



**MANUAL FOR USE, PROGRAMMING
AND MAINTENANCE**

**WEIGHTING EQUIPEMENT WITH
PRINTER
6 SELLERS (kg)
AT32 SYSTEM**

VERSIÓN 13.05.01

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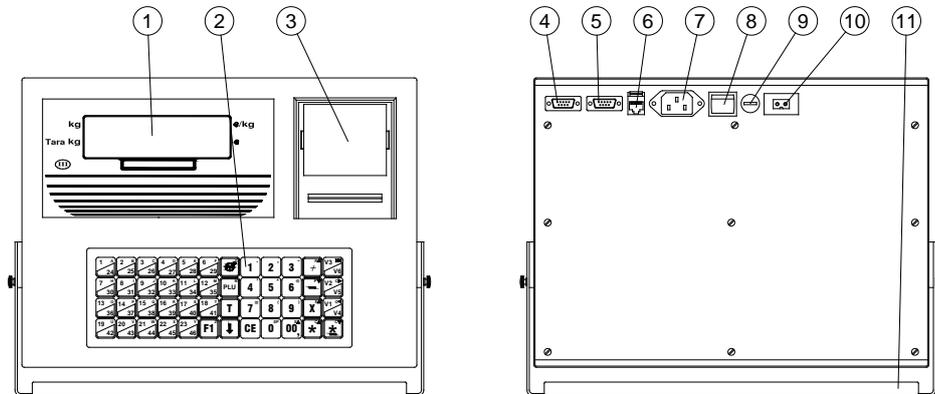
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1/ EQUIPMENT COMPONENTES

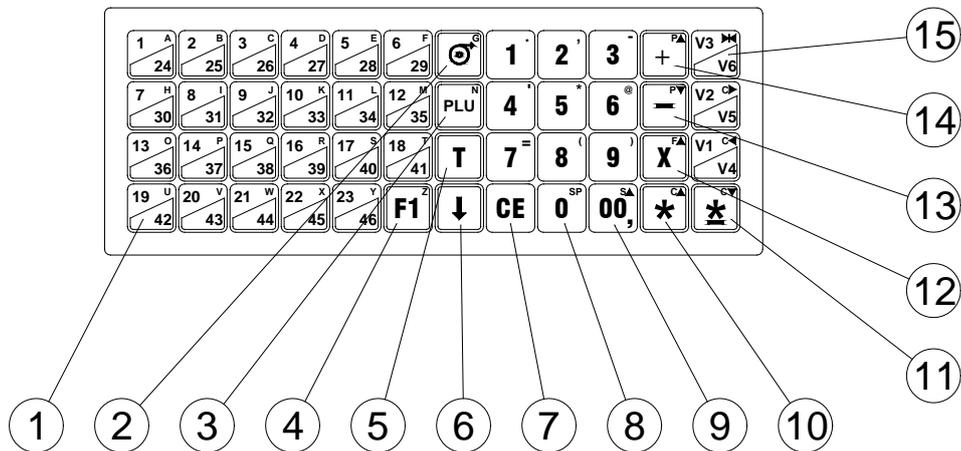
1.1- MODEL KP 6V GRAPHIC DISPLAY



- | | |
|--|---|
| 1- DISPLAY | 7- POWER CORD CONNECTOR |
| 2- KEYBOARD | 8- MAIN SWITCH |
| 3- PRINTER | 9- FUSE HOLDER |
| 4- LOAD CELL CONNECTOR | 10- EXTERNAL BATTERY CONNECTOR (OPTION) |
| 5- INTERCONNECTION OR RS232 CONNECTOR (OPTION) | 11- SUPPORT |
| 6- ETHERNET CONNECTOR | |

2/ KEYBORAD

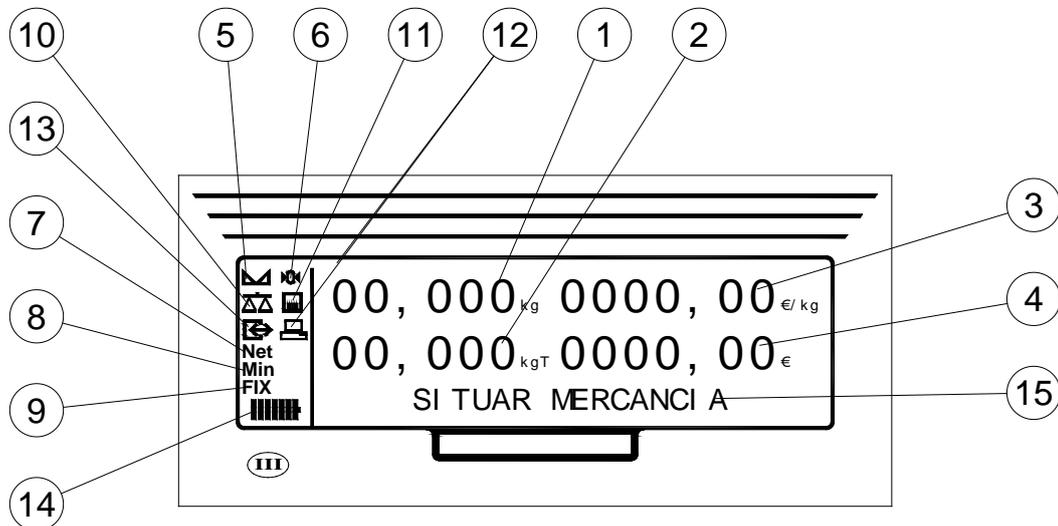
2.1- 6V KEYBOARD



- | | |
|--|--|
| 1- DIRECT AND SEMIDIRECT PLUS KEYS | 9- DOUBLE CERO, COMMA KEY |
| 2- PAPER FEED KEY | 10- SUBTOTAL KEY |
| 3- INDIRECT PLU KEY | 11- TOTAL WITH PRINTING KEY |
| 4- CAPTURE KEY BARCODE AND FIXING CHANGE PRICE PLU | 12- MULTIPLICATION AND PROGRAMMATION INPUT KEY |
| 5- TARE KEY | 13- CONSTANT NEGATIVE AND CANCELLATION OF OPERATIONS KEY |
| 6- SHIFT KEY (PLUS, SELLERS AND TARES) | 14- CONSTANT POSITIVE KEY |
| 7- CLEAR KEY | 15- SELLERS KEYS |
| 8- NUMERIC KEYS | |

3/ EQUIPMENT INDICATORS

3.1- GRAPHIC DISPLAY



- | | |
|-----------------------------|--|
| 1- WEIGHT DISPLAY | 10- INTERCONNECTION INDICATOR |
| 2- TARE DISPLAY | 11- LABEL PRINTER CONNECTION INDICATOR |
| 3- PRICE DISPLAY | 12- ETHERNET CONNECTION INDICATOR |
| 4- TOTAL DISPLAY | 13- SENDING DATA TO PC INDICATOR |
| 5- STABLE WEIGHT INDICATOR | 14- BATTERY CHARGE INDICAYOR |
| 6- CERO INDICATOR | 15- OPERATION TYPE / PLU NAME DISPLAY |
| 7- NET WEIGHT INDICATOR | |
| 8- MINIMUM WEIGHT INDICATOR | |
| 9- FIXED PRICE INDICATOR | |

4/ TECHNICAL SPECIFICATIONS

SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE

4.1. - WEIGHTING EQUIPMENT, TECHNICAL SPECIFICATIONS

NAME	ELECTRONIC WEIGHING EQUIPMENT MODEL KP 6V G kg
TYPE	DESK
DIM WxLxH (mm)	345X100X250
WEIGHT	5,9 kg
RANGE	FROM 6 kg TO 60.000 kg
STEPS	3000 OIML AND TO 15000 DO NOT OIML
SELLERS	6 (3+3)
PLUS KEYS	46
FAMILIES	30
PROGRAMMED WEIGHTS (PLUS)	2000
PLUS FIELDS	NAME, PRICE, MODE OF WORK, TARA ASSOCIATED, FAMILY, BARCODE, STOCKS AND MINIMUM
DIRECT PLU KEYS	46 ASSIGNABLE TO ANY PLU
PROGRAMMED TARES	10
TYPES OF VAT PER FAMILY	5 (FROM 0,01 % TO 99,99 %)
PRICE	5 DIGITS
MAXIMUM MULTIPLICATION	99
AMOUNT	6 DIGITS
CHANGE INPUT	6 DIGITS
TOTAL	8 DIGITS
CUSTOMER OPERATIONS	60
GREAT TOTAL	10 DIGITS
GREAT TOTAL DAILY	40 DAYS FOR SELLERS
CAPACITY MEMORY FISCAL VERSION	9000 TICKETS MEDIA OR 21500 OPERATIONS
OPERATION FOR PLU AND FAMILY.	65.000
UNITS NO WEIGHED BY PLU AND FAMILY	65.000
ACCUMULATED WEIGHT FOR PLU AND FAMILY	4.000.000.000 g
ACCUMULATED AMOUNT BY PLU AND FAMILY	10 DIGITS
CUSTOMERS GREAT TOTAL	65.000
BAR CODE	PROGRAMMABLE BY USER
PRINTER PAPER	THERMAL 58 mm (Width) X 55 mm (Diámetro)
PRINTER SPEED	60 mm/s
MAXIMUM WITDH	48 mm
DOTS FOR LINE	384
DOT SIZE	0,125 mm X 0,125 mm
NOMINAL INPUT VOLTAGE	220 VAC, 50/60 Hz
POWER	Máx. 40 W
FUSE	5 X 20 mm, 1 A, 250 V, Type T (slow fussion)
INSTALATION AND OVERVOLTAGE CLASS	II
OPERATING TEMPERATURE	0 °C / 40 °C
OPERATING HUMIDITY	20% / 80%

4.2. - OPTIONAL SPECIFICATIONS

ETHERNET CONNECTOR FOR PROGRAMMING AND DATA COLLECTION
 INTERCONNECTION BETWEEN EQUIPMENTS
 RS232 OUTPUT
 INTERNAL BATTERY
 EXTERNAL BATTERY
 HAND SCANNER FOR WORK IN MODE POS

4.3. - LOAD CELLS TECHNICAL SPECIFICATIONS

NOMINAL INPUT VOLTAGE	Máx. 10 VDC
POWER	Máx. 0.5 W
OPERATING TEMPERATURE	0°C / 40°C
OPERATING HUMIDITY	20% / 80%

5/ PRECAUTIONS ON INSTALLATION

5.1- WARNINGS

READ THESE INSTRUCTIONS CAREFULLY BEFORE YOU PUT THE EQUIPMENT IN OPERATION. CONTAINS IMPORTANT INFORMATION FOR USER'S SECURITY AND EQUIPMENT'S USE.

MANUFACTURER ASSUMES NO RESPONSIBILITY IF NOT LOOK THE INSTRUCTIONS OF THE MANUAL.

5.2- PRECAUTIONS ON INSTALLATION

The environmental conditions can affect the performance and accuracy of the equipment. Avoid the following conditions:

- Areas where the temperature and humidity are high or low or positions close to the fire: For example, some boilers, stoves or other sources of heat, water outlets or humidifiers.
- Do not leave your equipment exposed to direct sunlight or in the interior of a closed car: High temperatures could reach to damage electronic components.
- Never work in the rain: In the event of having to work abroad keep your equipment protected under an awning.
- Avoid excessive dust: Small particles of sand can deteriorate the thermal printer head.
- Rapid changes in temperature: Sudden changes in temperature can lead to condensation that can affect the accuracy of the equipment.
- Air flow on the platform, since it can vary the presentation of the equipment.
- Electromagnetic Fields: For example stations or mobile phones, as they may affect the accuracy of the equipment.

6/ INSTALLATION

1. Choose a suitable place for installation. Have at least 80cm by the user side to be able to comfortably conduct the operations of weight, and leaves open the platform for placing and removing loads.
2. Before connecting the equipment to the platform we must levelling the platform, turning the legs and trying to be sitting well.
3. Connect the cable from the platform to the connector (4) of the equipment.
4. Connect the cable RS232 from the computer to connector (5) of the equipment (optional).
5. Connect the cable RJ45 from the computer to connector (6) of the equipment (optional).
6. Connect the external battery cable to connector (10) of equipment (optional).
7. Insert the supplied power cord into the connector (7) of the equipment by pressing firmly and plug the other end of the cable into a wall socket with appropriate ground system, the manufacturer assumes no liability for accidents or malfunctions due to the lack of ground system.
8. Do not connect other devices to the same electrical outlet where the equipment is connected.
9. Attach the support (11) to a team's bench or the wall and tilt it to improve the visibility of the display.

7/ PRECAUTIONS FOR USE

- If the power cord is damaged, contact your nearest dealer for repair: for example cuts or cracks, as there may be a risk of fire or electric shock.
- The power cord must be connected to the equipment first and then to the outlet, never the opposite. To disconnect the equipment from the power supply must be disconnected from the wall outlet, never from the connexion of the equipment.
- Avoid excessive bending and not pull the cord when you disconnect, use the plug.
- Disconnect the equipment if you're not going to use it for long time period.
- Do not leave objects too heavy on the platform.
- To prevent electrical shocks, do not open your equipment, there are no user-serviceable parts inside it. Leave the technical service in the hands of qualified staff.
- To start work on the equipment turn on the switch (8) located at the rear. If the power fail while the equipment is turned on, with the restoration of the same, the equipment automatically turns on. To turn off the equipment again actuate the switch (8).
- CAUTION: RISK OF EXPLOSION IN CASE OF REPLACEMENT OF THE BATTERY BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.
- CAUTION: PART MOBILE. READ THE MANUAL. 

8/ MANUAL FOR USE

8.1. - WORKING MODES AND TIMES OF DISPLAY

8.1.1. - WORKING MODES

The transactions, for which prices are obtained through any of the 2000 programmed prices (PLUS), as well as having name and price, are stored in their associate family. The totals are obtained by families with their PLUS associate. Programmed prices are modifiable unless you mark as protected.

- **PLU mode; code 000920:**
Only works with programmed prices (protected or not). Faster access to PLUS.
- **PRICES PROTECTED mode; code 000870:**
Programmed prices, PLUS, may not be modified. With PROTECTED Mode off, you can PROTECT individually every PLUS desired.
- **ONLY ONE OPERACIÓN mode; code 000900:**
Each transaction generates a printed ticket.
- **VAT mode; code 000880:**
Totals are printed with the VAT shown.
- **TICKET FISCAL STORE mode; code 000840:**
Are saved all the machine operations up to fill the memory.

	YES	NO
PLU MODE	[000920]	[000930]
PRICES PROTECTED	[000870]	[000860]
ONLY ONE OPERACIÓN	[000900]	[000910]
VAT SHOWN	[000880]	[000890]
TICKET FISCAL STORE	[000840]	[000850]
BARCODE	[000960]	[000970]
CASHIER'S CHECK	[000940]	[000950]

8.1.2. - TIMES OF DISPLAY

The user can configure the times of display of some events that suit their taste:

- Time shows the total.
- Time that will show the names of the programmed PLUS.
- Time that will show the PLUS unprogrammed.
- Time that will show the vendors open.
- Time that will show the amount.
- Time of duration of beep.
- SCANNER readout mode.

These functions are explained in detail in the F4 function of the machine settings.

8.2. - PRELIMINARY CONSIDERATIONS

The equipment is initially in the following state: erased the lines of header an farewell, message, PLUS names, family names, sellers names, prices, VAT type, associations, operations, total partial (seller, family and department), great totals and programmed tares.

The working modes: PLU MODE, PRICES PROTECTED, ONLY ONE OPERACIÓN, VAT SHOWN, TICKET FISCAL STORE, BARCODE and CASHIER'S CHECK disabled.

Bar code format 25MWCCCIIII.

Times of display in 2.5 seconds

Currency Decimal Number 2 (Euro).

GREAT TOTAL erasing code **999999**.

WHEN TURN ON, THE EQUIPMENT SHOW FIRST THE VERSION (Ej. 6v2.8 PAP).

AFTER, SHOW THE WORD TEST, WITH A NUMBER DECREASING FROM 9 TO 0.
WHILE DISPLAY TEST, YOU CAN ENTER IN FUNCTION BY PRESSING X [F▲] (12).
 GETS ZERO (Show -O-), THIS MAY TAKE A FEW SECONDS.
 IF THERE IS NO ERROR THE EQUIPMENT IS IN OPERATION.

8.3. - INDICATORS

8.3.1.-STABLE WEIGHT INDICATOR (5)

Lights to indicate that stable weight.

8.3.2.-ZERO INDICATOR (6)

Lights to indicate the zero of equipment, If there is residue on the platform, the indicator can be turned off and the weight display (1) show zero.

8.3.3.-NET WEIGHT INDICATOR (7)

Lights to indicate that the weight presented in the **weight display** (1) is net (gross less tare).

8.3.4. - MINIMUM WEIGHT INDICATOR (8)

Lights to indicate the area where the percentage error of weight is high (rules).

8.3.5. - FIXED PRICE INDICATOR (9)

Lights to indicate that the price is not deleted when you remove the merchandise from the platform.

8.3.6. - INTERCONNECTION INDICATOR (10)

Lights to indicate that the equipment is working in a network.

8.3.7. - LABEL PRINTER CONNECTION INDICATOR (11)

Lights to indicate that the equipment is connected to a label printer, either internal or external.

8.3.8. - PC CONNECTION INDICATOR (12)

Lights to indicate that the equipment is connected to a PC through the ETHERNET connexion.

8.3.9. - DATA SEND TO PC INDICATOR (13)

Lights to indicate that the equipment is sending or receiving data from the PC.

8.3.10. - BATTERY CHARGE INDICATOR (14)

This indicator shows the level of charge the internal battery, when the battery is charging it flashes.

8.4. - WEIGHTING OPERATIONS

8.4.1. - WEIGHTING

Place the goods on the plate. The weight of the goods is indicated in the **weighting display** (1)

8.4.2. – TARE (IF ACTIVATED)

Place the container to Weigh on the platform and press the **T (5)**. The indication of weight will be zero; the tare weight will be indicated in the **tare display** (2) and **net weight indicator** (7) lights. You can increase the value of the tare if you tare again.

8.4.3. - PRESSETTING TARE (NO ACTION IF MANUAL TARE)

If preset tares are programmed on your equipment, press **SHIFT (6)**, press **T (5)**, introduce the number of programmed tare (1 to 10) with the numeric keys and press **T (5)**. The indication of weight will be ---- (underweight). When the weight placed on the platform is greater than the tare weight, shows the net weight in the **weight display** (1), the value of the tare in the **tare display** (2), and **net weight indicator** (7) lights.

8.4.4. - TARE OFF

Remove any goods which may have been on the platform and press **T (5)**. The indication of weight will be zero, the **zero indicator** (6) lights and turns off the **tare display** (2).

8.5. - OPERATIONS WITH WEIGHT

PRESS THE KEY CE (7) TO DELETE PRICES

In weighing operations, first must place the goods on the plate to prevent erase device by zero weight (unless has been programmed the PLU time), except in the MODE PLU (code 000920), in which the device is not operational.

8.5.1. - PRICE INTRODUCTION

Enter the price using the numeric keypad (8) which is displayed in the display of Price (3), the result of the weight for the price is displayed in the display of amount (4).

8.5.2. - PROGRAMMED PRICE INTRODUCTION (PLUS)

The balance can be up to 2000 prices programmed in memory (PLUS):

- 1 to 30 direct: press the corresponding key on the keyboard of Direct PLUS (1).
- 31 to 60 semidirect: press the shift key (6) and the corresponding key on the keyboard of Direct PLUS (1).
- 61 to 2000 indirect: enter with the numeric keypad (8) the number of PLU and press the PLU key (3) again.

Enter the number of the PLU as noted above, the price of the PLU will be displayed on the display price (3), the result of the weight for the price will be displayed on the display of amount (4).

The PLUS, which have assigned a bar code can be read directly with a SCANNER. To enter it manually, if you can't read it, press the shift key (6) and 00 S ▲ (9) and enter it manually using the keypad to confirm or exit press the shift key (6) and 00 S ▲ (9) .

8.5.3. - PLU PRICE MODIFICATION

(Only for PLUS not defined like protected and with the machine with the prices unprotected; code 000860)

Select the PLU with the price programmed, enter the new price. If you want to program the price of the PLU for subsequent operations, press the F1 key (4), the machine gives two beeps, the second to indicate the price has changed.

8.5.4. - DISCOUNT ONLINE (ONLY FOR MACHINES OF 10 SELLERS)

(This discount it's applied to transactions of weight, price and amount and to weighed PLUs, even if they are protected and the machine it's with prices protected; code 000870)

If you want to apply a discount to a weighed product (from 1% to 99%) when the machine is showing the weight, price and amount, you have to press the F2 key, then the machine presents "dto% 0", you have to enter the discount in integers numbers and press F2 again, the product price with the discount is displayed.

8.5.5. - QUICK CHANGE OF PRICES OF VARIOUS PLUS

If we want to change the price on several PLUS (which are unprotected) from any machine in the network without entering in the programming functions, press the shift key (6) and PLU (3) key, the display shows the number of PLU , price and name. Press the keys + (14) or - (13) to move forward or backward between PLUS or PLU key (3) to advance 50 PLUs. When we reach to a PLU that we want to change the price; type it and continue till we have modified the PLUS desired. To exit the function press the shift (6) and PLU (3) keys.

8.5.6. - FIXING PRICE

If we make several weightings of a product, we can make the machine don't clear the price for not having to type it every time. Situate the goods on the plate, enter the price with the keypad (8), or the programmed price and press the key + (14), the fixed price indicator (9) lights. From this moment the price is not erased even if the weight is zero.

To override the pricing press CE (7) key and indicator fixed price (9) turns off.

8.6. - ADDITION OF AMOUNTS

FOR ACCUMULATE AMOUNTS, THE WEIGHT HAS TO BE STABLE.

To build up the amounts in one of the sellers press the corresponding button on the seller (15) or

SHIFT (6) and Seller **(15)**, in order to accumulate to the sellers 5 to 15. The equipment gives two beeps to indicate the accumulation

8.7. - OPERATIONS WITH WEIGHT

PLUS defined as NOT WEIGHED (Types 2 and 3) go directly into TRANSACTIONS WITH PRODUCTS NOT WEIGHTED.

The PLUS cannot be subtracted.

8.7.1. - ADDITION

Push **+** **(14)** (show "E" in the weight display)
 Enter the programmed PLU, if desired and the weight with the numeric keys **(8)**
 Push **seller (15)** (double beep to indicate the accumulation)

8.7.2. - SUBTRACTION

Push **-** **(13)** (show "-E" in the weight display)
 Enter the weight with the numeric keys **(8)**
 Push **seller (15)** (double beep to indicate the accumulation)

8.7.3. - POSITIVE MULTIPLICATION

Push **+** **(14)** (show "E" in the weight display)
 Enter the programmed PLU, if desired and the weight with the numeric keys **(8)**
 Push **X (12)** (show "P" in the weight display)
 Type the products number
 Push **seller (15)** (double beep to indicate the accumulation)

8.7.4. - NEGATIVE MULTIPLICATION

Push **-** **(13)** (show "-E" in the weight display)
 Enter the weight with the numeric keys **(8)**
 Push **X (12)** (show "-P" in the weight display)
 Type the products number
 Push **seller (15)** (double beep to indicate the accumulation)

8.7. - TOTALS

The operation number 60, activates the impression of total seller.

In **ONLY ONE OPERATION** mode (code 000900), the printing is done every operation of accumulation.

In **STABLE WEIGHT** mode (code 000620), the printing is done automatically whenever it is at a stable weight nonzero on the platform.

In these cases you may **NOT** have ticket continuation.

8.8.1. - TOTAL WITH INVOICE

Push ***/ (11)**, show TOT

Push **seller (15)** or **SHIFT (6) seller (15)**.

Show seller number, total net with sign and print the ticket.

Double beep when closing the seller or, if the seller was closed, print **REPETITION OF TICKET**.

To exit push **CE (7)**.

Notes:

If code 000880 is set, prints the totals by type of tax.

If code 000940 is set, prints on the cash receipt.

If code 000960 is set, prints the bar code.

8.8.2. - SIMPLIFIED INVOICE

The Order 1619/2012 concerning simplified invoice indicates that the invoice must contain:

- The data and NIF of the seller, which will be programmed in one of the header or farewell

lines.

- If there's a single tax just write "TAX included" in one of the header or farewell lines
- If there are multiple taxes we must specify the tax distribution with the taxable amount of each. To do this we have to program tax rates (see 9.15 - F13 PERCENTAGES VAT.); assign the tax to the families (see 9.16 - F14 TYPE OF TAX ASSIGNED TO FAMILIES.) and program the PLUS, associating the corresponding family and activate the tax distribution; code 000880.
- The numbers of sequential invoice, for do this we have to activate the TAX TICKET; code 000840. (The first time you active it you need to delete the tax ticket; code 000767)

8.8.3. - SUBTOTAL CONSULTATION

If we want to know the total accumulated of a costumer without closing the seller

- Press the key * (10) shows TOT
- Press Seller (15) or SHIFT (6) Seller (15).
- The display show the number of the seller, Total net signed, the ticket is not printed the seller is not closed.
- To exit press the CE (7) key or, if ther's a programmed time of total, this will be deleted automatically after this time

8.8.4. - INVOICE CONTINUACIÓN

Being in total from a seller, press the key of the seller to continue with the client.

Double beep, the second by open the customer.

Prints INVOICE CONTINUACIÓN and the previous and new operations.

8.8.5. - OPERACIÓN CANCELLATION

Being in total from a vendor, press X (12), show

WEIGHT PRICE
V? n? AMOUNT

Double beep, the second by opening customer.

Where V? is the seller number in which we are going to cancel the operation and n? the number of operation.

Select with the key + (14) the operation to cancel or enter the operation number to cancel and press the key - (13).

Double beep, the second by cancel operation.

Continue canceling operations or press the key X (12) to exit and print the new ticket with the canceled operations.

If you have not made any cancellation the ticket is printed when you exit .

8.8.6. - CALCULATION OF CHANGE

Press the key - (13) shows

ENTER
0.00

Enter delivery and press * (10) or * / (11) shows

CHANGE
?????

Where??? is the change to return. To print it press * / (11).

To delete or leave without calculating the change press the CE button (7).

8.8.7. - INVOICE COPY

Press the key * / (11), and press the seller (15) or SHIFT (6) seller (15).

Shows the number of the seller, the total net with sign and it's printed one copy of last ticket of this seller.

8.8.8. - ADVANCE PAPER PRINTER

Press the PAPER FEED button (2), hold it down while you want to feed paper into the printer

8.9 - STOCK CONTROL OF PLUS

The stock control can be performed manually from the balance at any time. To do this, while the balance show zero in displays of weight, price and amount, press * / (11) and DIRECT PLU keys.

For example, if the PLU 1 are apples and select the PLU, the machine prints a ticket with the following format:

```

LINE HEADER 1
LINE HEADER 2
LINE HEADER 3
LINE HEADER 4

STOCKS PLU (kg)
  HOUR AND DATE

      PLU0001 APPLES
Inputs:          0.000
Stocks:          0.000
Minimum:         0.000

MINIMUM LISTING

```

This would be the format if you have not entered PLU entries and have not programmed minimum.

8.9.1 -. INPUTS, OUTPUTS AND MINIMUM OF STOCK

If we make an entry of goods, modify or program minimum stock, we must go to the programming functions, select function 10 and select the number of PLU that you want to program.

8.9.2 -. MAKE AN ENTRY

- 1 / press "00" until the balance show F10E???????.???
- 2 / press "+"
- 3 / enter the input of goods in grams
- 4 / Press "+" again

8.9.3 -. MODIFY STOCK

- 1 / press "00" until the balance show F10S???????.???
- 2 / press "+" or "-" to increase or decrease stock.
- 3 / enter the amount of goods in grams
- 4 / Press "+" or "-" again

8.9.4 -. PROGRAM MINIMUM

- 1 / press "00" until the balance show F10M???????.???
- 2 / press "+"
- 3 / enter the minimum in grams
- 4 / Press "+" again

Example: Suppose the PLU number 1 that you have made an entry of 50 kg and we have programmed a minimum of 10 kg. If you press "*" /" and "DIRECT PLU 1", the machine prints the following ticket:

```

LINE HEADER 1
LINE HEADER 2
LINE HEADER 3
LINE HEADER 4

STOCKS PLU (kg)
  HOUR AND DATE

      PLU0001 APPLES
Inputs:          50.000
Stocks:          50.000
Minimum:         10.000

MINIMUM LISTING

```

Suppose that we made several sales of this PLU (42 kg). If you press "*" /" and "DIRECT PLU 1", the machine prints the following ticket:

```

LINE HEADER 1

```

LINE HEADER 2
LINE HEADER 3
LINE HEADER 4

STOCKS PLU (kg)
HOUR AND DATE

PLU0001 APPLES
Inputs: 50.000
Stocks: 8.000
Minimum: 10.000

MINIMUM LISTING

If we make a new entry of merchandise of 30 kg you press "*" /" and "DIRECT PLU 1", the machine prints the following ticket:

LINE HEADER 1
LINE HEADER 2
LINE HEADER 3
LINE HEADER 4

STOCKS PLU (kg)
HOUR AND DATE

PLU0001 APPLES
Inputs: 30.000
Stocks: 38.000
Minimum: 10.000

MINIMUM LISTING

NOTE: ALWAYS PRINTED LAST ENTRY.

IMPORTANT:

When the stock of a PLU is requested; in the list of minimum PLUS will print all that are at a minimum, for example, if we ask the stock PLU 1 and PLU 2 and PLU 3 are under minimum, the ticket would be:

LINE HEADER 1
LINE HEADER 2
LINE HEADER 3
LINE HEADER 4

STOCKS PLU (kg)
HOUR AND DATE

PLU0001 APPLES
Inputs: 30.000
Stocks: 38.000
Minimum: 10.000

MINIMUM LISTING

PLU0002 PEARS
Inputs: 40.000
Stocks: 7.500
Minimum: 10.000

PLU0003 ORANGES
Inputs: 100.000
Stocks: 13.200
Minimum: 15.000

8.9.5 - FULL LISTING

If you want a complete list of all PLUS with the dates, this must be done through the technical code 000 100,

To do this, being the balance showing zero on the displays of weight, price and amount, press the key "X" for two seconds, the first screen allows us to directly select a function, press again the key "X" and the machine goes to present COD, enter the code 000 100 and the machine will print a list of the status of the machine and the list of programmed PLUS, each with its entry (last), and minimum stock, if you have programmed.

8.10 - CANCELLATION OF WEIGHTS PLUS (ONLY FOR MACHINES OF 10 SELLERS)

The cancellation of weight it's made to cancel operation tickets other than the latter (if it's the last ticket see section 8.8.5 OPERACIÓN CANCELLATION).

To do this, being in operation (PLU), with weight, price and amount other than zero, then press the key F3 and then, before a second, press the key of the corresponding seller.

The cancellation is done whenever the PLU has sufficient operations, kilos and Euros.

These cancellations are subtracted from the Grand Total, Total Seller and Total families. Are not recorded in the Grand Total daily either the list of tickets.

8.11. - ERRORS

Show ERR01 There is no paper
 PAPEL PULSE CE

Solution: Put paper into the printer.

Show ERR02 Printer head up
 CAB LEVANTADO

Solution: Download lever head.

Show ERR03 Head temperature high
 TEMPERATURA ALTA

Solution: Turn off the machine to let the printer to cool.

Show ERR04 Memory full (fiscal version)
 MEMORIA LLENA

Solution: Print the fiscal ticket to empty the memory.

Show ERR05 Two master machines on the network
 ERROR MASTERS

Solution: Change numbers machine on the network

Show ERR06 Connection with the master was lost.
 ERROR RED LOCAL

Solution: Turn off the machines to restart the network.

If not resolved, check the wiring, if everything is correct is a technical error.

Show ERR07 Error in memory configuration
 DATOS DE EEPROM

This Is a Technical error.

Show ERR08 Error in data weight
 DATOS DE PESO

Solution: The equipment need adjust.

Show ERR09 Error in data converter
 CONVERTIDOR PESO

This Is a Technical error.

Show ERR10 Error in data scheduled

DATOS DE RAM

Solution: Check PLUS data, families and department names, head of ticket (code 000100). Normally will not be important, the machine does not erase data, but if it is a repeat is technical error.

Show ERR11 Error dump data from the master
SALIR PULSAR CE

Solution: The error will be in the master and the slave who has not received the data. Turn off the machines to restart the network.

Show ERR12 Clock error
SALIR PULSAR CE

This Is a Technical error. The machine can work, but the data clock will be wrong.

Show ERR13 Mathematical overflow error
SALIR PULSAR CE

Solution: Ask GREAT TOTAL and clear.

Show ERR16 Printer error
SALIR PULSAR CE

This Is a Technical error. The machine can operate without printing ticket.

9/ MANUAL OF FUNCTIONS AND PROGRAMMATION

9.1. - GENERAL

To enter in the programming functions of the equipment, press **X[F▲] (12)** while test or while normal operation, keeping down 2.5 seconds (with weight zero and without tare scheduled). To exit the programming functions press **X [F▲] (12)** in 2.5 seconds or turn off the equipment.

The first screen that appears allows us to select the function number we want to program. Select it with the keyboard and press **X [F▲] (12)** or press repeatedly to shows.

If equipment is in a network, a MASTER has different functions that a SLAVE. The MASTER equipment has all the parameters that are common in the network while the SLAVES equipments are only the parameters of such equipment.

	MASTER EQUIPMENT FUNCTIONS	SLAVE
0	WORKING MODES CODES	-
1	PRINTING OF FAMILIES AND DEPARTMENTS TOTALS	-
2	PRINTING (AND CLEAR) GREAT TOTAL	-
5	COMMUNICATION PROTOCOL	IDEM
6	DATE AND TIME	IDEM
8	HEADER AND FAREWELL LINES	-
9	SELLERS NAMES	-
10	FAMILIES NAMES	-
11	DEPARTAMENTS NAMES	-
12	PLUS PROGRAMMATION	-
13	MESSAGE ADVERTISING	-
14	DIRECT PLUS KEYS TO PLUS ASIGNATION	IDEM
18	BAR CODE	-
19	WEIGHT PARAMETERS	IDEM
20	NETWORK MACHINE NUMBER	IDEM
21	TARES PROGRAMMATION	-
22	NET PROGRAMMATION FROM MASTER	-

9.2. - KEYBOARD FOR RECORDING

Almost all the keys are in his upper right of a letter or symbol of black, the keyboard to record texts or change values in these fields is that one more the numerical keypad keys. There are a number of special symbols whose meaning for the recording is as follows:

- C□** INSERT A CHARACTER IN THE CURRENT POSITION
- C▶** DELETE A CHARACTER IN THE CURRENT POSITION
- ▶|◀** CENTER UP THE TEXT OF THE HEAD OR FAREWELL LINE (SET THE CURSOR ON THE LAST CHARACTER RECORDED)
- C▲** INCREASES THE CHARACTER IN THE CURRENT POSITION
- C▼** DECREASES THE CHARACTER IN THE CURRENT POSITION
- P▲** INCREASES A POSITION. (You can also increase a field value).
- P▼** DECREASES A POSITION. (You can also decrease a field value).
- F▲** GO OVER THE FUNCTIONS
- S▲** GO TO THE NEXT FIELD TO MODIFY INSIDE THE FUNCTION (THE SELECTED FIELD BLINK)

9.3. - F0 WORKING MODES CODES

Show	F0 COD CODIG ACCESO	Type 000
Show	F0 CLAVE 000 CODIGO FUNCION	Type the last three numbers of code

TECHNICAL CODES:

- 000100** Print the **PROGRAMMATION STATUS** of equipment.
- 000111** Factory internal use (**DON'T USE, LOST YOUR OWN INFORMATION**).

WORKING MODES ACTIVATION CODES:

- 000620** Active STABLE WEIGHT (AND ONLY ONE OPERATION) mode.
- 000800** Active message advertising different on each equipment.
- 000820** Active header and farewell lines different on each equipment.
- 000900** Active ONLY ONE OPERATION mode.
- 000940** Active cash receipt.
- 000960** Active bar code.
- 000980** Active DEPARTMENTS mode.

WORKING MODES DISABLING CODES:

- 000630** Disable STABLE WEIGHT (AND ONLY ONE OPERATION) mode.
- 000810** Disable message advertising different on each equipment.
- 000830** Disable header and farewell lines different on each equipment.
- 000910** Disable ONLY ONE OPERATION mode.
- 000950** Disable cash receipt.
- 000970** Disable bar code.
- 000990** Disable DEPARTMENTS mode.

DELETE CODES:

- 000222** Delete head and farewell lines.
- 000333** Delete PLUS and his properties.
- 000444** Delete families and departments names.
- 000555** Delete message advertising.
- 000565** Delete key association.
- 000666** Delete sellers names.
- 000888** Delete Great Total.

!!WARNING: DELETE ALL EQUIPMENT AND PUT IT IN INITIAL STATE FROM FACTORY!!

- 000999** Delete: Great Total, serial number of Great Total, assign direct keys to their numbers and do the functions: **000222, 000333, 000444, 000555, 000565, 000666, 000888, 000630, 000810, 000830, 000910, 000950, 000970, 000990.**

9.3.1. - PERSONAL SECRET CODE FOR GREAT TOTAL CLEARED

The equipment leaves factory with code of erasing GREAT TOTAL **999999**. This code allows erase the GREAT TOTAL of the equipment from the GREAT TOTAL printing, by pressing the **CE key (7)**.

To change the GREAT TOTAL deleted code :

Show	F0 COD CODIG ACCESO	Type 000
Show	F0 CLAVE 000 CODIGO FUNCION	Type 000
Show	SETGT NUEVO CODIGO	Type six digits, between 10000 y 999999

9.3.2. - GREAT TOTAL CLEARED BY PERSONAL SECRET CODE

Show	F0 COD CODIG ACCESO	Type six digits from secret code
------	------------------------	----------------------------------

The equipment print the GREAT TOTAL y reset it. If the secret code does not act indicates that the equipment has been manipulated.

9.4. - F1 PRINTING OF TOTAL FAMILIES OR TOTAL DEPARTMENTS

Show	F1 FD IMPRESIÓN FD	Push */ (11)
------	-----------------------	---------------------

9.5. - F2 PRINTING OF GREAT TOTAL

Show	F2 GT IMPRESIÓN GT	Push */ (11)
------	-----------------------	---------------------

Note: If you want to print cancelled operations, push *** (10)**
Push **T (5)** to print the **Total Daily by Seller** of the last **40 days**.

9.6. - F5 COMMUNICATION MODES

Show	F5 P ? COMUNICACION	Push +▲ key (14) or -▼ key (13)
------	------------------------	---

There are seven communication modes (always N81):

1. **N never sends data.**
2. **C complete & continuously mode:**
 - o Frame <02>XXXX.XXXgXXXX.XXXRXXXX.XXEXXXXX.XXIXVXXXXP<byte>L<03>
 - o Where <02> is start of transmission, g is the weight in kg with decimals, R is the tare in kg with decimals, E is the price with decimals, I is the amount with decimals, V seller number, P PLU number, L is operation and status byte and <03> is end of transmission.
 - o In the operation and status byte, the first four bits indicate the type of operation and the last four of the state flags.
3. **E stable weight mode:**
 - o Frame <02>XXXX.XXXgXXXX.XXXR<03>
 - o Where <02> is start of transmission, g is the weight in kg with decimals, R is the tare in kg with decimals and <03> is end of transmission.
4. **OP by operation mode:**
 - o Frame <02>XXXX.XXXgXXXX.XXXRXXXX.XXEXXXXX.XXIXVXXXXP<03>
 - o Where <02> is start of transmission, g is the weight in kg with decimals, R is the tare in

kg with decimals, E is the price with decimals, I is the amount with decimals, V seller number, P PLU number and <03> is end of transmission.

5. DS on request always mode:

- o The computer can send two commands: P<CR> to ask for weight o I<CR> to ask for weight, price and amount.
- o Frame weight _XXXX.XXXg
- o Where _ are white spaces and g is the weight in kg with decimals
- o Frame WPA <02>XXXX.XXXgXXXX.XXXRXXXXX.XXEXXXXX.XXIXXVXXXXP<03>
- o Where <02> is start of transmission, g is the weight in kg with decimals, R is the tare in kg with decimals, E is the price with decimals, I is the amount with decimals, V seller number, P PLU number and <03> is end of transmission.

6. DE on request with stable weight mode:

- o The computer can send two commands: P<CR> to ask for weight o I<CR> to ask for weight, price and amount.
- o Frame weight _XXXX.XXXg
- o Where _ are white spaces and g is the weight in kg with decimals
- o Frame WPA <02>XXXX.XXXgXXXX.XXXRXXXXX.XXEXXXXX.XXIXXVXXXXP<03>
- o Where <02> is start of transmission, g is the weight in kg with decimals, R is the tare in kg with decimals, E is the price with decimals, I is the amount with decimals, V seller number, P PLU number and <03> is end of transmission.

9.7. - F6 DATE AND TIME

Show	F6 H ? M ? D ? M ? A ?	Push 00 S▲(9) to change field Type the new value with the numerical keys
------	---------------------------	--

9.8. - F8 HEADER AND FAREWELL LINES

Show	F8 L ? N ? ?	Push 00 S▲(9) to change field Type the new value with the numerical keys
------	-----------------	--

Where:

L	Line number:	Values 1 to 6 (numerical keys). 1 first header line 2 second header line (*) 3 third header line 4 fourth header line 5 first farewell line 6 second farewell line
N	Net machine number: Text field (24 characters)	values 0 to 9 (numerical keys). text keyboard (**)

(*) This line always will be printed with double size characters.

(**) Characters from 032 till 169 and 213 (€) (see ASCII table in page 21). To access characters not in the keyboard push * **(10)** or */ **(11)**

9.9. - F9 SELLERS NAMES

Show	F9 V ? ?	Push 00 S▲(9) to change field Type the new value with the numerical keys
------	-------------	--

Where:

V	seller number: Text field (12 characters)	Values 1 to 6 (10 at 10V) (numerical keys). text keyboard (*)
---	--	--

(*) Characters from 032 till 169 and 213 (€) (see ASCII table in page 21). To access characters not in the keyboard push * **(10)** or */ **(11)**

9.10. - F10 FAMILIES NAMES

Show	F10 F ? ?	Push 00 S▲(9) to change field Type the new value with the numerical keys
------	--------------	--

Where:

F	Family number: Text field (16 characters)	values 1 to 30 (numerical keys). text keyboard (*)
---	--	---

(*) Characters from 032 till 169 and 213 (€) (see ASCII table in page 21). To access characters not in the keyboard push * **(10)** or */ **(11)**

9.11. - F11 DEPARTMENTS NAMES

Show	F11 D ? ?	Push 00 S▲(9) to change field Type the new value with the numerical keys
------	--------------	--

Where:

D	Department number: Text field (16 characters)	values 1 to 46 (60 at 10V) (numerical keys). text keyboard (*)
---	--	---

(*) Characters from 032 till 169 and 213 (€) (see ASCII table in page 21). To access characters not in the keyboard push * **(10)** or */ **(11)**

9.12. - F12 PLUS PROGRAMMATION

Show	F12 N ? ?
------	--------------

Where N is the PLU number: values 1 to 2000 (numerical keys) or keys **+▲(14)** and **-▼(13)**
Push **00 S▲(9)** to change field.

Show	F12 F ? ?
------	--------------

Where F is the FAMILY number: values 1 a 23 (numerical keys).
Push **00 S▲(9)** to change field.

Show	F12 T ? ?
------	--------------

Where T is the associated tare with the PLU: 5 digits (numerical keys) or push **T(5)** and put on the platform the weight to be tared, press again **T(5)** to exit.
Push **00 S▲(9)** to change field.

Show	F12 T ? TEXTO DEL PLU
------	--------------------------

PLU name (16 characters), text keyboard (*)

(*) Characters from 032 till 169 and 213 (€) (see ASCII table in page 21). To access characters not in the keyboard push * **(10)** or */ **(11)**
Push **00 S▲(9)** to change field.

9.12.1- PLUS TYPES

If you want to go directly to products WITHOUT WEIGHT:

Put at the first position of the text the character "@" whose code is (064) or the character "=" whose code is (061).

NOTE: If you wish to cancel a text, write the character ",", code (044) in the first position.

9.17. - F20 NET MACHINE NUMBER PROGRAMMATION

Show	F20 N ? NUMERO RED	Valúes 1 to 9 (numerical keys) Type the new value with the numerical keyboard
------	-----------------------	--

The master equipment must be the number 0. There should be no two equipments with the same number in the network. If there is only one in network must be always zero.

9.18. - F21 TARES PROGRAMMATION

Show	F21 N ? T ? TARAS PROG.	Valúes 1 to 10 (numerical keys). Push 00 S▲ (9) to change field.
------	----------------------------	--

The new tare value can be introduced in two ways:

- Enter the new value, using the numeric keypad, that is less than the maximum range of machine (for example, to introduce **1.3 kg** press the **1 key**, the key **00'** and the key **3**).
- Weighing a container to tare it. Push the key **T(5)** to enter in weight reading, put the weight to tare and return to hit **T(5)**.

9.19. - F22 NET PROGRAMMING FROM MASTER EQUIPMENT

Show	F22 PR RED ? PROG RED	Values 1 to 9 or key T(5) . Push 00 S▲ (9) to change field.
------	--------------------------	--

If using the key **T(5)** are scheduled all equipments on the network (default). If we want to program a equipment in particular, must indicate their number to master.

9.20. - CHARACTER SET

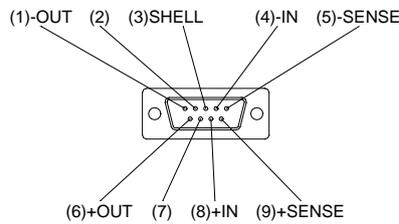
MULTILINGUAL (LATIN) 850 (PARTIAL 32-169 AND 213)

032 (SPACE)	061 =	090 Z	119 w	148 ö
033 !	062 >	091 [120 x	149 ò
034 “	063 ?	092 \	121 y	150 û
035 #	064 @	093]	122 z	151 ù
036 \$	065 A	094 ^	123 {	152 ÿ
037 %	066 B	095 _	124	153 Ö
038 &	067 C	096 `	125 }	154 Ü
039 '	068 D	097 a	126 ~	155 ø
040 (069 E	098 b	127 (SPACE)	156 £
041)	070 F	099 c	128 Ç	157 Ø
042 *	071 G	100 d	129 ü	158 x
043 +	072 H	101 e	130 é	159 f
044 ,	073 I	102 f	131 â	160 á
045 -	074 J	103 g	132 ä	161 í
046 .	075 K	104 h	133 à	162 ó
047 /	076 L	105 i	134 â	163 ú
048 0	077 M	106 j	135 ç	164 ñ
049 1	078 N	107 k	136 è	165 Ñ
050 2	079 O	108 l	137 ë	166 a

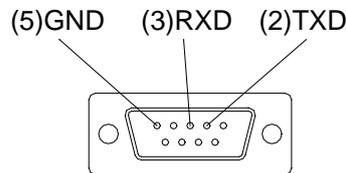
051 3	080 P	109 m	138 è	167 °
052 4	081 Q	110 n	139 ï	168 ¿
053 5	082 R	111 o	140 î	169 ¡
054 6	083 S	112 p	141 ì	213 €
055 7	084 T	113 q	142 Ä	
056 8	085 U	114 r	143 Å	
057 9	086 V	115 s	144 É	
058 :	087 W	116 t	145 æ	
059 ;	088 X	117 u	146 Æ	
060 <	089 Y	118 v	147 ô	

10/ EQUIPMENT CONNECTIONS

10.1. - LOAD CELL CONNECTOR



10.2. - RS232 CONNECTOR (OPTIONAL)



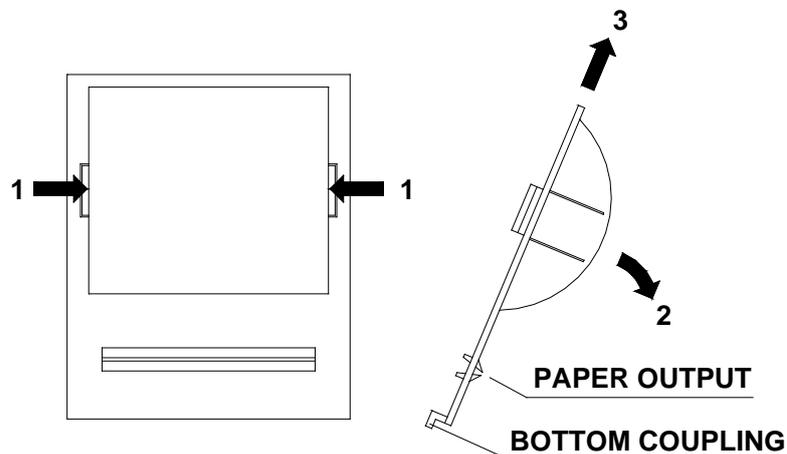
11/ MAINTENANCE

11.1. - CLEANING

- Before cleaning the equipment disconnect from the power.
- The equipment has plastics materials. To perform the cleaning, never use gasoline, thinners or other chemicals products, since it could change the colour and damage the surface of these materials.
- Avoid using insecticides spray, some contain chemicals that could distort the covers.
- Clean the body of the equipment with a soft, clean cloth for cleaning difficult stains, use a wet cloth in a solution of mild soap and water

11.2. - PAPER REFIL

1. PRESS SLIGHTLY THE SIDE OF THE COVER.
2. ROTATE THE COVER IN THE ARROW DIRECTION.
3. REMOVE THE COVER IN THE ARROW DIRECTION TO DROP THE BOTTOM COUPLING.



4. DROP THE PAPER, PULLING THE GREEN LEVER, TO FREE THE HEAD.
5. REMOVE THE AXIS OF ROLL AND THE REST OF THE PAPER ROLL.
6. PUTTING THE NEW ROLL ENTERING IT BEHIND THE RUBBER ROLLER, UNTIL THEY LEAVE BY THE FRONT APPROXIMATELY 5 cm.
7. HOLD THE PAPER, PUSHING THE GREEN LEVER ON THE PRINTER.
8. PLACE IN YOUR ACCOMMODATION THE AXIS OF THE ROLL.
9. ENTER THE PAPER FOR THE PAPER OUTPUT.
10. PUT THE BOTTOM COUPLING.
11. PUSH THE COVER ON THE ARROW 2 CONTRARY SENSE.

USE THERMAL PAPER 58mm WITH AND 55mm DIAMETER

12/ WHAT TO DO IN CASE OF FAILURE

BEFORE YOU CALL FOR TECHNICAL ASSISTANCE, MAKE SURE:

- **THE EQUIPMENT NOT LIGHT**
 1. If your equipment does not turn on, verify the power.
 2. Make sure the power cord is connected to the plug from the outlet.
 3. Make sure the power switch is in on position.
 4. Check fuse.
- **THE EQUIPMENT SHOW [-0-]**
 1. Check for any goods on the platform.
 2. Check for air flow.
- **THE EQUIPMENT SHOW [ERR DATOS DS]**
 1. Check the equipment recording.
- **THE EQUIPMENT HAS ANY OTHER KIND OF ERROR (SEE SECTION 8.9)**
 1. If it is an error handling is solved by pressing “CE” or performing the indicated action..
 2. Any other type of error check with technical service.

TO CONTACT THE NEAREST SERVICE, CALL YOUR DEALER OR TELEPHONE +34 96 150 09 11.

DEALER