config. Network' and/or print a report with the system's information.**

Network configuration report

Prints a report of the actual set-up of the network of scales.

The report will show:

- **Type of ticket numbering**
- **Scales separated by counters**
- **Server and Back-up scales**

Network configuration test

Prints a report of the actual set-up of the network of scales.

The report will show:

- **Type of ticket numbering**
- **Communication status:** If there is an error, it will print 'Communication error'
- **Scales separated by counters (except the one doing the test)**

  With 10 communication tries, showing the scales that have error, the correct ones and the time that it takes. If it takes too long or has errors, it could be because the scale is turned off or there are connection problems (cabling, bugs).

  Verification of repeated scale numbers.

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- Verification of configuration. All the scales should have the same configuration. If that is not the case, the network needs to be configured.

New scale
This function allows adding a new scale to the existing network. The operation should be done from the new scale.
If the system detects that the new scale will be a Server or Back-up scale, it will ask for confirmation.
It is advisable that the new scale have a greater number than the Server or Back-up scale to avoid loss of data.

Deactivation of a scale
This function allows eliminating a scale from the network.
The completed operation is transmitted to the rest of the scales in the network. The deactivated scale will continue working in local mode.
If the eliminated scale was the Server ticket scale:
All the scales will update the new Server scale.
If there wasn't a Back-up scale, the totals and saved tickets will be lost.

Configuring the Network
This function allows configuring the network of scales.
Before carry out this function, each scale should have programmed:
- Scale number
- Counter

This function will define which scales should have a specific purpose inside the network:

System's Server Scale
This is the scale that centralizes the data relative to all scales (articles, vendors...). This is the scale with the accurate data. It maintains the article data updated in all the scales of the network (Articles, Descriptions, Price changes, Offers and Ingredients).
It is the scale with the lowest number in the network.
If there is a communication with a computer, it is advisable that the server scale is physically connected to the computer (to speed up data access).
It is the scale that controls the open tickets and stores the network totals. If it is not operative, the rest of the scales will work in local mode.

Back-up Scale
This scale saves a copy of the tickets and the totals, just like the **Server Ticket Scale**.
If for whatever reason, the Server of Tickets scale disappears, it should be deactivated with the option 'Deactivation of a Scale' or the network should be re-configured. The **Back-up scale** will become the new **Server Ticket scale**. The scale with numbering after the Back-up scale becomes the new **Back-up scale**.

Work modes (depending on connection)
Network
The network configuration has been completed and the **Server Ticket Scale** is connected.
The same vendor could complete tickets in the different scales of the network.
The sales and totals are stored in the **Server Ticket Scale** and marked as **Network**.
Local
The network configuration has been completed, but the **Server Ticket Scale** is not connected.
The tickets should be started and finished in the same scale.
The tickets and the totals are stored in each scale marked as **Local**.
Autonomously
The network configuration has not been completed and the scale is working autonomously as the **Server Ticket Scale**.
The tickets and the totals are stored as **Network** and **Local** operations do not exist.

16.4.   Regional

16.4.1.   Clock Adjustment

It allows configuring the clock adjustments.
Hour
Date
Date Configuration
Configure the date printing format.
Year 4 digits (No / Yes)
Configure whether the year appears with 2 or 4 digits.
Month (ALPHA / NUM)
Configure whether the month appears alphanumerically or numerically.

16.4.2.   Language

Select the language of use and the set of characters of the scale.
Language (SPANISH/ ENGLISH/ FRENCH/ GERMAN/ ITALIAN/ PORTUGUESE/ POLISH/ CZECH/ DANISH/ DUTCH/ TURKISH/ CATALAN…)

Keyboard: (Standard/ **Polish/ Czech)**
Depending on the keyboard selection, the scale will use different characters.
Char Set conversion: (Yes / NO)
It allows using the table of traditional characters with some conversions, since it is based on the MS-DOS characters or the standard for Windows.

16.4.3.   Currency

Group of functions that allows modification of the parameters depending on the country of installation.

Country of installation: Country **(Spain/ Belgium/ Germany/ France/ Ireland/ Luxemburg/ Denmark/ Austria/ Portugal/ Finland/ Italy/ by default/ Programmable)**
This parameter allows defining the country of installation when working with Euros. If the country is selected, the Euro parity and currency text are defined automatically.
Countries from the list: selects the relative currency data and the Euro factor. This data could be modified (except the Euro factor and its decimals).
By Default: allows entering the country data without Euro.
Programmable: allows programming the parameters of a new country with Euro (including the conversion factor and its decimals).

Euro Phase: (3)

The implementation of the Euro in the scale could be done progressively by configuring this parameter appropriately. This parameter could have four different values or states, which are detailed in the following chart:

PHASE	DESCRIPTION
0	Without conversion, only the national currency Grand totals with the national currency
1	Conversion of the national currency to Euros. The rounding and decimals of the configuration of currency menu will only affect the national currency. Printing of the conversion to euros at the end of the ticket with 2 decimals and rounding to 1. Grand totals with the national currency
2	Conversion of Euros to the national currency. The printing of Euro will always be with 2 decimals and rounded to 1. At the end of the ticket is printed the conversion to the national currency with decimals and rounding, programmed in the configuration of currency menu. Grand totals in Euros.
3	Without conversion; operations and totals only with Euros. The printing of Euro will always be with 2 decimals and rounded to 1.

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Note: When changing from Phase 0 or 1 to 2 or 3, the scale will automatically reset the programmed articles' prices to zero.

Euro Factor (3)

It DISPLAYS (CANNOT modify) the Euro factor without decimals.

It will allow entering a new value only if the selected country is PROGRAMMABLE.

It is not displayed if the country is BY DEFAULT.

Euro Factor Decimals (3)

It displays the decimals of the Euro factor with the same restrictions as the Euro factor.

Euro Implementation Date

When this date has arrived, if the active Phase is 2, the scale will automatically pass to Phase 3.

Price Decimals (0)

Number of decimals for the price

Amount Decimals (0)

Number of decimals for the amount

Type of Rounding (1/**2**)

Type of rounding for the calculation of the amount.

1: Rounding to the unit

2: Rounding to 5

Programming the Currency text (Pta)

This option allows programming the currency symbol that will appear in the tickets and reports.

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17. DIRECT FUNCTIONS

To access the option of the direct functions, press the SHIFT + Arrow Up.

This function helps avoid having to search for and select the desired function using the menu movement keys. It allows direct access to the most used functions.

Press the Menu entry key. Once in the direct function option, press the desired direct function key.

The direct functions are either 1 or 2 digits. To enter a 1 digit function, enter a 0 in front of the number, or press (INTRO) to validate the number:

Table of Direct Functions

CODE		FUNCTION
0	1	- Date and Time programming
0	2	- Access to Configuration Menu/Scale/ Operating System
0	3	- Load labels
0	4	- Label selection
0	5	- Printer configuration
0	6	- Labeler configuration
0	7	- Reload paper
0	8	- Reload continuous paper in the labeler
1	0	- Sub-menu articles
1	1	- Programming articles
1	2	- Programming article description
1	3	- Programming free texts
1	4	- Programming headers
1	5	- Programming legends
1	6	- Programming Bar codes
1	7	- Advertisement configuration
1	8	- Displaying the total by counter in the display
2	0	- Sub-menu Grand Total
2	1	- Report vendors total
2	2	- Report articles total
2	3	- Report hourly total
2	4	- User Menu (label)
2	5	- User Menu (ticket)
2	6	- EAN 128 Data
2	8	- Daily report of sales
2	9	- Report of tickets
3	0	- Clearing tickets
3	1	- Clearing vendors total

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3	2		- Clearing articles total
3	3		- Clearing hourly total
3	4		- Clearing nº of ticket
3	5		- EAN 13 Article: PRINT + SEL or SEL
3	6		- Erase of Totals
3	7		- Report of Total by Counter
3	8		- Clearing de System's Total
4	0		- Sub- Menu Ticket Configuration
4	1		- Sub-menu Label Configuration
4	2		- Configuring Receipt
4	3		- Configuring Price change
4	4		- Ticket Reloading
4	5		- Ticket Re-printing
4	6		- Sub-menu packing configuration (Lot)
4	7		- Sub-menu configuration of pre-selections
4	8		- Selection of ticket format
4	9		- Sub-Menu Display configuration
5	0		- Deactivate the Server scale
5	1		- Labeler Photocell (also with Shift + F2)
6	0		- Articles menu
6	1		- Sub-menu article elimination
6	2		- Sub-menu programming of articles
6	3		- Sub-menu programming article's description
6	5		- Sub-menu price changes
6	6		- Sub-menu price offers
6	7		- Sub-menu orders
6	8		- Sub-menu inventory
6	9		- Report of changed Prices.
7	0		- Report of Articles.
8	0		- Menu database update
8	1		- Menu clients
8	3		- Menu encoded tares (database)
8	4		- Menu VAT
8	5		- Menu entry of merchandise

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8 6	- **Menu database: bovine**
9 0	- **Access to Scale Configuration menu**
9 1	- **Direct access to RAM clearing**
9 2	- **Direct access to network configuration**
9 3	- **Access to IA 10 programming (Nº Lot)**
9 4	- **Direct Access to Selection of Packing Bar Code 1 or 2**

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18. INPUT/OUTPUT PORTS

18.1. RS232 Port

Delta 9V.   Delta 9V.
Female   Female
Scale   Computer

2	← ──────────────────────────→	**3**
3	← ──────────────────────────→	**2**
5	← ──────────────────────────→	**5**
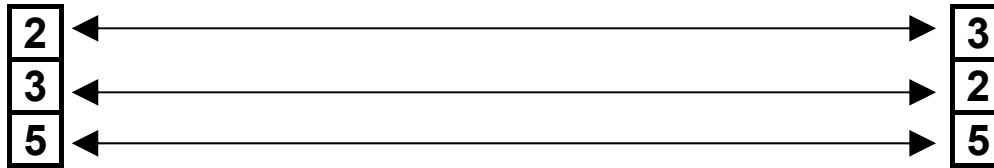
18.2. Ethernet Connection

Scale   Hub/Switch/Router

1	← ──────────────────────────→	**1**
2	← ──────────────────────────→	**2**
3	← ──────────────────────────→	**3**
4	← ──────────────────────────→	**4**
5	← ──────────────────────────→	**5**
6	← ──────────────────────────→	**6**
7	← ──────────────────────────→	**7**
8	← ──────────────────────────→	**8**

Scale/Computer   Scale/Computer

1	← ──────────────────────────→	**3**
2	← ──────────────────────────→	**6**
3	← ──────────────────────────→	**1**
4	← ──────────────────────────→	**4**
5	← ──────────────────────────→	**5**
6	← ──────────────────────────→	**2**
7	← ──────────────────────────→	**7**
8	← ──────────────────────────→	**8**

18.3. Cash drawer

The scale has an output for cash drawer. It capable of managing drawers that function with 12V and 24V through a socket of three lines. The pins used are Pin nº1 and Pin nº 2.

Warranty

GRUPO EPELSA

Pursuant to current legislation, **GRUPO EPELSA S.L.**. offers the user, in accordance with the terms described in this card, a full warranty against faulty workmanship in the product or **GRUPO EPELSA S.L**. components included in it.

1. Terms and warranty application

The **GRUPO EPELSA S.L**. warranty **covers:**
- Repair of the unit identified below by an Official **GRUPO EPELSA S.L** Service Center.
- Components, spare parts and labor used for the product and all the parts and components provided that they are original **GRUPO EPELSA S.L** materials.

The **GRUPO EPELSA S.L**. warranty **does not cover:**
- Errors caused by non-original components.
- Faults caused by incorrect installation.
- Damage caused by negligence, wear and tear, or errors as a result of repairs carried out by unauthorized personnel.
- If the details on this card have been altered or tampered.
- If the seals are broken or tampered with.
- The fees and cost of official inspections required by regulations.

2. Warranty Period
The warranty period is 1 year. For any claim under this guarantee, you must provide the purchase invoice and this warranty card.

Identification of the unit
Model : _____ serial Nº : _____

Holder of the warranty
Company : _____Address : _____
VAT Nº :_____

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With Warranty of

GRUPO EPELSA

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