



USER MANUAL

FREESTYLE

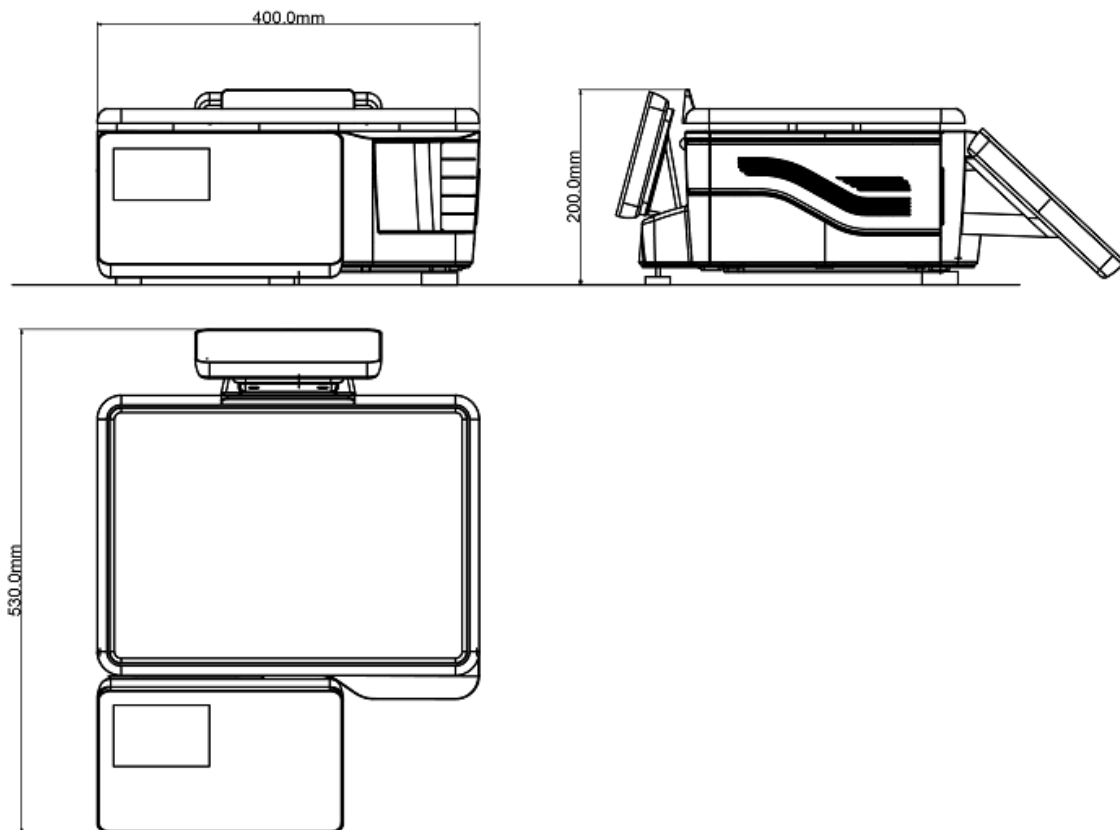
COMPACT

Serie FREESTYLE *compact*

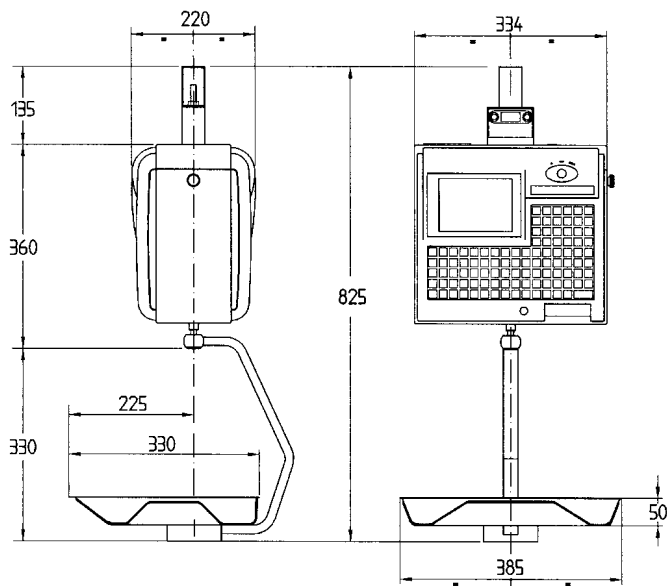


VIEW AND DIMENSIONS

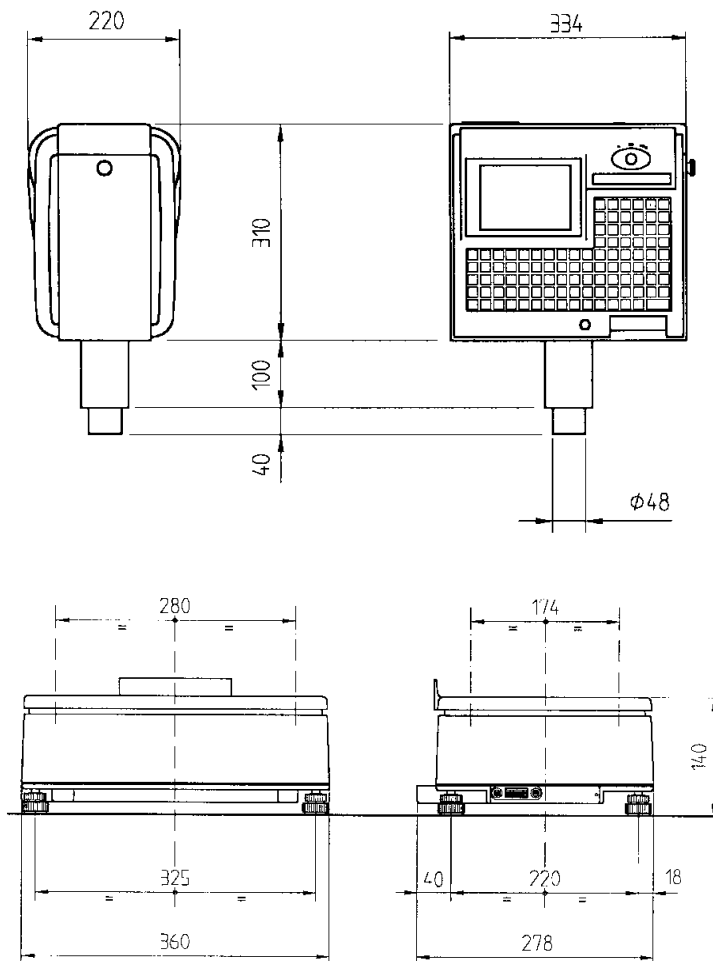
MODEL CS



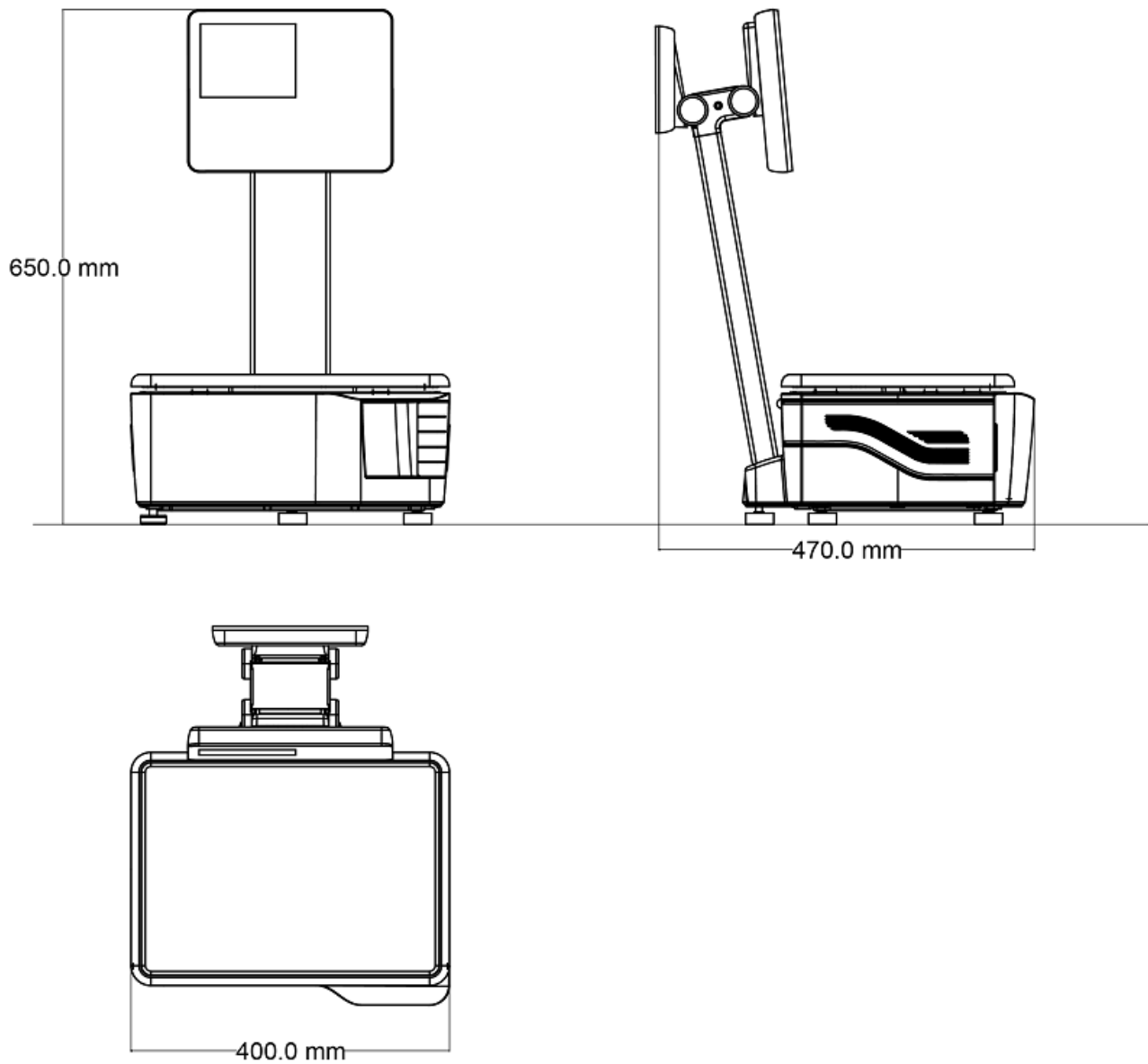
MODEL CS / P wall unit



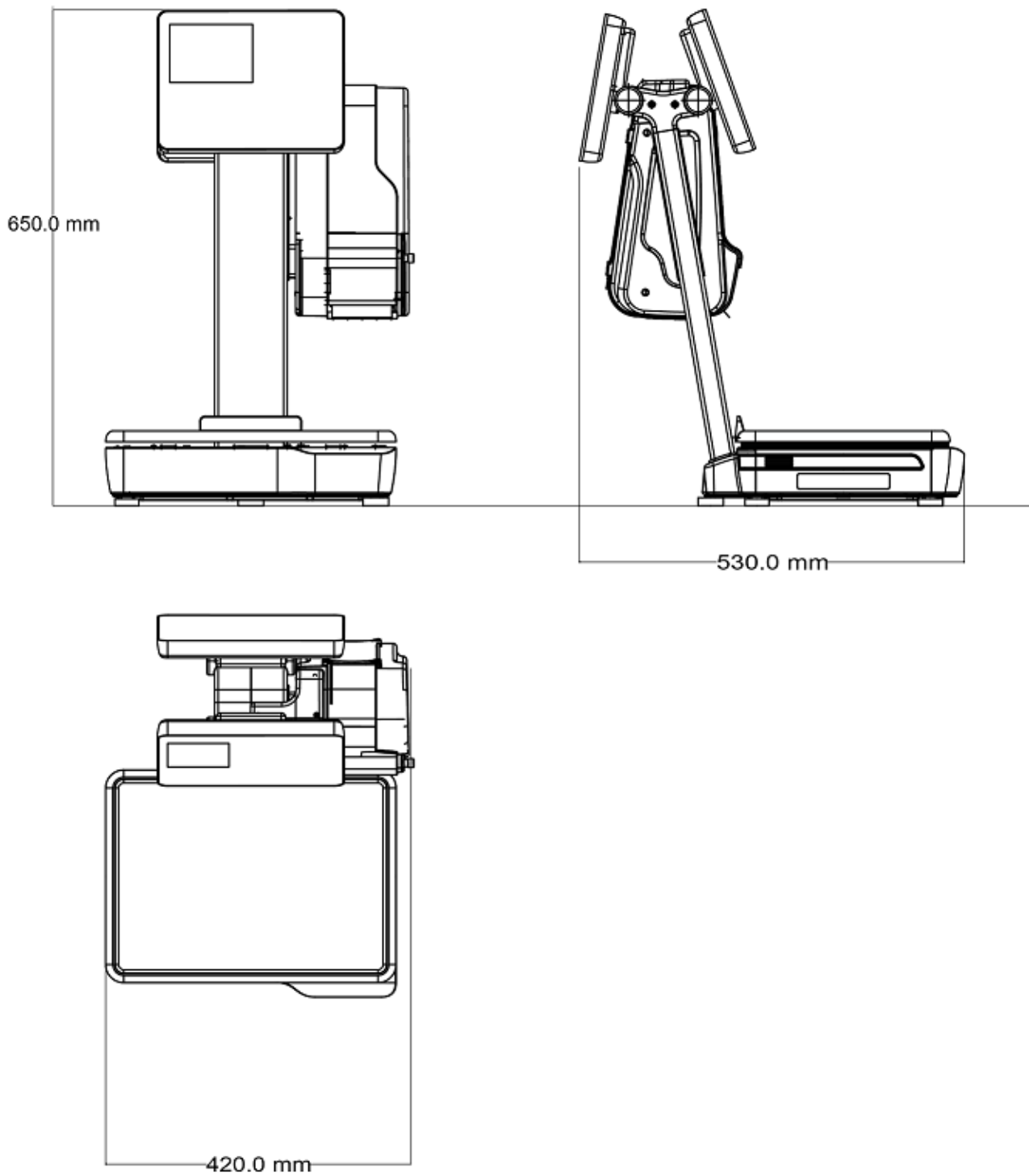
CS / PA MODEL

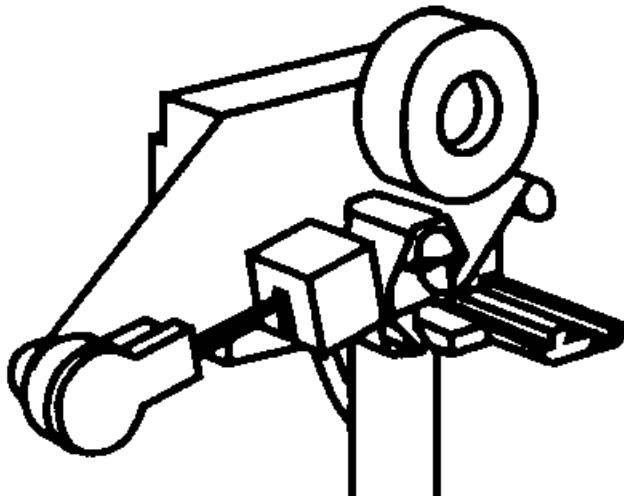


PLC MODEL



MODEL PL





INSTALLING THE SCALE

POWER SUPPLY

The installation of this scale must be done with great care and attention, in order to ensure maximum operating safety of the equipment.

Therefore it is essential to strictly observe the following rules:

- Power the scale with a preferential line ($220\text{ V} \pm 10\%$ - 50 HZ) that starts directly from the meter or from the distribution panel, avoiding that it connects other equipment with high absorption (refrigerator compressors, slicers, neon lamps, etc.). The power supply line of the instruments must be connected to a single electrical phase to avoid imbalances in the interconnections of the scales.
- Install a socket with side earth contacts (SCHUCO) for each scale; the connection to the earth line is essential to allow the anti-disturbance filter, with which the scale is equipped, to work correctly and to intervene when necessary to eliminate them. It is also advisable that auxiliary sockets useful for test instruments are available near the scales.

ATTENTION!AN ELECTRIC LINE WITHOUT AN EARTH WIRE COULD CAUSE IMPROPER OPERATION OF THE SCALE OR DAMAGE TO ITS ELECTRONIC CIRCUITS. THEREFORE, WE DISCLAIM ANY LIABILITY FOR ANY OPERATING DEFECTS OR FOR ACCIDENTS TO THE OPERATORS RESULTING FROM THE NON-COMPLIANCE OF WHAT WE RECOMMEND.

LOCKING THE SCALE

The scale with weight detection by means of a magnetic repulsion transducer or strain gauge load cell does not require any locking of the weight system.

SWITCHING ON THE SCALE AND AUTOMATIC ZEROING

The switching on of the scale must be carried out only with the plate unloaded, clean and without objects above it and the scale will be placed with the weight system at "zero".

After the brand logo, the scale will display the current date and time, kept updated by the clock incorporated in the scale.

By pressing the key **"ENTER"** the MASTER, SUBMASTER or SLAVE (according to the scale configuration), the bank number and the network number assigned to the scale will be displayed for a few seconds. It is essential that the MASTER scale is switched on and enabled first, while the switching on order of the other SUBMASTER or SLAVE scales can be random.

If the scale is inserted in a MULTIBANK system, the SLAVE scales must only be switched on after the respective MASTER or SUBMASTER scale.

The following anomalous conditions may occur and are highlighted by specific reports:

- "ALREADY PRESENT ": indicates that the scale has the same address as another already active in the network
- "MASTER ABSENT ": indicates that a SLAVE scale has been turned on before its " MASTER "or" SUBMASTER "
- "NO CONFIGURATION ": indicates that a " SUB MASTER "scale was turned on before the" MASTER "

USE OF THE SCALE

PRICE SETTING

The price per kg can be set indifferently before or after placing the goods on the weighing pan.

By setting the price with the numeric keyboard, the "Price € / Kg" box will be opened in the viewer. By pressing the **"ENTER"** The price will be shown in the " PRICE € / Kg "display for the calculation of the amount of the item placed on the scale plate.

It is possible to execute the transaction immediately if, after setting the price of the item, you proceed directly to the identification of the operator.

The button **"C."** Allows you to cancel any setting errors.

All the totals of the weighs whose prices have been entered directly with the alphanumeric keyboard will be totalized as "ARTICLE 0" and "FAMILY 0".

It is possible to inhibit the use of article 0; in this case the operator can only use the prices stored and associated with the PLUs (see chapter CONFIGURATION - Various Settings).

It is also possible that the set price appears directly on the display of the price per kilogram (see chapter CONFIGURATION - Various Settings).

RECALL OF PRICES AND STORED TARE (PLU)

To recall a stored price (PLU) press the key **"PLU "**, use the numeric keypad to compose the number of the product to be treated and press **"ENTER "** to confirm. In addition to the price and the tare, a description and possibly an image will appear on the display according to what has been programmed.

It is possible to execute the transaction immediately if, after setting the article number, you proceed directly to the identification of the operator.

The scale is equipped with a keyboard designed to quickly recall up to a maximum of 200 stored products (depending on the type of keyboard present).

Normally the keys of this keyboard recall the product codes ranging from 1 to 200, but it is possible to associate a different address to each of these keys: in this way it is possible to program the keyboard to recall the data of the most used products regardless of their address memory (see the paragraph "PLU KEYS" in KEY OPERATIONS).

The maneuver for entering prices and PLU data to be stored is described in the appropriate chapter under KEY OPERATIONS.

SETTING OF PRICES FOR NON-WEIGHED PRODUCTS

The button "+" Allows you to compose price values for products that are not weighed, that is, sold by the piece.

By pressing the "+" The "Price € / Pcs" box will be opened in the viewer and pressing the **ENTER** The price will be shown in the displays "PRICE € / Kg" and "AMOUNT €".

For any multiplication, after setting the price, press the "X", enter the number of pieces and press **ENTER** To confirm: the number of packages set will be displayed in the weight display, the unit price in the "PRICE € / Kg" display, and the total amount of packages in the "AMOUNT" display.

It is possible to execute the transaction immediately if, after setting the price of the item, you proceed directly to the identification of the operator.

The button "C." Allows you to cancel any setting errors.

As described in the previous chapter, the prices of items that are not weighed, but stored and associated with a PLU, can be recalled.

Even for non-weighed products it is possible to inhibit the scale from accepting prices set from the keyboard, allowing the operator to use only the prices previously stored and associated with the PLUs. (See in the appropriate paragraph "ARTICLE 0" in KEY OPERATIONS).

RETURNS or TRANSFERS

The button "-" allows you to compose negative numerical values relating to RETURNS or BANK TRANSFERS. Again, by pressing the "-" The value that the operator is typing will appear in the appropriate "Negative € / Pc" box. The scale, inhibited by the normal weighing function for the entire duration of the operation, returns active only when the operator is identified to record the transaction or by selecting another PLU or by pressing the key "C".

It is possible to execute the transaction immediately if, after having set the negative value, you proceed directly to the identification of the operator.

RETURNS or BANK TRANSFERS are not allowed that make the total determined up to that moment negative.

MULTIPLICATION OF GOODS SOLD IN BODY OR RETURNS

If the number of products sold in bulk or returns is more than one, after setting the unit price, or recalling a PLU as explained above, it will be possible to carry out a multiplication operation.

By pressing the key "X", by typing the number of pieces on the numeric keypad and confirming with the "ENTER" The result of the operation will be automatically calculated and displayed together with the number of items counted and the unit price.

The scale, inhibited by the normal weighing function for the entire duration of the operation, returns active only when the operator is identified to record the transaction or by selecting another PLU or by pressing the key "C".

It is possible to execute the transaction immediately if, after setting the number of pieces, you proceed directly to the identification of the operator.

DISCOUNTS

Different types of discounts are possible; the selection of the desired discount type must be made on the MASTER scale, on the SUBMASTER or by an external processor.

DISCOUNT FOR FAMILIES

The "DISCOUNT FOR FAMILIES" is applied to every transaction that uses a PLU combined with a product family with a discount programmed.

The discount will be highlighted by printing: for each transaction the discount percentage with the relative discount; on the total amount of the receipt, the total amount, the total discount and the final amount.

The discount provided for each family is introduced in the programming of the product families (see "FAMILIES" in KEY OPERATIONS).

TOTAL DISCOUNT

The "TOTAL DISCOUNT" is applied to each transaction but is printed only at the end of the receipt as the sum of the discounts.

The introduction of the total discount percentage is carried out in the programming of "BANK INFORMATION".

INDIVIDUAL DISCOUNT

The "INDIVIDUAL DISCOUNT" is applied to all stored items containing a discount percentage.

The "threshold" value is also present in the data of each stored article; if the threshold is different from 0, the discount is made every time the net weight is equal to or greater than the threshold.

In the case of full PLU, the "NxM" discount is managed by inserting N (eg I buy 3) in the threshold and M (eg I pay 2) in the discount. The discount occurs whenever the multiplication in the transaction meets the requirements stored in the PLU.

Several thresholds are allowed, each of which is associated with a discount.

The relative discount is printed on the receipt for each transaction; the total amount, the total discounts and the final amount are shown on the total on the receipt.

ATTENTION: If the threshold is set without a discount, this is to be understood as the "minimum print weight".

PLU-FAM DISCOUNT.

This type of discount includes both the PLU and the family discount.

If both discounts are present in a transaction, the PLU discount has priority over the family discount.

OPERATOR DISCOUNT

The operator discount is implemented manually with the "F1" and "F2" keys respectively used for:

F1 = single transaction discount. Must be used after PLU selection. Pressing it a message appears on the display indicating the selection of the discount percentage value, once the desired discount has been selected, press the OPERATOR key.

F2 = discount on the total. It must be used to close the receipt and once pressed yes set the discount percentage on the total, then pressing the operator key closes the receipt.

The use of one type of discount excludes the other possibility, that is, they cannot be used within the same transaction both discounts.

When the operator discount is selected on the scale, they cannot be combined with the "F1" and keys "F2" of the MACRO functions as they are used to activate and insert discounts.

DEDUCTION OF TARE VALUES

On the scale the tare values can be deducted in two different ways allowing the determination of the net weight. Reference has already been made to the tare associated with a PLU. If this has not been programmed or is not adequate, you can proceed as follows:

AUTOMATIC TARE

After placing the container or sheet of paper whose weight must be deducted on the weighing plate, by pressing the **"T"**. The weight value detected will be displayed as TARE and not as WEIGHT.

MANUAL TARE

If you already know the value of the weight you want to tare, you can proceed as follows:

- by pressing the key **"PT"** the message "MANUAL TARE" will appear
- with the numeric keypad the value of the tare to be deducted will be set (which must always be a multiple of the scale division)
- by pressing the key **"ENTER"** the operation is confirmed and the scale returns to the normal weighing function.

The maneuver listed above can be performed before or after placing the goods on the weighing pan and the symbol **"PT"** on the displays it will indicate that the tare value has been set via the keyboard. If the tare value entered, with any of the two systems listed above, is not correct, it can be canceled by pressing the key **"T"** with unloaded plate.

NOTE: The automatic tare and manual tare, set before recalling a PLU, override the tare value associated with the PLU itself. The values of the deducted tare can be printed, together with the other metrological data, on the receipts or labels.

BLOCKING THE PRICE AND THE TARE

If you want to keep the PRICE and TARE values for several weighs, just press the key **"FIX"** thus controlling the block of the two set values. The repetition of the maneuver will command its "unlocking". The symbol **"BT"** it will indicate the presence of the TARE LOCK, while the light **"BP"** will report the PRICE LOCK.

IMPORTANT: According to the regulations in force, it is not allowed to use the Tare block for scales used in direct sales to the public.

CALCULATION OF THE "DRIPPED WEIGHT" FOR FROZEN PRODUCTS

To allow the scale to operate in compliance with the laws for the trade of certain frozen products, it is possible to introduce the percentage of "glazing" to be subtracted from the net weight for the determination of the "Drained Weight".

To set the glazing percentage, proceed as follows:

- recall the PLU
- Press the button **"X"** (written "GLAZING ..%" on the display)
- enter the glazing percentage of the product with the numeric keypad
- close the maneuver by pressing the key **"ENTER"** for confirmation

If the percentage had already been linked by programming to the PLU, recalling this PLU will automatically obtain the calculation of the "Drained Weight".

NOTE: In the case of a "PRE-PACKAGING" scale, the price and weight are relative to the drained net weight, in all other cases the price and weight are relative to the net weight.

TRADITIONAL OPERATION

STORAGE OF WEIGHTS

The TRADITIONAL operating mode requires the use of both a continuous roll of paper (normal or adhesive) and a roll of labels.

By identifying himself on a system scale, each operator will command the storage in the appropriate registers of the MASTER scale of the data relating to the WEIGHT, TARE, PRICE, AMOUNT and CODE of the product being weighed.

Negative values related to RETURNS or BANK TRANSFERS can also be stored.

Negative values will be accepted only if their amount is not higher than the positive values already introduced: practically the customer who is serving will never be able to go into credit.

Negative values will be stored in special registers.

The viewer will indicate the operator's initials, the number of items purchased by the customer and their relative accumulated total to confirm that they have been stored. In case of failure to store, a specific message will indicate any error or anomaly.

Sufficient areas have been reserved for each operator in the memories of the MASTER scale (or in the SUBMASTER in the "Multibanco" systems) to contain the data of the various transactions carried out; the global number of these transactions is 600 and is divided among all the operators authorized to work on the counter. If the operator tries to continue his service beyond the maximum limit of transactions allowed, the scale will warn him with the message "REACHED NO. MAX TRANSACTIONS."

Using a roll of labels, the operator will obtain a label bearing the data relating to the WEIGHT, TARE, PRICE and AMOUNT for each product being weighed; just completed the service for your customer, by pressing the button **"TOTAL"** and by identifying himself, a label will be printed, showing, in addition to the header, also the Total of the transaction amounts and their number, the date of issue, the counter number and the operator code. The barcode is not provided on the labels of the individual transactions, but only on the closing label.

REVERSE OF WEIGHTS ALREADY MADE

The scale allows the operator to cancel the data of any of the weights carried out belonging to the service in progress or to the one reopened by operating with the following procedure:

- by pressing the key **"ST"** followed by the identification of the operator, all the transactions carried out by the operator will be shown on the display
- by pressing the keys **"-"** and **"↑"** (arrow down and arrow up) the operator will explore the lines of the receipt
- selected the transaction, by pressing the key **"ENTER"** the cancellation is ordered
- the button **"C."** Or the **"ESC"** (shift plu) will bring the scale back to normal operation.

PARTIAL OR SUBTOTAL TOTAL

By pressing the key **"RC"** Once the operator has been identified, he will recall the PARTIAL or SUBTOTAL TOTAL data of the service in progress on the scale displays.

PRINT OF THE "CUSTOMER TOTAL" RECEIPT

By pressing the key **"TOTAL"** (written "WAIT FOR OPERATOR" on the alphanumeric display) and identifying himself on any scale of the counter, each operator can command the CLOSING of the SERVICE and the printing of the total of the receipt. All the information recorded by the operator on all the scales used during the service just completed will be recalled from the memories of the MASTER scale and printed.

The issued receipt will show the data of *weight, tare, price / kg and amount* of each weighed product, their number and relative *amount due*. The receipt will be completed by *Now*, from the *date*, from the *number* or from *operator name* and possibly from lines of *heading*, from *ingredients, recipes, promotional data, logotype*.

The scale can be connected to a cash drawer: the opening of this drawer is automatically controlled by the scale each time the receipt is issued or the key is pressed twice. **"TOTAL"**.

If set up with the appropriate maneuver described in the PROGRAMMING chapter, a barcode will be printed so that it can be read at the cash desks equipped with a barcode reader (scanner).

I WILL RETURN

When the ticket is closed, the scale can calculate the change by enabling the "CHANGE ON" function (see chapter CONFIGURATION - Various Settings).

The operator number, the number of transactions carried out, the total of the receipt expressed in both primary and secondary currency are displayed on the screen; by introducing the amount on which to calculate the change under "CASH", the change is calculated and displayed immediately.

It is also possible by pressing the "+" or "-" inverting the primary currency with the secondary one to allow during the second phase Euro to accept payments in both circulating currencies (and therefore to calculate the relative remainders).

The information of cash paid and change in both coins will also be automatically printed on the receipt.

The change-giver function is only possible in receipt mode (traditional).

REOPENING OF THE RECEIPT

By pressing the key **"RC"** when the service is closed and identifying, the operator can reopen the last service performed in order to add the amount of the products that the customer had forgotten to order or cancel data entered incorrectly.

At the end of the maneuver, the key **"TOTAL"** and the identification of the operator will generate the issuance of a second receipt, which will contain all the items of the first receipt, those added after reopening, minus any data reversed.

Only the data contained in the second receipt issued will be accumulated in the General Total registers, so as not to alter the management data.

HEEL

If programmed (see chapter DATA MANAGEMENT - Counter information), after the issuance of a receipt the scale can print a ticket that will contain the same information provided for the receipt (the number of transactions carried out, the total of the receipt expressed in primary currency and secondary, the barcode).

The delay time for this further printout is programmable from 1 to 9 seconds.

SINGLE-TICKET OPERATION

In SINGLE-TICKET operating mode, both a roll of paper (normal or adhesive) and labels are used; in this operating mode, for each transaction, identifying only the operator, a ticket is issued containing the data of *weight, tare, price / kg* and *amount* of the weighed product. The receipt will be completed by *Now*, from the *date*, from the *number* or from *operator name* who issued it, from the bank code and, possibly, from the lines of *heading, from ingredients, recipes, promotional data, logotype*.

The print format of the SINGLE-TICKET is identical to that used in the LABEL mode.

The barcode relating to the PLU will have priority over the family and bank codes, which will be printed respectively in the absence of other settings. The printing of the barcode will be automatically suppressed for amounts exceeding that allowed by the type of code used. During the operation in SINGLE-TICKET it is not allowed to use the barcode for the Receipt Recovery, but only those relating to the AMOUNT or WEIGHT.

While using the scale in traditional mode, it is still possible to obtain a SINGLE TICKET using the SINGLE TICKET key.

AUTOMATIC OPERATION

The scale set up for AUTOMATIC operation will issue a label every time a product is placed on its plate after having recalled or set a price value; once the transaction has been made, the data of the item will be deleted waiting for the next setting.

The automatic operation manages both continuous paper rolls (adhesive or not) and label rolls.

OPERATION IN PRE-PACKAGING MODE

The scale set up for operation in PRE-PACKAGING will issue a label every time a product is placed on its plate after having recalled or set a price value.

The recalled or set price is not canceled at the end of each weighing but remains valid also for the following ones until new price values are recalled or set.

The "pre-pack" mode of operation is not allowed for direct sale to the public. In this mode it is mandatory to print the tare and the transaction cannot take place below the minimum weight.

MINIMUM WEIGHT

The scale set up for operation in PRE-PACKAGING has a minimum weight of 20 divisions, i.e. if this is 2 grams, the minimum weight is 40 grams (2g x 20).

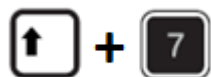
Without prejudice to the limits set out above, it is possible to associate a minimum weight to each item by setting it in the "Threshold" field and keeping the discount at zero.

LOTS

It is possible to associate a lot number and the identification data of the lot to each memorized item (PLU). In the data of each PLU, the pointer to the List5 text list indicates that the item is "to be traced".

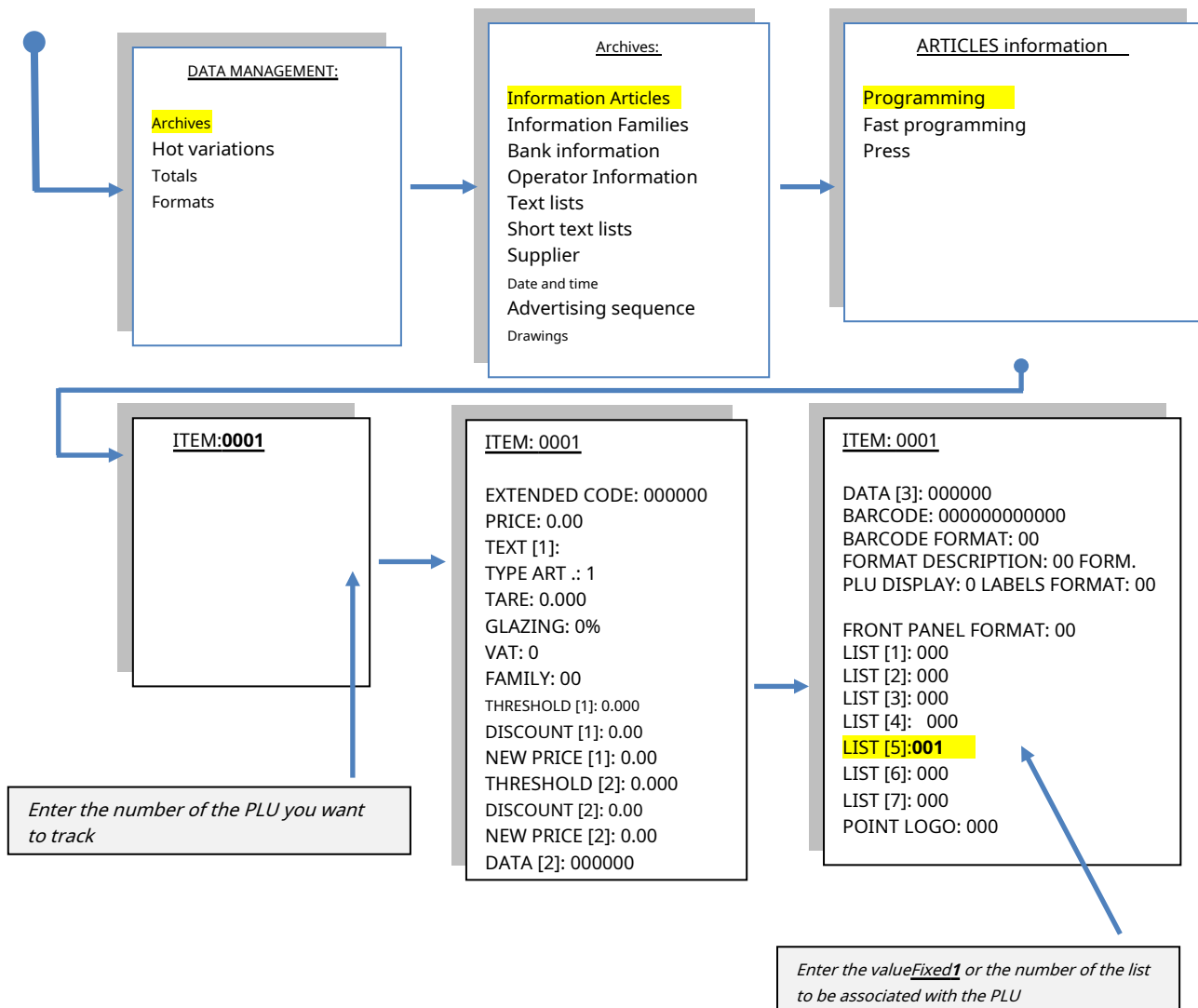
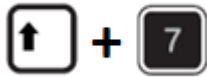
The article is defined as tracked using the following procedure:

- Enter programming by holding down the shift key and pressing the 7 three times from the keypad from 0 to 9



- Select the menu **DATA MANAGEMENT**
- Enter the menu **Archives**
- Confirm your selection **Information Articles**
- Enter the menu **Programming** with "ENTER"
- Select the article number (PLU) to be considered
- Enter the value **1** (Fixed parameter used to make the PLU TRACKED)
- Save with key **F1**

This operation must be repeated for each single article that you want to define a route.



A clarification regarding the planning phase of the tracked article if management is used

AUTOMATIC LOTS:

- The parameter to be attributed to LIST 5 is no longer FIXED (value 1) but becomes the number of the list in which the TRACEABILITY information has been stored. This value can change for each single PLU, thus automatically associating different information corresponding to the list number.

The functioning of the scale differs according to the selected batch management operating mode; the following methods are implemented:

AUTOMATIC

An article is defined to be tracked through a pointer that associates it with an element of the batch list. In AUTOMATIC operation, the information contained in the item pointed to are associated with the article information without requiring any other operation to the operator.

LOT

In the operating mode for LOT, the item must be defined to be tracked by associating it with an element of the batch list. After selecting the item, the scale displays the lot number present in the associated list, giving the operator the possibility to confirm the displayed lot or to enter another lot number. If the lot is actually present in the archive, it will be possible to proceed with the weighing operations, otherwise it will be signaled to the operator "lot does not exist".

LOT / LIST

In the operating mode for LOT / LIST, the item must be defined to be tracked by associating it with an element of the batch list. After selecting the item, the scale displays the associated list number, giving the operator the possibility to confirm it or to enter another list number. If the list is not present in the archive it will be signaled to the operator "list does not exist", otherwise the operator will be asked to enter the lot number (therefore no constraint is created between the list and lot number).

LOT / LIST VIS.

The operation mode for LOT / LIST VIEW. behaves like LOT / LIST mode.

As soon as the list number is selected, the data of the selected list are displayed to the operator to allow a visual check of the data that will be associated with the article.

LIST

In the operating mode for LIST, the item must be defined to be tracked by associating it with an element of the batch list. After selecting the item, the scale displays the associated list number, giving the operator the possibility to confirm it or to enter another list number. If the list is actually present in the archive, it will be possible to proceed with the weighing operations, otherwise the "list does not exist" will be signaled to the operator.

LIST / DATE

In the operating mode for DATE / LIST, the item must be defined to be tracked by associating it with an element of the batch list. After selecting the item, the scale displays the associated list number, giving the operator the possibility to confirm it or to enter another list number. If the list is actually present in the archive, it will be possible to proceed with the weighing operations, otherwise the "list does not exist" will be signaled to the operator. The date of the day will be automatically printed by the scale as batch number in the form: Year (2 digits), Month (2 digits), Day (2 digits) and, separated by a dash, the list number (2 digits).

ENTRANCE / LOTS

In the operating mode for INPUT / LOTS, the item must be defined to be tracked by associating it with an element of the batch list. After selecting the article, the meat is assigned an "entry number" to which both a batch and a list number are linked. The ENTRANCE number is a numerical code from 1 to 99 or from 1 to 999 which can be created automatically by a scale / truck or by a computer in charge of receiving the meat.

The operator who carries out the weighing operations must therefore, when weighing an article, set only this "input number".

CONNECTION TO TAX RECORDER

A fiscal recorder from the DITRON range can be connected to the second serial port of the scales. This connection allows you to send the final amount of the receipt issued by the scale to the fiscal recorder.

After being sent to the fiscal recorder, the receipt can no longer be reopened and therefore modified.

Transmission occurs automatically when the operator closes the current account on the scale; however, it is possible to configure the scale to request a further confirmation for printing the final amount on the connected fiscal recorder (see chapter CONFIGURATION - PROTECTIONS).

The fiscal recorder can be connected **only on COM2** .

For more information on enabling the device and the configurations to be made, see the chapters:

- CONFIGURATION - VARIOUS SETTINGS
- CONFIGURATION - NETWORK CONFIGURATION
- CONFIGURATION - ECR CONFIGURATION

CHANGE OF PAPER ROLL

The end of the roll of paper or labels will be indicated on the display with the message "**Printer out of paper**" which can be canceled, after having introduced the new roll, with the "**C.**".

The replacement must be carried out with the scale on.

The operator must, without turning off the scale, open the drawer (in the case of an internal printer) or the door (in the case of an external printer), replace the roll and reinsert the drawer complete with the new roll into the scale according to the following procedures:

SCALE WITH INTERNAL PRINTER

- Pull the printing unit by pressing the lever on the right side of the scale



fig. 1

- Raise the print head by pressing the indicated key (**fig. 2**)

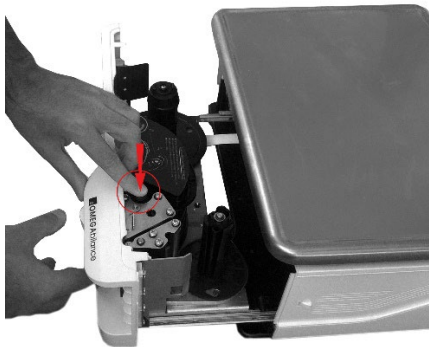


fig. 2

- In case of label roll, remove the first labels of the new roll

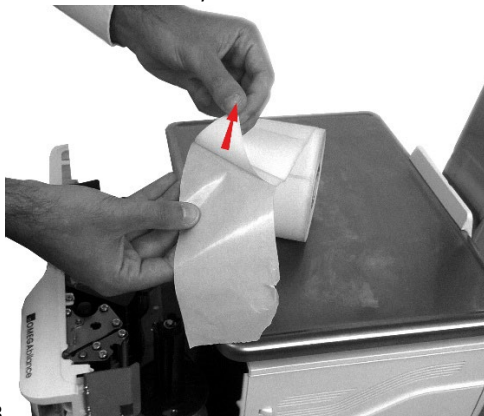


fig. 3

- Unscrew the roll holder knob shown in the figure clockwise



fig. 4

- Insert the roll, making sure that the siliconized support follows the path indicated in red in figure 7. The passage of the paper in the head is indicated in figure 6

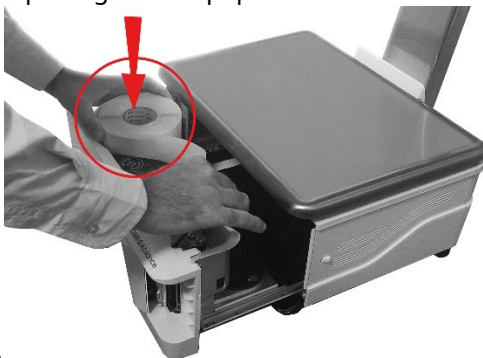


fig. 5

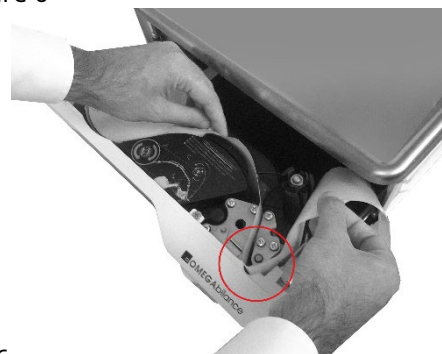


fig. 6



fig. 7

- Turn the roll holder knob counterclockwise to lock the roll into the housing



fig. 8

- Adjust the paper holder to keep the roll aligned against the drawer



fig. 9

- Unlock the rewriter by turning it clockwise



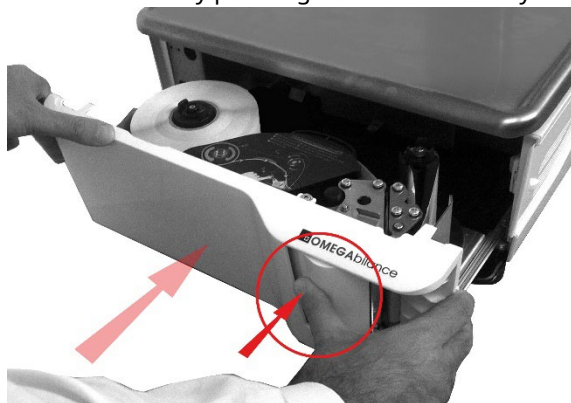
fig.

- Insert the silicone paper into the slots of the rewriter and lock it by turning the latter counterclockwise



fig.

- Close the head by pressing where indicated by the arrow, and close the drawer



SCALE WITH EXTERNAL PRINTER

- Open the drawer door as shown in fig. 1

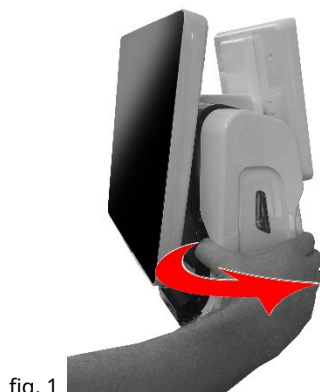


fig. 1

- Raise the print head by pressing the indicated key (**fig. 2**)



fig. 2

- In case of label roll, remove the first labels of the new roll

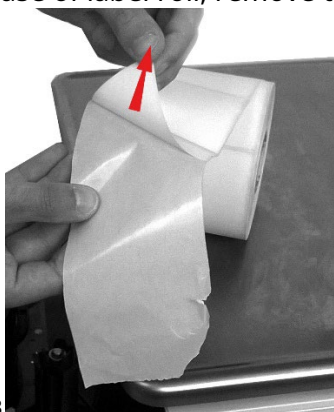


fig. 3

- Unscrew the roll holder knob shown in the figure clockwise



fig. 4

- Insert the roll, making sure that the siliconized support follows the path indicated in red in the figure 7. The passage of the paper in the head is shown in figure 6

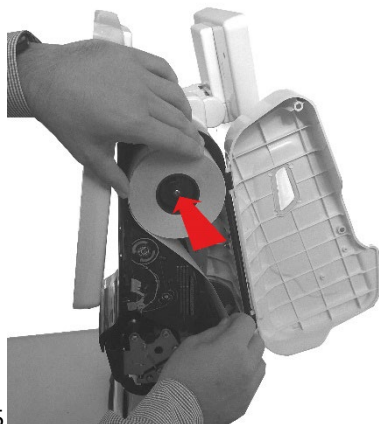


fig. 5

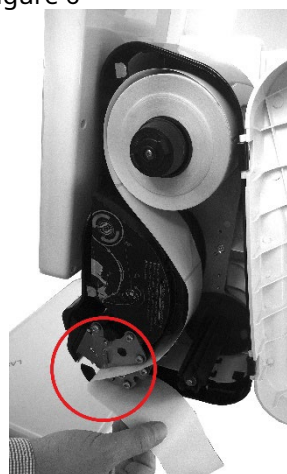


fig. 6

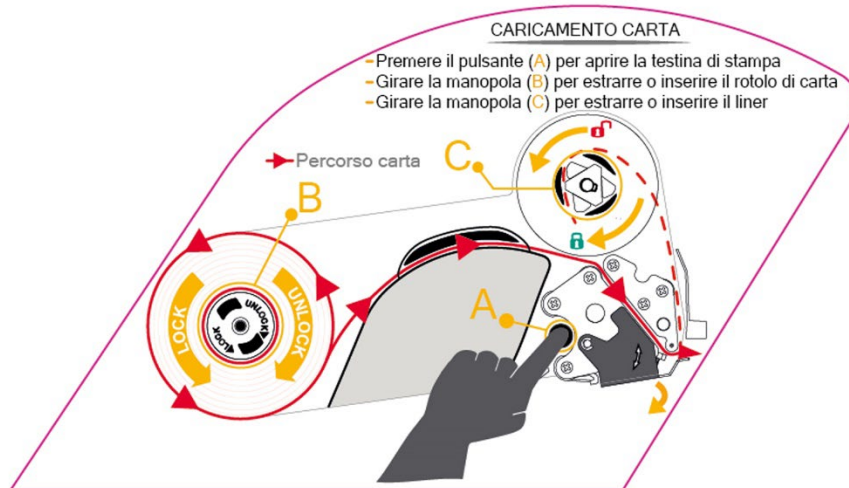


fig. 7

- Turn the roll holder knob counterclockwise to lock the roll into the housing



fig. 8

- Adjust the paper holder to keep the roll aligned against the drawer

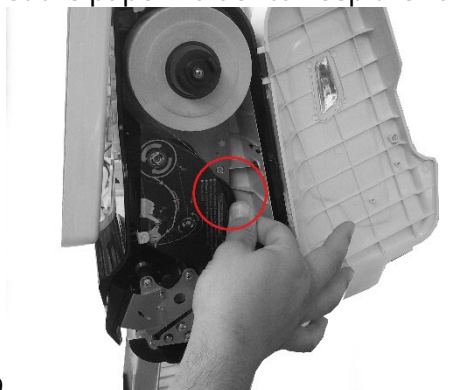


fig. 9

- Unlock the rewriter by turning it clockwise

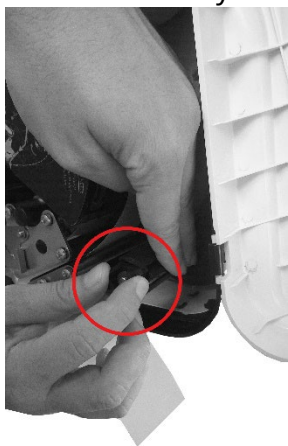


fig. 10

- Insert the silicone paper into the slots of the rewriter and lock it by turning the latter counterclockwise

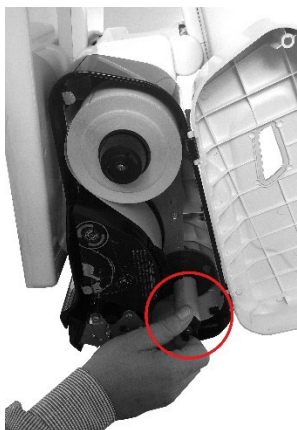


fig. 11

- Close the head by pressing where indicated by the arrow, and close the door



OPERATING MODE

The VBA, CS / PA and VBE scales only provide for the management of label rolls and the "traditional" operating mode is not supported. The other operating modes reflect what has already been explained in the previous chapters.

TRANSFER

It is possible to cancel the last label produced (damaged label and therefore it is not possible to apply it, error in the choice of the article, etc.). By pressing the "REVERSE" key, the scale will ask you to confirm the operation with the message "Label Reverse - Confirm?": Press the "**ENTER**" To carry out the reversal or the "ESC" or "C" keys to cancel the operation. The reversal will automatically update all the totals that will no longer carry the data of the last label.

REPRINT

By pressing the "REPRINT" key, a duplicate of the last label produced by the scale is obtained. The copy of the label can reproduce both a total label and a transaction; in the latter case, the data on the copy label will not update the totals.

TOTAL

The management of the totals does not involve the management of operators and is divided into:

- Subtotal 1 and 2
- General Total
- Grand Total

The information printed on the total labels can be integrated with other information in that each total label is printed using label formats; Normally the label format 90 is used for the Subtotals, the format 91 for the General total, the format 92 for the Grand Total.

PARTIAL TOTAL 1 - 2

Subtotals 1 and 2 are two separate subtotals concerning the displayed item and are increased with each transaction until another subtotal label is requested; the partial totals are local, ie they are accumulated independently on each scale. By pressing the "TP1" or "TP2" keys, a total label will be printed containing, in addition to the description of the item, the number of transactions carried out, the total weight and amount of all transactions carried out and possibly the code to bars.

GENERAL TOTAL

The General Total concerns the item displayed and is increased at each transaction until the scale totals are reset; the General Total is common to all the scales of the same bank. By pressing the "TG" key, a total label will be printed containing, in addition to the item description, the number of transactions carried out, the total by weight and amount of all transactions carried out and possibly the bar code.

GRAND TOTAL

The Grand Total represents the sum of all the items handled and is increased at each transaction until the scale totals are reset; the Grand Total is common to all the scales of the same bank. By pressing the "GT" key, a total label will be printed containing, in addition to the description of the item, the number of transactions carried out, the total by weight and amount of all transactions carried out and possibly the bar code.

OPERATOR UTILITY (VBA - left click) (*)

In this menu the operator, with any type of wrench available, has the possibility to quickly access the adjustments concerning the normal functioning of the scale.

By pressing just one button, you have direct access to the main settings and information menus; it is possible to return to the main menu by pressing the "ESC" key.

ROLL OF LABELS

CONTINUOUS ROLL

The "PLU3" and "PLU4" keys are disabled since the VBA only foresees the use of labels.

PLU5: PRINTER / PACKAGING MACHINE

For VBA models only.

By pressing the "PLU5" key you can make the main adjustments of the printer and place the labeller in operating mode without the packaging machine.

Packaging machine

By pressing the "shift" and "F1" keys you access the "Help" function ("HELP") which allows you to select:

- "OFF" if you want to use the labeller without the packaging machine
- "ON" if you want to use the labeller in combination with the packaging machine

Applicator delay

If the VBA labeller is used without the packaging machine, it is possible to adjust the cadence of the label application by introducing a value between 0 and 9.

Setting the value 0 to select manual operation; at each transaction, the "ENTER" For the application of the label.

A value other than 0 represents the seconds to wait before the automatic application of each label)

Packaging machine (code)

The VBA labeller can be integrated into different packaging machine models; set "1" in case of integration with the Automac Elixia Plus filming machine, set "0" in case of integration with the Ulma Compact Plus filming machine.

Intensity

The print intensity is adjusted by varying the intensity value, normally 5, from 1 to 9. Pressing the "F4" key will print the contrast.

(*) If there is no "key block", see the SCALE PROGRAMMING paragraph - OPERATIONS TO BE PERFORMED WITHOUT THE KEY LOCK

WHAT TO DO IF ...

Each operation on these scales is carried out by showing a message on the screen; this message can contain a request to the operator or an error message.

The messages are therefore divided into two groups, within which they are listed in alphabetical order to facilitate their search:

- Operation messages
- Error messages

OPERATING MESSAGES

WAITING OPERATOR

The total key has been pressed and the scale is waiting for the operator key to indicate on which operator to close the ticket.

WAITING TALOON

We are waiting for the time set for printing the taloon: printing occurs automatically at the preset time or immediately, by pressing any key.

ZERO AMOUNT

It appears when you try to store the data of a transaction without having set or recalled the price (amount equal to zero).

MEMORY NEAR EXHAUST

The balance of the balance is close to full. Reset the totals and if the message reappears call the Assistance Service to install any memory expansion.

OPERATOR BLOCKED

The operator is blocked on another scale on which a reversal operation is in progress (check if any other employee is using the same operator key by mistake).

OPERATOR DISABLED

This message is displayed if a disabled is made. transaction with an operator key

ILLEGAL WEIGHT

Attempted transaction with illegal weight (below the minimum weight or out of range).

MANDATORY PLU

On the scale, enabled to weigh only with prices combined with PLUs, the operator tries to set a price directly with the numerical keyboard.

DIFFERENT PRICE

It is displayed on the SLAVE when the price of the PLU being weighed is different from the one stored in the MASTER. To eliminate the anomaly found, it is necessary to make a hot change in the price of the PLU in question or a "Request Articles" on the SLAVE scale.

REACHED NO. MAX TRANSACTIONS

Indicates that the maximum limit of 30 transactions has been reached. The operator must therefore close the receipt and open another receipt.

SEARCH ZERO

It is displayed during the power on procedure of the scale. Check that there are no goods on the weighing pan or that the pan is "blocked" by some foreign body.

DOWNLOAD THE PLATE

After a trade was made, there was no weight change or "zero" crossing.

RECEIPT CLOSED

Attempt to close an already closed receipt.

CANCELLATION NOT SUCCESSFUL

Attempt to make a reversal on an operator already closed (without transactions in memory).

ILLEGAL TARE

This message is reported when an attempt is made to use a tare value that is not compatible with the metric division of the scale: the tare must in fact be a multiple of the metric division. In order to still allow you to use the item in question, after this signaling the PLU will be displayed setting the tare to zero.

DIFFERENT ITEM TYPE

It is displayed on the SLAVE when the article type of the PLU being weighed is different from the one stored in the MASTER. To eliminate the anomaly found, it is necessary to make a hot change in the price of the PLU in question or a "Request Articles" on the SLAVE scale.

TOTAL LOWER THAN ZERO

Attempt to store a Return greater than the current amount.

ILLEGAL OPERATION

The operator has carried out an illegal operation (for example manual tare after an automatic tare, tare on bulk goods).

BATCH NOT EXISTING

The operator has set a lot number not present in the archive (message active only after enabling the traceability functions).

KEYBOARD DISABLED

The operator has disabled the use of the keyboard by turning the key **foresting position**.

ERROR MESSAGES

PAPER ERROR

It signals the end of the labels or the paper roll. The same error is also displayed if a roll of paper or labels incompatible with the programmed operating mode has been inserted in the scale. In the case of using LABELS, the label format to be used must be modified and the STEP in programming the printer parameters must also be adapted.

DATA ERROR

An error occurred while reading the internal archive of the scale: switch the scale off and on again. If the message reappears, call the After-Sales Service.

ERROR IN TRANSACTIONS

An error has occurred in the management of operator receipts: switch the scale off and on again. If the message reappears call the After-Sales Service.

PRINTER ERROR

An error has occurred in the management of the scale printer: switch the scale off and on again. If the message reappears, call the After-Sales Service.

ERR. PRINTER: illegal format

The operator tried to carry out a weigh but a non-existent label format is requested in the selected article; check the accuracy of the data of the chosen article and, if correct, verify the existence of the label format referred to by the article.

FAILED

The scale has made a request for data to its MASTER or SUBMASTER and has not received any response. To restore the connection, follow the instructions described in the "Master Absent" paragraph.

ALREADY PRESENT

The scale has the same network number as another scale already running in the system. The scale must therefore be assigned a different network number.

BATTERY INDICATOR



When this indicator comes on, it warns the operator that the scale is working with internal batteries. Check the power supply line of the balance (power cable disconnected, main switch off, etc.), the 1.6 A 5x20 type fuse located next to the power cable socket. If the indicator is still on, call the After-Sales Service.

MASTER ABSENT

The switching on order of the scales was not respected by switching on a SLAVE scale before its MASTER or SUBMASTER or a SUBMASTER scale before the MASTER. The message may also appear during the operation of a SLAVE or SUBMASTER scale in the event that the connection with your MASTER fails. Check the correct functioning of the MASTER scale, any other SLAVE scales and then try to switch the scale off and on again.

ATTENTION: *this error could mean that the MASTER or SUBMASTER scale of a bank has problems with the management of the SLAVES connected to them. In this case, in order to restore operation of the concerned bench as soon as possible, it is necessary to "create" a new MASTER or SUBMASTER scale as follows:*

- *turn off all the scales on the bench*
- *switch on a SLAVE and when the date appears press the key "ENTER" to enable it*
- *when the scale display shows "- - TEST - -" press the "C."<23>: the scale will automatically become the MASTER or SUBMASTER of the bank*
- *switch the other scales on the bench back on*

If the message reappears, call the After-Sales Service.

MEMORY SATURE

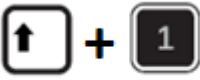
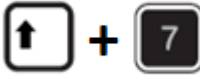
The balance of the balance is full. Reset the totals and if the message reappears call the Assistance Service to install any memory expansion.

PROGRAMMING OF THE SCALE

These pages indicate the keys to be used for the different balance versions.

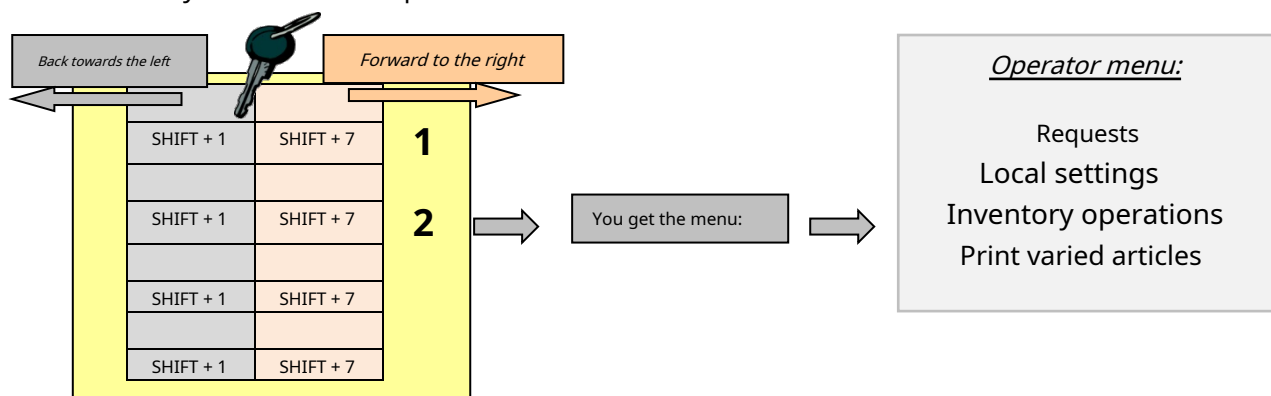
Model: PL-PLC-CS-CS / PA-CS / P-VBE-VBA

The corresponding keys to activate the operations with the electronic key are:

KEY	OPERATION DESCRIPTION
<u>SHIFT + 1</u> 	Each time these keys are pressed, in the indicated sequence, the key a is turned <u>LEFT</u> of a position
<u>SHIFT + 7</u> 	Each time these keys are pressed, in the indicated sequence, the key a is turned <u>RIGHT</u> of a position

EXAMPLE: you want to change a parameter in the LOCAL SETTINGS menu.

- Press the "**SHIFT**" Do not release it, then follow the "**7**" ← **1**
- The first key position to the right is activated
- Press the "**SHIFT**" Do not release it, then follow the "**7**" ← **2**
- You enter the menu OPERATOR
- From this point on, the key must no longer be used, so scroll and activate operations using the keys previously provided for these operations:
ARROW key for moving through the menus.
ENTER key to confirm
ESC key to return to the previous menu



The scale programming and configuration menus will have the following layout:

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1st click on the left: **UTILITY OPERATOR**

Contrast Viewers
 Label roll / continuous
 Printer

1st click to the right

2nd click on the right: **OPERATOR MENU**

Network (TCP - IP)
 System Information
 Network Configuration
 Zero research
 Keys test
 Repackaging
 Keyboard disabled
 Requests
 Local settings
 Inventory Operations
 Print Varied Items
 Colors

3rd click to the right: **DATA MANAGEMENT**

Archives
 Hot variations
 Totals

4th click to the right: **CONFIGURATION**

Formats
 Various settings
 Subdivisions
 Events (calibration)
 Printer
 DB configuration
 Networks configuration
 UDP configuration
 ECR configuration
 Protections

OPERATION IN PROGRAMMING

The programming operations are distributed in different positions of the key.

For each position the operator has a series of menus in cascade. This means that a series of selections are proposed; once a selection is made, another is proposed and so on until the selections are exhausted. Obviously, each series of selections can be explored by means of suitable function keys until the desired selection is identified, while an appropriate function key allows to confirm the selected selection. Another function key allows you to return to the previous menu. The table shows the list of keys with the relative explanation of the functions performed.

The selections are self-explanatory in the sense that they contain a description, in full, of the type of selection or the type of data to be entered. In any case, to make data entry even more accessible to the user, a "Help" button ("*HELP*") helps to provide additional information relating to the type of selection or type of data.

The sequence of menus organized by levels and a quick explanation of the parameters and data that can be programmed through the menus are presented below.

SPECIAL KEY FUNCTIONS

During programming, some keys have the following meaning:

Key	Function	Description
2	-	cursor (or field) down
3	Page-	move to the previous item
4	-	cursor (or field) to the left
6	-	cursor (or field) to the right
8	-	cursor (or field) up
9	Page-	move to the next item
F1		Memorization
F2		Cancellation
F3		display of formats
F4		test print
shift		pressed in combination with another key gives access to the second function of the same key choice of uppercase / lowercase character
shift F1	HELP	display of allowed values
shift F3	INS	how to enter characters
shift F4	←	delete character on the left
shift 7		key latch on the left (only in the absence of the key lock)
shift 1		key click on the right (only in the absence of the key lock)
Plu	ESC	exit the current menu and return to the previous one
Total	ENTER	confirmation of the operation or data introduced

OPERATOR UTILITY (left click)

In this menu the operator, with any type of key available, has the possibility of quickly accessing the adjustments concerning the normal functioning of the scale, the tests. By pressing a single key, you have direct access to the main adjustments and information menus. ; it is possible to return to the main menu by pressing the "ESC" key.

PLU1: VISOR CONTRAST 1 (Operator)

Press the "PLU1" key to adjust the contrast of the operator's viewer; the adjustment is continuous, therefore pressing the key repeatedly will switch from the maximum to the minimum available contrast.

PLU2: VISOR CONTRAST 2 (Customer)

By pressing the "PLU2" key you can proceed to adjust the contrast of the customer's viewer; the adjustment is continuous, therefore pressing the key repeatedly will switch from the maximum to the minimum available contrast.

PLU3: LABEL ROLL

Pressing the "PLU3" key configures the scale to operate with label rolls. The selection is confirmed by displaying:

<i>Roll label</i>	<i>ON</i>
<i>Continuous roll</i>	<i>OFF</i>

A label is also printed to test the efficiency of the thermal head and check the calibration of the photocell; any problems with the thermal head will be highlighted by printing white or black lines. In this case, call the After-Sales Service as errors may occur in the barcode printing.

PLU4: CONTINUOUS ROLL

By pressing the "PLU4" key, the scale is configured to operate with continuous rolls (adhesive or not). The selection is confirmed by displaying:

<i>Roll label</i>	<i>OFF</i>
<i>Continuous roll</i>	<i>ON</i>

A print is also made to test the efficiency of the thermal head; any problems with the thermal head will be highlighted by printing white or black lines during the test. In this case, call the After-Sales Service as errors may occur in the barcode printing.

Pressing the "PLU4" key for the second time you will obtain a summary printout of the configuration and the main programming of the scale. Information from the following menus will be printed: system information, local settings, miscellaneous settings, network configuration.

PLU5: PRINTER

By pressing the "PLU5" key you can make the main adjustments of the printer.

Each operation automatically carries out a print to test the efficiency of the thermal head; any problems with the thermal head will be highlighted by printing white or black lines during the test. In this case, call the After-Sales Service as errors may occur in the barcode printing.

PAPER FEED

It represents how much the receipt must have advanced after the end of the printing of the last line of the receipt itself; this in order to facilitate the cutting of the receipt.

The default value is 20, and each number corresponds approximately to an advance of 2 millimeters. Pressing the "F4" key also makes a printout to test the efficiency of the thermal head.

STEP (Label)

It is the regulation of the advancement of the label in order to facilitate the removal of the label itself. Each number corresponds approximately to an eighth of a millimeter advance.

To facilitate the determination of the required step value, the "Help" function ("HELP") is available. By pressing the "shift" and "F1" keys, a step value is automatically detected which will require at most small adjustments.

Pressing the "F4" key tests the label advancement and the efficiency of the thermal head.

INTENSITY

The print intensity is adjusted by varying the intensity value, usually 5, from 1 to 9.

Pressing the "F4" key will print the contrast and test the efficiency of the thermal head.

PLU5: PRINTER / PACKAGING MACHINE (VBA)

By pressing the "PLU5" key you can make the main adjustments of the printer and the packaging machine.

ON / OFF packaging machine

If the packaging machine allows it, it is possible, by setting this option to OFF, to print the labels with the packaging machine stopped,

Applicator delay:

Set a delay after the "APPLY LABEL" command

Code packing machine:

0 - with ULMA packaging machine (default value)

1 - with AUTOMAC ELIXA PLUS / ELIXA MEGA packaging machine 2

- with AUTOMAC 33/38 packaging machine

Intensity

The print intensity is adjusted by varying the intensity value, usually 5, from 1 to 9.

PLU6: NETWORK

By pressing the "PLU6" key, a test is carried out on the bench scales network; in the case of a "master" scale, the addresses of all the connected "slave" scales will be displayed, while on each "slave" the address of the "master" will be highlighted.

PLU7: SYSTEM INFORMATION

By pressing the "PLU7" key, the main characteristics of the scale are displayed:

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model, program version installed, keyboard version, weight converter version, "loader" version, type of head installed (2 or 3 inches), amount of free RAM and FLASH memory, maximum number of PLU items available (1,000 or 10,000) and used, network number of the scale (with the relative indication of "master" or "slave"), interfaces used for connection to a "HOST" computer and to the other scales of the bench, IP address of the scale and its "master", use of the automatic request function for stored items (PLU), second interface used for connection to external devices.

Pressing the "F4" key will print the information displayed.

This information is shown in various windows which can be accessed by pressing the "**ENTER**".

PLU8: NETWORK CONFIGURATION

By pressing the "PLU8" key, the operator can change the address of the scale if there is another scale with the same bank address; after modifying the address, press the "**F1**" to confirm.

PLU9: ZERO SEARCH

By pressing the "PLU9" key the scale will carry out the zeroing of the weight system.

PLU10: AS KEYBOARD (90, 100)

This function allows you to change the configuration of the keyboards of the AS models.

On the AS90 scale, pressing the "PLU10" key activates or deactivates the operator keyboard.

On the AS100 scale, the keyboard is configured in "Pre-pack" mode (see diagram in the chapter reserved for AS scales).

PLU11: KEY TEST

By pressing the "PLU11" key, the test of each key of the scale is carried out.

In fact, by pressing any key, the key code and its description will be displayed (for example by pressing the delete key you will get "Code 81 CLEAR").

Pressing the same key three times exits the keyboard test function and returns to the "Operator Utility" menu.

PLU12: Repackaging

Pressing the "PLU12" key enables (ON) or disables (OFF) the "Reconfection". When the item is set to 'ON', the message "Reconfection" is displayed on the operator display, the labels made in this mode are not

generate totals. This method should not be confused with the inventory operation of the same name. Deactivation occurs automatically when the scale is turned off or if the operator enters programming.

Further information on this mode can be found in the protections menu.

REST POSITION (first click on the right)

The first click on the right disables the keyboard functionality leaving the scale in the non-use position (stand-by) and allowing the extraction of the key.

In this position, however, the scale remains active towards the other peripherals (master or slave scales, processor), thus receiving any data updates.

OPERATOR MENU (second click on the right)

The operator, with any type of key available, has the possibility to update the scale data by requesting them from the hierarchically superior unit, to carry out inventory operations, to modify the local data. By pressing just one key, you have direct access to the following functions:

- Requests
- Local settings
- Inventory operations
- Print varied articles
- Colors

REQUESTS

Data requests are made from any scale to the hierarchically superior unit. All scales in a system with CONCENTRATOR (MASTER and SLAVE) are enabled to request all operating parameters and / or data archives for loading or updating their own registers. In the MULTIBANK system, the MASTER and SUBMASTER scales cannot use these functions as the data must be transmitted from the computer and not requested; it is always possible to use the requests for SLAVE scales. The MASTER scales of a system with ETHERNET connection have the same characteristics as the MULTIBANK system. To make a request in the permitted cases it will therefore be sufficient:

- turn the key 2 clicks to the right
- when the cursor is positioned on "REQUESTS" press the "**ENTER**"
- using the arrows, select the desired request and press the "**ENTER**" To confirm your choice

The following requests are available:

GLOBAL
ARTICLES
FAMILIES
OPERATORS
BANK INFORMATION
 LIST OF TEXTS
 SHORT TEXT LISTS
LABEL FORMATS
RECEIPT FORMAT
 FORMAT DESCRIPTION
PLU DISPLAY FORMAT
BARCODE FORMAT
 FRONT PANEL FORMAT
ADVERTISING FORMAT
ADVERTISING SEQUENCE
 EAN128 DRAWINGS ACQUISITION
 FORMAT
CONFIGURATION
KEY PAIRING
 DATE AND TIME
FUNCTION KEY FORMATS
LOTS ENTRY

LOCAL SETTINGS

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The "Local Settings" menu allows you to independently configure each scale. This means that a scale can work, print a barcode, use a different label format than other scales on the same bench.

These configurations take precedence over other programming if no mode (none) is selected in the operating mode of the desk.

DEFAULT OPERATIONS_

PROGRAMMING

In addition to the *default operations*, the operation mode can also be set in the bank, family and operator archives. In case of incompatible modes, operation will be managed according to the following priorities:

- 1 - Operator
- 2 - Family
- 3 - Banco
- 4 - Default operation

The latter, as you can see, has the lowest priority.

Continuous roll / labels: the operating modes of the scale are defined when using a continuous thermal paper roll (adhesive or not) or a roll of labels. By replacing a roll of paper with one of labels (see "Operator Utilities menu) or vice versa, the scale will automatically adopt the operating mode specified for that type of roll. The operating modes allowed are:

- 1) NONE: no type of operation selected, the default one of the scale model is used
- 2) TRADITIONAL: possibility of carrying out more weighings in the same account. In the case of using the *glazing*, the *weight* and the *price* are related to *net weight and not the drained net weight*.
- 3) SINGLE TICKET: single transaction identifying the operator. In the case of using the *glazing*, the *weight* and the *price* are related to *net weight and not the drained net weight*.
- 4) AUTOMATIC: single transaction with issuance of the ticket or label automatically with stable weight. In the case of using the *glazing*, the *weight* and the *price* are related to *net weight and not the drained net weight*.
- 5) PRE-PACKAGING: the chosen article remains blocked until it is canceled or another article is recalled; the ticket or labels are printed at each weight variation. In this mode the label will not be issued with weights lower than 20 divisions (e.g. for a 2g the *minimum weight* is $2 \times 20 = 40$ grams). In the case of using the *glazing*, the *weight* and the *price* are related to *drained net weight*. For full-body articles, printing takes place when the Single-Ticket button is pressed. With body items it is possible to set the number of labels to be printed, setting the number of labels is done by pressing the multiplication key twice after recalling a PLU. The first time the key is pressed "X" the multiplier is requested, which by default is 1 the second time the number of labels is requested.

This method is not allowed in direct sales to the public.

Operating on the scale, it is always possible to have information on the values allowed for each field using the "HELP" function ("shift" and "F1").

Scanner: the type of barcode reader used by the scale is configured; using the "HELP" function ("shift" and "F1") select between:

- NONE: no reader connected
- EAN 8/13: Ean8 and Ean13 format barcodes are managed to recall the memorized articles by reading their barcode instead of setting the recall number with the keyboard
- EAN 128: Ean128 format barcodes are managed to acquire data concerning the traceability of beef
- PDF 417-1: a particular barcode PDF 417 format is managed to acquire data concerning the traceability of beef
- PDF 417-2: a particular barcode PDF 417 format is managed to acquire data concerning the traceability of beef and 1 month is added to the animal age (eg age 10 months becomes "less than 11 months").
- EAN 8 / 13-2 A barcode starting with 2 is read, the first 7 digits are used to search for the corresponding PLU while the PLU price is replaced by the content of the next 5 digits.

EAN128 acquisition format: being the EAN128 barcode of variable content and length, it is defined which acquisition format to use to acquire the data contained in the barcode itself.

Lists of lots: defines how many times the batch list is requested, the available values are 0,1,2. The values 0 and 2 can only be used in LABEL and with one of the following LOT / LIST, LIST and DATE / LIST modes. If 0 is indicated, the list used is always 1 while if the value is "2" it enables the request for 2 lists at each recall of a PLU associated with a lot. The information available for printing the label is the combination of the 2 lists. The behavior is shown below:

LIST 1	LIST 2	PRINTED LIST
field 1: A field 3: C field 5: E field 6: H	field 2: B field 4: D field 6: F field 7: G	field 1: A field 2: B field 3: C field 4: D field 5: E field 6: F field 7: G

As can be seen from the example, list 2 has higher priority than list 1 if the presence of the same field occurs in both.

Remember that the second list of the previous account will always be shown on the screen as the first list of the current account.

The second list will always prevail in the totals of the labels printed in this mode.

KEY PAIRING

PROGRAMMING

It is possible to associate an article stored with each direct recall key with the following operations:

- set the number of the key to be programmed and press "**ENTER**" Set the number of the memorized article to be associated and press the "**F1**" to memorize
- to verify the operation just carried out, the main data of the chosen article will be displayed

The configuration of the article recall keyboard can also be carried out in different ways:

- on a computer and transmitted to the scales
- on the "master" scale of the bench and requested with the specific request menu from each "slave" scale

PRESS

A memo is printed specifying the associated article for each recall key.

DEFAULT FORMATS

PROGRAMMING

Which label formats to use in the following cases are chosen:

- Weighed goods
- Goods to the body
- PLU Partial Total (only for pre-pack labellers)
- General Total PLU (only for pre-pack labellers)
- Grand Total (only for pre-pack labellers)

Each type of product (weighed or not) and total (partial or general) will then come automatically matched to your label format; if a pointer to a label format is introduced in the data of an article, this will in any case take precedence.

ENABLING OPERATORS

PROGRAMMING

The scales to which this manual refers manage up to 30 operators; the first 10 are already active with the normal configuration with which the scale is supplied.

It is possible to increase or decrease the number of operators and establish, for each operator, the following information:

Operation

This is the operating mode of the single operator; the permitted operating modes are:

- 1) NONE: no type of operation selected.
- 2) TRADITIONAL: possibility of carrying out more weighings in the same account.
- 3) SINGLE TICKET: single transaction identifying the operator.

Operating on the scale, it is always possible to obtain information on the values allowed for each field using the "HELP" function ("shift" and "**F1**").

Text

The operator is indicated by default with its identification number.

Position the cursor on the "text" field, press the "**ENTER**". And, using the alphanumeric keyboard, enter an identification text as desired (for example the name of the operator); by pressing the "ESC" key you leave the text programming window.

Operator

Using the "HELP" function ("shift" and "**F1**") it is possible to enable or disable the use of the operator by choosing between the two choices "ON" and "OFF".

Operator key

While the first 10 operators have a dedicated keyboard, when enabling operators 11 to 30 it is necessary to dedicate a PLU key to each operator.

After positioning the cursor on the "operator key" field, press the PLU key that you want to associate with the operator.

PRESS

A memo is printed containing the information of active operators.

INVENTORY OPERATIONS

The operator with any programming key has the possibility to:

- Cancel a receipt (only if the scale is enabled for receipt recovery)
- manage the merchandise of the sales counter through INVENTORY, PLACEMENT, REVERSE and RE-PACKAGING operations.
- using a remote system to manage the goods from another sales counter through INVENTORY, PLACEMENT, REVERSE and RE-PACKAGING operations.
- print front panels, programmable format labels to print the data relating to each item (example to create price displays to be displayed at the counter)
- perform the batch entry function with which the traceability of the articles is managed

In the model **VB** it is not possible to carry out the "CANCEL" RECEIPT, FRONT PANEL and "LOTS ENTRY" operations.

In all the other models of scales the printing of the front panels is possible both on the MASTER scales and on the SLAVE scales. This operation does not produce any totalization.

The other inventory operations can only be carried out on MASTER or SUBMASTER scales. The inventory operations can be carried out in a system with CONCENTRATOR only in ON LINE condition;

The totalization of the inventory operations concerning other counters require the additional use of a special program on the computer for the retrieval of the receipts (for example autotra.exe or autotraw.exe of network 6) even if it is not necessary to activate the scale for the receipt recovery. In the inventory operations for other banks, entry, cancellation and repackaging, the description of the PLUs is pre-built and is shown as "BANK:*bank number*PLU:*article number*"

To prepare the scale to work in "INVENTORY OPERATIONS" mode, the following procedure must be followed:

- turn the key 2 clicks to the right
- when the cursor is positioned on "INVENTORY OPERATIONS" press the "**ENTER**"
- select the operation to be carried out using the arrows and press "**ENTER**"

CANCEL RECEIPT

The cancellation of the receipt is used if you have operated in receipt recovery mode; the data processor that retrieves the receipts will be informed that one of them is canceled. This operation does not modify the totals of the scale and requires the activation of the receipt recovery mode.

When the "CANCEL RECEIPT" menu is selected, set the 13 digits of the bar code visible on the receipt and finally confirm with the "**ENTER**",

INVENTORY

Allows you to record the weight of the goods present in the counter; in this way the real data of the stock of all the items remained partially unsold is available.

When the "INVENTORY" menu is selected, set the bank number, press the **"ENTER"**, Set the article number to be inventoried and confirm with the **"ENTER"**. The description of the item will appear on the display, on the TARE display the tare possibly deducted using the **"T."**(Automatic tare) or **"PT"**(Manual tare). By pressing an operator key, the scale will print a receipt which will contain all the information on the operation performed (type of operation, description and weight of the inventoried item). In the case of an item sold as a piece, it will be possible to enter the number of packages inventoried by the operator using the numeric keypad. If a non-local bank has been selected, the key must be used to indicate that an item is a piece **"X "**.

ENTRY

The IMMISSION data represents the quantity of an item, obviously expressed in weight, which is moved from the central warehouse (for example a cold room) to the sales counter; the purpose of this operation is precisely to indicate all the movements of the goods within the store and to have at the same time the "unloading" of the central warehouse and the "loading" of the sales counter.

When the "INPUT" menu is selected, set the bank number, press **"ENTER"**, Set the article number to be inventoried and confirm with the **"ENTER"**. The description of the item will appear on the display, on the TARE display the tare possibly deducted using the **"T."**(Automatic tare) or **"PT"**(Manual tare). By pressing an operator key, the scale will print a receipt which will contain all the information on the operation performed (type of operation, description and weight of the inventoried item). In the case of an item sold as a piece, it will be possible to enter the number of packages inventoried by the operator using the numeric keypad. If a non-local bank has been selected, the key must be used to indicate that an item is a piece **"X "**.

TRANSFER

The reversal represents the quantity of the goods that are discarded and therefore are no longer available for sale (for example processing waste, damaged part of the product).

When the "REVERSE" menu is selected, set the bank number, press **"ENTER"**, Set the article number to be inventoried and confirm with the **"ENTER"**. The description of the item will appear on the display, on the TARE display the tare possibly deducted using the **"T."**(Automatic tare) or **"PT"**(Manual tare). By pressing an operator key, the scale will print a receipt which will contain all the information on the operation performed (type of operation, description and weight of the inventoried item). In the case of an item sold as a piece, it will be possible to enter the number of packages inventoried by the operator using the numeric keypad. If a non-local bank has been selected, the key must be used to indicate that an item is a piece **"X "**.

REPACKING

In the event that it is necessary to withdraw a pre-packaged product from a counter (for example due to a broken package) and repackage it, the scale is able to provide for an adequate "reload" of the weight of the package itself in the inventory data; otherwise, by doing, the same item would be totaled twice, thus falsifying the real data of the sold with respect to the entered. It is also possible to change the destination of the product in the event that the already packaged item is removed from the counter, reworked and then possibly repackaged as an item other than the initial.

When the "RECONFECTION" menu is selected, it is necessary to indicate both the source bank and the destination bank.), after which the article number of the source bank and the destination bank can be set. The button "**ENTER**" Allows the confirmation of any data entered.

The description of the item will appear on the display, on the TARE display the tare possibly deducted using the "**T**."(Automatic tare) or "**PT**"(Manual tare). By pressing an operator key, the scale will print a receipt which will contain all the information on the operation performed (type of operation, description of the repackaged item and of the item in which the package is re-entered and the weight of the package). In the case of an item sold as a piece, it will be possible to enter the number of packages inventoried by the operator using the numeric keypad. If a non-local bank has been selected, the key must be used to indicate that an item is a piece "**X**".

FRONT PANELS

The front panels are labels with a programmable format that are issued to print the data relating to each item (for example, making the price displays to be displayed at the counter).

During the printing operations of a front panel the weight is not detected and the totals are not modified.

When the "FRONT PANEL" menu is selected, press the "**ENTER**", Set the article number, press the "**ENTER**" To confirm and the description of the item will appear in the viewer. To print, press the "**ENTER**". To exit the front panel print menu, press the "**C**." many times.

DEFAULT OPERATIONS

This mask specifies which label formats are used for the following operations: Inventory, Entry, Reversal, Repackaging.

It also indicates which faceplate format to use.

When the "DEFAULT FORMATS" menu is selected, press the "**ENTER**"; set the number of the label format to be used for Inventory operations, press the "**ENTER**" To confirm and move on to the next programming.

To store all the entries, press the "**F1**". To exit the menu press the "**ESC**".

LOTS ENTRY

In the operating mode for Lots Input, the operator who carries out the weighing operations must therefore, when weighing an item to be tracked, set only the input number to be linked.

This operation is then sent to the processor

The INPUT number is a numeric code from 1 to 99 (the scale can be configured by the technician to use input numbers from 1 to 999) which is created automatically. The traceability code (ear tag or 14-character alphanumeric lot) and the other "variable" data present in the mask (tare, weight, slaughter date, animal age, control code) are combined with the data present in an element of List5 (which contains information such as born in, slaughtered in, name of the slaughterhouse, etc.) and marked with the entry number.

Operation is as follows:

- select the "LOTS INPUT" menu and press the "**ENTER**"
- the scale displays the first free input number and pressing the "**ENTER**" The proposed number is confirmed
- then enter the data relating to the animal to be registered by typing in the data and pressing "**ENTER**" To confirm each field and move to the next field
- once the data has been entered, press the "**F1**" to store the input number and print a faceplate as a reminder of the operation
- if you need more faceplates (example when processing a half-carcass you want to mark each part of the half-carcass itself so as not to confuse them with those of other half-carcasses) press the "**F2**" to obtain a copy of the original front panel (which will not increase the input data accumulated up to this moment); the duplication of a front panel is allowed at any time because the operator can set an existing input number and proceed to print other faceplates

Data can also be entered using a barcode reader; the information contained in the code will be read and acquired in the balance memories, thus avoiding the operator entering the data manually. EAN128 and PDF417 format barcodes are managed.

In this case the operations are very simplified:

- select the "LOTS INPUT" menu and press the "**ENTER**"
- the scale displays the first free input number and pressing the "**ENTER**" The proposed number is confirmed
- Press the button "**F4**" and the scale waits for the data that will be sent to it by the barcode reader

- once the data has been entered, press the "**F1**" to store the input number and print a faceplate as a reminder of the operation

The information acquired from the barcode thus automatically compiles the batch input data and the text list dedicated to the batches (List5). In the event that the information relating to an animal is the same as already present in the list archive (born in, slaughtered in etc.), a new entry number will be created (with variable data such as ear tag, date of slaughter, animal age) which recalls an already existing list.

NOTE: See chapter CONFIGURATION - Various Settings to enable batch input.

PRINT VARIOUS ARTICLES

VARIED PRINT

All the changes made on the stored items (PLU) are stored in the changed items register in order to produce a summary printout of the latest changes.

After a global request from the articles archive, only new articles or articles with a changed price will be added to the list of variations.

The operator can then take advantage of a quick and convenient summary relating to daily changes (for example to update the prices displayed at the counter).

ALIGNMENT

Once printed, the register of changed articles can be cleared using the "Alignment" function.

The changes will continue to be added to the list until the next alignment operation.

COLORS

Through this menu it is possible to change the colors of the metric part and the background of the scale:

METRIC (BACKGROUND)
(PEN)

MENU (BACKGROUND)
(PEN)

The colors available are 256, visible by pressing the "**Shift + F1**".

DATA MANAGEMENT (third click on the right)

Data management is allowed to the user in possession of the key "P" being positioned at the third click on the right.

If the scale uses the electronic keyboard, it is possible to protect the data management entry by means of a password, which can be programmed in "CONFIGURATIONS - Protections".

The various programs are arranged in menus that refer to the main functions and data in which the scale is divided:

- Archives
- Hot Variations
- Totals
- Formats

ARCHIVES

In the ARCHIVES menu you have access to all the data relating to the articles, to the programming relating to the product families and to the counters, to the print formats.

To move within the various menus, the operator will always have the arrows available to select the menus and the "ENTER" To confirm the choice made.

ARTICLE INFORMATION PROGRAMMING

Article no

It is the progressive number that identifies the article. The number of articles that can be stored depends on the availability of memory.

Extended Code

It is a code that can be combined with the article. It can be used as an article search key. The code can consist of up to 6 digits.

Price

It is the unit selling price of the goods. The price consists of 6 digits as a maximum.

Text

This is the product description of the PLU. by pressing the "ENTER" You enter the text editing mask. The maximum number of lines is 10, the maximum number of characters per line is 50.

Item Type

Indicates whether the item is sold by weight or by lump and the permission to change the price at the time of sale. The article types used and their meaning are indicated below.

Item Type	Meaning
1	Sale by weight, non-modifiable price
2	Sale to the whole, price not modifiable
3	Sale by weight, modifiable price per transaction
4	Full sale, modifiable price per transaction

Tare

Assign a Tare value to the article which must be a multiple of the scale division (e.g. 2 g for 12 kg scales, 5 for 30 kg scales)

Glazing

It is possible to set the scale to print glazing data by setting the percentage of "glazing" with respect to the net weight for each item.

VAT

It is the VAT percentage that is to be combined with the article.

Family

Each item can be combined with a "product family" having an address from "00" to "19".

All transactions carried out by setting the price per kg without recalling any stored article or by recalling stored items but without any family set, are automatically registered in the "zero" family.

Threshold

Defines the minimum weight threshold necessary to carry out the transaction.

If the discount percentage (or the new price) is not set, the transaction will not be carried out until the defined weight value is reached and the price per kilogram will be used.

If, on the other hand, the discount percentage (or the new price) is set, the transaction will be carried out using the price per kilogram if the weight detected is below the threshold; upon reaching the weight threshold (provided that the discounts have been activated) the transaction will be carried out using the new price. The discount operation will be highlighted on the receipt with the message "quantity discount".

I buy

This field is only visible for items sold in bulk (item type 2 or 4).

If this field is different from zero, a discount of the classic 3 x 2 type is applied where "I buy" is the threshold (number of pieces) and "I pay" is the discount; obviously, in this case, the discount occurs when the transaction satisfies the above relationship.

I pay

It is displayed only if the Buy item is different from zero, see the relative description.

Discount

It is the percentage of discount to be applied to the price per kg or per body. The introduction of the discount value automatically determines the calculation of the discounted price. For PLUs sold in bulk (such as articles 2 and 4), if the item "Buy" is different from zero, it takes on the meaning of "I pay".

New Price

It is the discounted price to be applied upon reaching the threshold value. The introduction of the discounted price automatically determines the calculation of the discount.

The introduction of the discounted price

Date 2

The expiration date can be defined by setting three pairs of digits corresponding to the day, month and year. If you set a maximum value of three digits (from 1 to 365), it would be interpreted as days of product life and the expiration date would be calculated by adding these days to the date provided by the scale clock.

Date 3

It is a further date for which the same rules as "Data 2" apply -.

Barcode

It is possible to print an EAN 13 type barcode. The structure of this code can be programmed using the "Barcode Format". The final "check digit" and the intermediate "check digit" (if provided) are calculated by the scale.

Barcode Format

Indicates which barcode format will be used for the item in question.

Format Description

Indicates which print format will be used to print the product description of the item in question.

PLU Display Format

Indicates which display format of the product description on the screen will be used for the item in question.

Label format

Indicates which label format will be used for the item in question.

Front panel format

Indicates which faceplate print format will be used for the item in question.

List [n]

The number of items in each list depends on the memory capacity. For each of the lists involved, here you can specify the number of the element to be associated with the article in question

Logo pointer

Indicates which image will be printed and displayed for the item in question.

By pressing the "F4" you will get a printout of the information relating to the item being programmed.

FAST PROGRAMMING

The fast programming allows to have access only to certain items making up the memorized article in order to have a more immediate editor in daily operations.

Only the main items will be displayed: price, type of article, tare, barcode, text.

By pressing the "F4" you will get a printout of the information relating to the item being programmed.

PRESS

The print functions produce a list of the various information composing the stored articles. Since large amounts of data are printed, all printing functions require the use of a continuous thermal paper roll.

Full Print

All the information relating to all the articles in memory is printed. To stop printing, press any key.

Short Print

Only the main information relating to all the items in memory is printed. To stop printing, press any key.

Print Variati

All the changes made on the stored items (PLU) are stored in the changed items register in order to produce a summary printout of the latest changes.

After a global request from the articles archive, only new articles or articles with a changed price will be added to the list of variations.

The operator can then take advantage of a quick and convenient summary relating to daily changes (for example to update the prices displayed at the counter).

Alignment

Once printed, the register of changed articles can be cleared using the "Alignment" function.

The changes will continue to be added to the list until the next alignment operation

FAMILY INFORMATION

The memorized articles can be combined with a product family (from 00 to 19) which can therefore contain a series of information and programming that will become common to all the articles associated with it.

These programming are the same as those present in the programming of the articles and therefore have the same meaning and operating methods; therefore refer to the paragraph "Information Articles". In any case, the succession of menu items is presented below.

PROGRAMMING

Family number

Text

Format Description

PLU Display Format

Operation

Barcode type

Threshold [n]

Discount [n]

It is the discount percentage to be applied to all items in the family sold by weight.

I buy

For PLUs sold in bulk (type 2 item) the discount can be of the "buy" - "pay" type (eg the classic 3 x 2); in this case, the discount occurs when the transaction satisfies the above relationship.

Discount Piece (Pay)

It is the discount percentage to be applied to all the items of the family sold as a whole (piece). when If he comes the "Buy" field is used this value takes on the meaning of "pay".

VAT

Logo pointer

Label format

Front panel format
Barcode format
Barcode

By pressing the "F4" you will get a printout of the information relating to the family being programmed.

PRESS

The print function produces a listing of the family information.
 Since large amounts of data are printed, all printing functions require the use of a continuous thermal paper roll.
 To stop printing, press any key.

BANK INFORMATION

The bench information contains a series of information and programming that will become common to all the items present in the scale.
 The information that is also present in the articles has the same meaning, therefore refer to the paragraph "Information Articles". The succession of menu items is presented below.

PROGRAMMING

Bank No.
Operation
Text
Format Description
PLU Display Format

Receipt Opening Format

Indicates which receipt opening format will be used for the receipt opening area.

Receipt Closing Format

Indicates which receipt closing format will be used for the receipt closing area.

Taloon opening format

Indicates which receipt opening format will be used for the taloon opening area.

Taloon Closure Format

Indicates which receipt closing format will be used for the taloon closing area.

Barcode type

Indicates how the barcode is managed. 6 modes can be selected:

1. Traditional Barcode; it is relative to the amount
2. Barcode Weight; it is relative to the weight, it cannot be used with multiweighing.
3. Receipt Recovery Barcode; it is used with the retrieval of the receipt by a computer.
4. Customer Barcode; used only with multi-weighing, it forces the request for the customer number when the receipt is closed.
5. Zero Amount Barcode; it has the same characteristics as the weight barcode, but is also issued if an item stored with a price at zero (and therefore an amount at zero) is used.

6. Family Barcode; it has the same characteristics as the amount barcode, but more barcodes are printed, one for each product family moved in the receipt; each barcode will show the family code instead of the bank code and will be printed with a programmable time interval (see "Wait" field).

Department - Identifier

They are used in the management of the barcode for receipt or customer recovery; indicate these two digits which department the receipt comes from.

Discount type

It is possible to select different types of discounts:

ipo Discount	Meaning
	No discount
	Family discount
	Total Discount
	Individual Discount
	PLU-Family discount

If "1 - No Discount" is selected, any discount data present in the archives will not be considered.

Threshold [n]

Discount

I buy [n]

Discount Piece (Pay)

Logo pointer

Front panel format

Barcode Format Off-Line

Barcode Format Barcode

Number of Customers

This field allows you to set the maximum number of customer or receipt. The maximum number that can be set is 9999. (Default 999)

Taloon

This function allows the issuance, in addition to the traditional receipt, of a second confirmation ticket to be presented at the cash desk for payment; after payment, the customer will return to the scale counter to collect his or her shopping. The ticket contains all the information relating to the receipt just issued (date and time of issue, number or name of the operator, number of packages, amount and any bar code).

The default is "1" which corresponds to taloon disabled. By setting "2" as value, the taloon is enabled.

Wait

Indicates the number of seconds to wait between the receipt and the taloon printing. It is also used to indicate the seconds to wait between printing the receipt and the various family barcodes.

List [n]

The number of items in each list depends on the memory capacity. For each of the lists involved, here you can specify the number of the element to be associated with the article in question.

Position Row Description

Position Metric Row

Frosting Line Position

Discount Line Position

In receipt operation it is possible to establish the printing order of the lines making up the transaction. The allowed value for each field is between 1 (which means that the line will be printed first) and 4 (which means that the line will be printed last after the other three). By pressing the "**F4**" you will get a printout of the counter information.

Since large amounts of data are printed, all printing functions require the use of a continuous thermal paper roll.

OPERATOR INFORMATION

The information for the operator uses those fields that will characterize the operation of a particular operator.

Most of the programming are the same as those present in the desk and in the articles and have the same meaning, therefore refer to the relative paragraphs. The succession of menu items is presented below.

PROGRAMMING

Operator No.

Operation

Text

The operator is indicated by default with its identification number.

Position the cursor on the "text" field, press the "**ENTER**". And, using the alphanumeric keyboard, enter an identification text as desired (for example the name of the operator); by pressing the "ESC" key you leave the text programming window.

Pointer Format Description Pointer

Format Receipt Opening Format

pointer Closing Receipt Logo

pointer

Taloon

Wait

Operator

Using the "HELP" function ("shift" and "**F1**") it is possible to enable or disable the use of the operator by choosing between the two choices "ON" and "OFF".

Operator key

While the first 10 operators have a dedicated keyboard, when enabling operators 11 to 30 it is necessary to dedicate a PLU key to each new operator.

After positioning the cursor on the "operator key" field, press the PLU key that you want to associate with the operator.

By pressing the "**F4**" you will get a printout of the operator information.

Since large amounts of data are printed, the print function requires the use of a continuous thermal paper roll.

LIST OF TEXTS

To supplement or replace the product description, to introduce texts, warnings, promotional phrases or any other type of multiline text, seven text list archives are available which can be linked to the memorized articles.

The only specialized list is "List5" which is normally reserved for traceability, if the lots are enabled, each line is accompanied by a self-explanatory comment.

The list archive is compiled using the article recall keyboard which shows the letters of the alphabet and the main graphic symbols; if the character to be entered is not present in the keyboard, press the "HELP" key (shift**F1**) and set the ASCII code of the desired character. The sequence of the list management menus is as follows:

PROGRAMMING

List

Allowed values: from 1 to 7

By pressing the "**F4**" you will get a printout of the relevant list.

Since large amounts of data are printed, the print function requires the use of a continuous thermal paper roll.

ENTERING TEXT BY BATCH

Usable in the "Lotto" mode.

By entering a lot number (maximum 8 numeric characters) the scale searches for this lot number in the data of all the existing elements of List5. If the lot number exists, the element of List5 will be opened for any modifications; if the batch number does not exist, the first free item will be opened as a new item.

In practice, the programming mask of List5 is opened, but using the lot number and not the element code number as the search criterion.

DELETING TEXT FOR BATCH

Usable in the "Lotto" mode. Allows the deletion of data relating to a batch. By entering a lot number (8 numeric characters) the scale searches for this lot number in the data of all the existing elements of List5. If the lot number exists, the operator will be asked to confirm the cancellation request by pressing the "**ENTER**" (Pressing the "C" key cancels the operation); the cancellation is carried out by signaling "SYSTEM MESSAGE the record has been stored". If the lot number does not exist, the display will be cleared by placing the cursor back at the beginning of the clearing menu.

In practice, the programming mask of List5 is opened, the cancellation is requested with the "F2" key but using the lot number and not the element code number as the search criterion.

PRESS

List

All the elements belonging to the selected list will be printed.

Since large amounts of data are printed, the print function requires the use of a continuous thermal paper roll.

SHORT TEXT LISTS

Short texts are an archive of 50 one-line sentences to be inserted in various formats.

The operating modes are the same as already described for the other text lists.

PROGRAMMING

Short text

DATE AND TIME

The scale is equipped with a clock for updating the date and time.

The introduction or updating of date and time, the choice of format are carried out as follows:

PROGRAMMING

Year

Month

Day

Now

Minutes

ADVERTISING SEQUENCE

The scale is equipped with the possibility of creating an advertising sequence in the lower half of its display. This sequence consists of a succession of "frames": for each frame it is specified which advertising format to use, its time spent on the screen and the next frame that will be displayed. By doing so, a succession of images is planned which then creates a "movie". It is possible to prepare several movies, that is, several sequences.

Each advertising sequence is interrupted by pressing a key or by weighing while it cannot be activated if the scale is used in "PREPACKING" mode.

The advertising sequence is initiated and managed as follows:

BASIC PROGRAMMING

First picture

Indicates the starting screen of the sequence; setting 0 (zero) the advertising sequence is disabled.

Paintings in sequence

By setting **1** the sequence, after an interruption, will always restart from the first frame (sequence not activated); setting **2** the sequence will instead resume from the next frame to the one present at the moment of the interruption (activated sequence).

The indications of the permitted values for this field are available using the "HELP" function ("shift" and "F1").

PANEL PROGRAMMING

Advertising format

Indicate which advertising format to use for this painting. *List*

Indicates the element code number of List6 from which to take the texts to be presented in the panel *Image pointer*

Indicates the image to be presented in the painting *Text mode*

The allowed values for this field are 0 and 1.

By setting **0** only bulleted text is used; setting **1** after the bulleted text, all subsequent texts up to the first unused text will be used. This allows multiple texts to appear in sequence without changing any frame.

Picture mode

The allowed values for this field are 0 and 1.

By setting **0** only the bulleted image is used; setting **1** all subsequent images up to the first unused image number will be used after the bulleted image. This allows multiple images to appear in sequence without changing any frames.

Frame persistence time

Indicates the time the panel remains on the display. *Next picture*

Indicates the next frame in the sequence.

PRESS

The basic programming of the advertising sequence and information regarding all the programmed panels will be printed.

Since large amounts of data are printed, the print function requires the use of a continuous thermal paper roll.

DRAWINGS

The scales can host drawings that can be used in various print and display formats.

The drawings must be prepared with any graphic program capable of creating black and white images such as Windows Bitmap (BMP) or PaintBrush (PCX).

The maximum size of each image is 105 pixels high and 320 pixels wide. These drawings will then be sent to the scale through the specific program.

PRESS

Using this option you will obtain a printout of all the drawings present in the scale.

Since large amounts of data are printed, the print function requires the use of a continuous thermal paper roll.

CANCELLATION

The deletion of drawings menu deletes all the drawings in the scale, including the sample ones present by default.

After placing the cursor on the "delete" item:

- access the deletion menu by pressing the "**ENTER**"
- confirm your choice by pressing the "**ENTER**" Or abort the operation by pressing the "C" key
- enter the password "909090"

HOT CHANGES

With hot variations, the data relating to the stored articles or to the text lists are transmitted directly to all the scales belonging to the same bench at the same time as they are stored.

This menu is therefore only available on scales configured as "MASTER".

The fields available are the same as for the programming of the articles and, consequently, we proceed in the same way as for the programming of the articles.

ARTICLES

CHANGE

Refer to the "Archives - Article Information - Programming" menu)

FAST CHANGE

Refer to the "Archives - Article Information - Quick Programming" menu)

LIST OF TEXTS

Refer to the "Archives - Text Lists - Programming" menu)

TOTAL

Each transaction carried out during the weighing operations is recorded and accumulated in the registers of the totals until the execution of the zeroing program; if the "master" scale is connected to the concentrator, the total information is transferred to the concentrator when each ticket is closed.

The management of the printing of the totals is divided into the following types of totals:

ARTICLES

For each item handled, the description, the total amount, the weight, the discounts, the number of packs made are printed. If there is a continuous roll of paper in the printer, the printout is produced automatically; if, on the other hand, a roll of labels is used, it is necessary to select which type of roll to use for the printouts of the totals.

Continuous roll

By choosing continuous roll printing and pressing the "**ENTER**" All the items handled are listed.

Roll of labels

By choosing the printing on labels, the operator must set the number of the item for which the total is desired and press "**ENTER**" to confirm.

GRAND TOTAL

It is the overall total of all the items handled; the amount, discount, any returns and cancellations, total weight and number of product receipts are specified.

If there is a continuous roll of paper in the printer, the printout is produced automatically; if, on the other hand, a roll of labels is used, it is necessary to select which type of roll to use for the printouts of the totals.

Continuous roll
Roll of labels

STATISTICS BY TIME BANDS

The totals accumulated up to the moment of the request for this printout are divided into time bands; for each hourly range the number of packages and amount are specified in order to have in detail the quantity of work developed during the different periods of the day.

Since large amounts of data can be printed, the print function requires the use of a continuous thermal paper roll.

FAMILIES

The totals accumulated up to the time of the request for this print are divided into product families; for each family moved, weight, amount and any discounts are specified. Since large amounts of data can be printed, the print function requires the use of a continuous thermal paper roll.

OPERATORS

The sales data of each operator who has carried out sales operations is printed.

For each operator, the amount, any discounts, returns and reversals and the number of reversals made, the number of receipts produced are specified.

Since large amounts of data can be printed, the print function requires the use of a continuous thermal paper roll.

LOTS

For each item handled, the amount, weight and number of packages carried out for each lot associated with that item during the sales operations are specified.

Since large amounts of data can be printed, the print function requires the use of a continuous thermal paper roll.

INVENTORY

The report of all the various inventory operations carried out is printed.

This printout is not available if the master scale is connected to the concentrator. The data present are deleted when the totals are reset

RESET

This operation resets all total values to zero.

To carry out this operation, press the "**ENTER**" To the request for confirmation to reset the totals; by pressing the "**ESC**" or any other key, the operation is canceled by returning to the general menu of the totals.

ATTENTION: pressing "**ENTER**" Only the totals are reset, without any printout; before carrying out the reset operation, proceed to any printouts of the totals.

FORMATS

All the information produced by the scales on the display and on the receipt are programmable.

So labels, receipts, messages on the viewers (regarding transactions, totals, advertising) can be customized by creating "formats".

Formats define the characteristics of presentation of information on paper or screen; the formats therefore determine which information will be printed or displayed and in which way.

Each format is characterized by its dimensions and a sequence of fields: each field is nothing more than a portion, a label or screen area that can be represented as a rectangle that will contain certain information (e.g. tare, amount, first description line merchandise etc.). Each format can consist of up to 99 fields.

It is also possible to insert logotypes and / or images in the various formats that will graphically complete receipts, labels, screen displays; each image may be common to the whole counter, to some product families or dedicated only to one item.

To define each field you need to specify:

- "what" to place in that field, ie what kind of information the field will contain
- "where" to place the field, ie its position within that given format
- "how" to place that type of information, that is, with what graphic modalities.

To specify "what" to place in that field we will use: *Nature Field, Pointer Field, Element Pointer, Element Row.*

To specify "where" to place the field we will use: *Number of Characters, Column, Row.*

To specify "how" to place that type of information we will use: *Font Type, Bottom, Alignment, Orientation, Horizontal Expansion, Vertical Expansion.*

The construction of the formats can take place by means of numerical values for each of the parameters that characterize each field present in a format.

GRAPHIC PRESENTATION

In addition to the traditional insertion of numeric data, it is possible to program each field "graphically" (this option is not supported in the programming of receipt formats.).

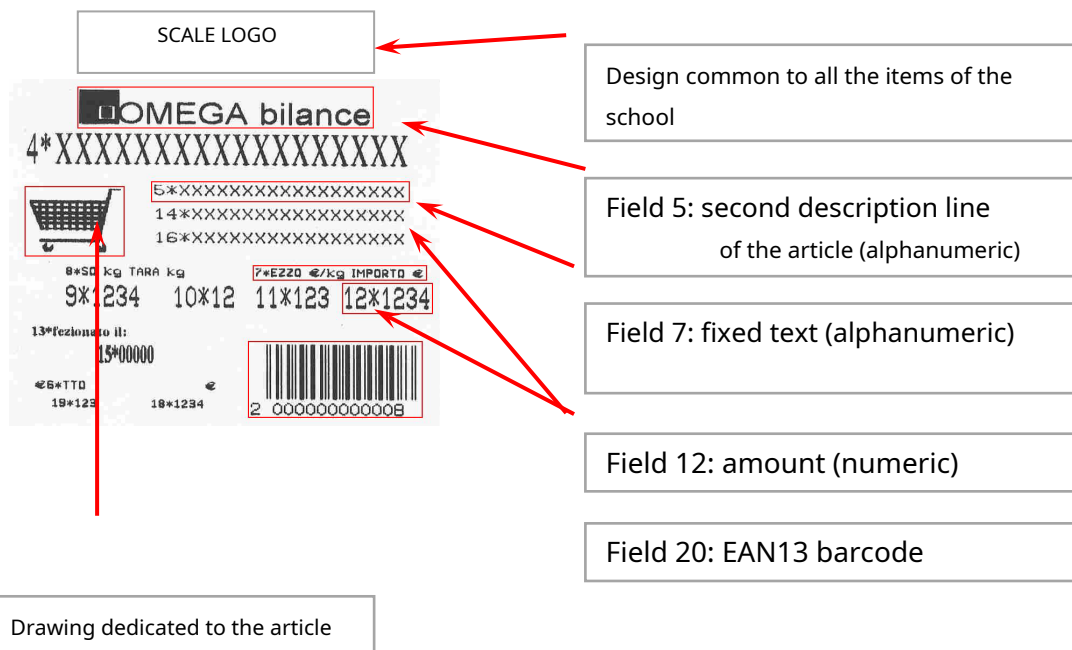
By pressing the "**F4**" you will get a print proof: all the programmed fields will be printed on the receipt or label to give an example of the resulting label (or receipt).

By pressing the "**F3**" the format being programmed is displayed on the scale screen, thus giving the operator the real presentation of what is being done with these characteristics:

- each field (excluding images) has its own number at the beginning
- alphanumeric fields are represented by a series of "X" characters
- numeric fields are represented with a series of numbers

In this phase, that is, after pressing the "**F3**", some keys have the following functions:

Key	Function	Description
2	-	field shift down (fine adjustment)
3 - shift 3	Page-	scroll the image down
4	-	field shift to the left (fine adjustment)
6	-	field shift to the right (fine adjustment)
8	-	field shift up (fine adjustment)
9 - shift 9	Page-	scrolling the image up
shift 2	-	field shift down
shift 4	-	shifting the field to the left
shift 6	-	shifting the field to the right
shift 8	-	shifting the field upwards
F1		vertical expansion (increase value)
F2		horizontal expansion (increase value)
+		change font (increase value)
-		change font (decrease value)
Plu	ESC	exit the current menu and return to the previous one



EXAMPLE OF TEST LABEL AND ON-SCREEN PRESENTATION

The following formats are provided:

- Label formats
- Receipt Opening Formats
- Receipt Closing Formats
- Formats Description Receipt
- PLU Display Formats
- Front panel formats
- Advertising formats
- Transaction / Total Display Formats
- Barcode Formats
- Acquisition formats EAN128
- Function Key Formats

LABELS FORMATS

There are already some pre-set formats, the most significant s or not:

Number	Function
1	Weight
2	Body
3	Weight discount
4	Body discount
5	Glazing

These formats can be used, edited or copied to other formats.

In the case of the VBA scale or in any case scales with industrial keyboard, the following formats are also present:

Number	Function
90	Subtotal
91	Grand total
ninety two	Great total

These formats can also be used, edited or copied to other formats.

In programming there are other formats that can in turn be used as an example.

PROGRAMMING

Programming a label format consists of the following items:

Number Format

Enter the number of the format to be programmed and press the "**ENTER**" to confirm

Height

Length

These are the dimensions in millimeters of the label to be printed; to switch from the value of "Height" to the value of "Width" press the "shift" "2" (-) and press the "**ENTER**" to confirm

Number field

Enter the number of the field to be programmed and press the "**ENTER**" to confirm.

By pressing the "+", and confirming the operation with the "**ENTER**", An empty field will be inserted in the format; any other fields present will be automatically increased by one position.

By pressing the "-", and confirming the operation with the **"ENTER"**, The field in question will be deleted; any other fields present will be automatically decreased by one position.

Nature Field

Establishes the kind (nature) of the field being programmed; the expected values are:

Nature Field	
1	NONE (not used)
3	Alphanumeric field
5	Barcode EAN 8
6	Barcode EAN 13
15	Drawing

Field pointer

Once it has been defined that the field can be a barcode, a text or a drawing (nature of the field), it will also be necessary to define what will be printed in the field itself (the weight, a product description, a row of ingredients, the amount, etc.).

Here are some example values:

Value	Contents of the Field
223	Banco Bar Code
222	Family Bar Code
84	PLU Expiry Date
303	Bench design
302	Family design
300	Generic Drawing
301	PLU drawing
316	Lot
370	Lot: Macro Description Lots
427	Batch: Lots Print Format Recall
100	Libra number
340	Bank number
350	Family Number
101	Operator number
186	Partial Total Number
81	Hour - Minutes
10	Symbol Kg
106	Tare (kg) Transaction
369	Short Texts
360	Fixed Texts
94	Banco text
93	Family text
91	Generic text
95	Operator Text
ninety two	PLU text

Pointers are constantly changing; when a new function is added to the scale, a new pointer is then created to print the new information; therefore refer to the pointers on the scale. To have a printout of the pointers on the scale:

- place the cursor on the "field pointer" field
- use the "Help" function ("help" "shift" and "F1" keys simultaneously)
- By pressing the "F4" You will get a printout of the operator information; large amounts of data are printed, the print function requires the use of a continuous thermal paper roll.

Some clarifications need to be made.

The "*Field pointer*" relating to the Text Lists (of the Bank, of the Families, of the PLU, of the Operator) indicates where to find the pointer to the segment (and that is among the information respectively of the Bank, of the Family, of the PLU, of the Operator); texts to use (List1, List2, etc.) is instead indicated in "*Pelement element*".

Item pointer (archive number)

Indicates which archive to use if the field pointer indicates the text lists:

- 1 List1 (header list)
- 2 List2 (ingredients list)
- 3 List3 (deadline list)
- 4 List4 (list LI1)
- 5 List5 (batch list-LI2)
- 6 List6 (list LI3)
- 7 List7 (recipe list)

Which element to point to within the list is indicated in the PLU.

If the field is an expiration date, the field pointer has a default value of zero to indicate the first expiration date (date 2) while setting as a value 1 the field will use the second expiration date (date 3).

Row Element

As mentioned, among the information of the Bank or the Family or the PLU or the Operator it is possible to find which record of the specified file contains the searched text.

If the record contains multiple lines with "*Row Element*" is specified which of the rows is the one concerned.

If, however, more lines are to be taken from the record in question and it is decided that they are printed with the same characteristics, the parameter "*Row Element*" offers a further opportunity, called "multiple field". In this case, having defined the first field for the first row with its characteristics, a second field can be defined, whose parameters only need to be specified "*Line*" And "*Column*" being the others the same as the previous one, which has as "*Row Element*" 5XX, where XX has a maximum value of 28 and indicates how many lines must be printed by taking them in succession from the record from which the first was taken. It is evident that all the printed lines will have the same characteristics and will be spaced by the same line spacing between the first line of the "repeating field" and the previous one.

There are also two other uses of the "Element Line" parameter.

If the field is a fixed text, the element line indicates the number of the fixed text to be printed

If the field is a date, the item row changes how the year is printed. By assigning the value 0 the year will be written with two digits (99, 00, 01 etc.); setting a value of 1, the year will be written with 4 digits (1999, 2000, 2001 etc.).

Number of characters

Indicates how many characters will be printed in the field at most; in the case of a barcode it indicates the number of digits to be printed.

Column

It is the distance between the left edge of the label and the top left vertex of the field. The value must be expressed in tenths of a millimeter.

Line

It is the distance between the top edge of the label and the top left corner of the field. The value must be expressed in tenths of a millimeter.

Character Type

Indicates the type (font) of character with which the characters in the field will be written. The allowed values are:

Guy Character	Description	Features
00	Little Prop	height 15, proportional
01	Little Fix	height 18, monospaced 16
02	Medium	height 30, proportional (monospaced digits 16)
03	Italic	italic, height 23, proportional (monospaced digits 12)
04	Bold	bold, height 23, proportional (monospaced digits 16)
05	Little	microcharacter, height 17, proportional (monospaced digits 9)
07	Micro	height 15, monospaced 9
08	Numeric Only	very large characters only for numeric fields
09	Fix_2	bold, height 13, monospaced 8
10	Fix_3	height 13, monospaced 8
11	Thousand	height 13, monospaced 6
12	Milli Bold	height 15, monospaced 7
13	Micro_Esp	character for VBA
14	Medium_Esp	character for VBA
15	Narrow_Esp	character for VBA
16	Big_Esp	character for VBA
17	High_Esp	character for VBA
250	Barcode	to be used for barcode printing only

Fund

A field can also be printed on a black background; in this case the fund must be selected in "reverse" mode.

The values to make this choice the allowed values are:

Fund	
0	Normal
1	Reverse

Alignment

Within each field the characters can be aligned to the right, left or centered margin. The values to make this choice the allowed values are:

Alignment	
0	Left
1	Centered
2	right

Orientation

The orientation value indicates in degrees which rotation the field must be subjected to in order to change the printing direction of the field with respect to the output direction of the printer; the values to make this choice the allowed values are:

Orientation	
0	0 degrees
1	90 degrees

2	180 degrees
3	270 degrees

Horizontal expansion

It allows you to expand horizontally the chosen character for the field and can have a value between 1 and 4. In the case of a Barcode field, it can have a value between 1 and 3, which respectively indicates the printing at normal, double and triples of the Barre Code itself.

Vertical Expansion

It allows you to vertically expand the chosen character for the field; it can have a value between 1 and 4. In case of a Barcode field it indicates the height of the bars up to a maximum of 400.

PRESS

A test label will be printed for each label format on the scale.

To allow the operator to pick up the printed label, it is necessary to press the "**ENTER**" To print the next label.

To stop printing, press the cancel key "C" or the "ESC" key.

COPY

It is possible to create a label format by copying an existing one and then making changes. It is also possible to make the copy starting from another type of compatible format (for example from a PLU display format).

Source Archive

Indicates from which format archive the data will be copied; the allowed values are:

Source Archive	
413	Label format
415	Front panel format
450	PLU display format
451	Advertising format

Destination archive

Indicates in which archive of formats the data will be copied; the allowed values are the same as in the "Source Archive" field.

Source code

Set the number of the chosen archive format you want to copy.

Destination Code

Set the format number to copy the data to.

Copying is done by pressing the "F1" key.

RECEIPT OPENING FORMATS

The printing of a receipt can be imagined divided into the following parts:

- "opening" area that precedes the transactions and can host the fields relating to lines of texts, graphics, etc.
- area of the metric transaction that contains the non-modifiable metric data (net weight, price per kg, amount and possibly tare) relating to each transaction carried out in the receipt
- area of the "Merchandise Description" which will host the lines provided in the appropriate format

- "Closing" area in which the fields relating to the total amount, barcode, one or more lines of the various texts available, logo, date, etc. will be present.
Each of this area will be printed as programmed in the relative format.

The operating modes, the meaning of the parameters and the organization of the programming menus reflect those already described in the paragraph dedicated to label formats; the only difference is the lack of row coordinates as it is not possible to coexist two rows side by side. Therefore, only the succession of items to be filled in and any differences with respect to the label format will be listed below.

PROGRAMMING

Number Format

Number field

Nature Field

Field pointer

Element pointer

Row Element

Number of characters

Column

Character Type

Fund

Property

The "properties" field defines how each field is printed; the allowed values are:

Property	
0	White
1	Grey
2	Black

The meaning of the property varies according to the type of field.

An alphanumeric field with property 0, white field, will not be printed if empty, allowing the reduction of the length of the receipt; with property 1, gray field, it allows the next field to be printed alongside on the same line; with property 2, black field, it will always be printed by itself leaving the space blank in case of an empty field. If the field is a barcode or a drawing, the property 0 will indicate that one or more alphanumeric fields can be placed side by side; with property 1 the field will be printed alone and the other fields in succession.

Alignment

Horizontal expansion

Vertical Expansion

COPY

It is possible to create a receipt opening format by copying an existing one and then making changes. It is also possible to make the copy starting from another type of compatible format (for example from a transaction view format). Copying is done by pressing the "F1" key.

Source Archive

Indicates from which format archive the data will be copied; the allowed values are:

Source Archive	
422	Format Description Receipt
423	Receipt Opening Format

424	Receipt Closing Format
420	Transaction Display Format

Destination archive

Indicates in which archive of formats the data will be copied; the allowed values are the same as in the "Source Archive" field.

Source code

Set the number of the chosen archive format you want to copy.

Destination Code

Set the format number to copy the data to.

RECEIPT CLOSING FORMATS

The receipt closing area is printed after the transactions and contains the total amount of the receipt and, as a rule, the barcode, the fields relating to one or more lines of the various texts available, a graphic image, etc. The operating modes, the meaning of the parameters and the organization of the programming menus exactly reflect those already described in the paragraph dedicated to ticket opening formats. The exception is *Field pointer* **427**. It is activated only in the presence of lots, in this case it recalls the closing format pointed to by for each lot handled *Row Element*

PROGRAMMING

Number Format

Number field

Nature Field

Field pointer

Element pointer

Row Element

Number of characters

Column

Character Type

Fund

Property

Alignment

Horizontal expansion

Vertical Expansion

COPY

The operating modes, the meaning of the parameters and the organization of the copy menu reflect those already described in the paragraph dedicated to receipt opening formats.

Source Archive

Destination archive

Source code

Destination Code

FORMATS DESCRIPTION OF RECEIPT

To characterize the receipt as desired, the product description of each item can be printed using different print formats.

The operating modes, the meaning of the parameters and the organization of the programming menus exactly reflect those already described in the paragraph dedicated to ticket opening formats.

PROGRAMMING

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Number Format
Number field
Nature Field
Field pointer
Element pointer
Row Element
Number of characters
Column
Character Type
Fund
Property
Alignment
Horizontal expansion
Vertical Expansion

COPY

The operating modes, the meaning of the parameters and the organization of the copy menu reflect those already described in the paragraph dedicated to receipt opening formats.

Source Archive
Destination archive
Source code
Destination Code

PLU DISPLAY FORMATS

When the operator selects an item, the product description is displayed on the displays (operator and customer) of the scale. This display can be customized by changing the PLU display format.

The operating modes, the meaning of the parameters and the organization of the programming menus reflect those already described in the paragraph dedicated to label formats; then only the succession of items to be filled in and any differences with respect to the label format will be listed below.

PROGRAMMING

Number Format
Height
Length
Number field
Nature Field
Field pointer
Element pointer
Row Element
Number of characters
Column
Line
Character Type
Fund
Alignment
Orientation
Horizontal expansion
Vertical Expansion

COPY

The operating modes, the meaning of the parameters and the organization of the copy menu reflect those already described in the paragraph dedicated to label formats.

Source Archive

Destination archive

Source code

Destination Code

FRONT PANEL FORMAT

The operating modes, the meaning of the parameters and the organization of the programming menus reflect those already described in the paragraph dedicated to label formats.

Therefore, only the succession of items to be filled in and any differences with respect to the label format will be listed below.

PROGRAMMING

Number Format

Number field

Nature Field

Field pointer

Element pointer

Row Element

Number of characters

Column

Line

Character Type

Fund

Alignment

Orientation

Horizontal expansion

Vertical Expansion

COPY

The operating modes, the meaning of the parameters and the organization of the copy menu reflect those already described in the paragraph dedicated to label formats.

Source Archive

Destination archive

Source code

Destination Code

ADVERTISING FORMAT

The advertising format is a format used to construct the paintings which, presented in succession, constitute an ADVERTISING SEQUENCE. The operating modes, the meaning of the parameters and the organization of the programming menus reflect those already described in the paragraph dedicated to the display formats of the PLUs; then only the succession of items to be filled in and any differences with respect to the label format will be listed below.

PROGRAMMING

Number Format

Number field

Nature Field
Field pointer
Element pointer
Row Element
Number of characters
Column
Line
Character Type
Fund
Alignment
Orientation
Horizontal expansion
Vertical Expansion

Displacement per unit of time

Expresses in 1/10 of mm. how far the field in question must move.

Movement direction

It expresses in which direction the displacement takes place: if = 0 upwards, if = 1 to the right, if = 2 downwards, if = 3 to the left.

Time base for movement

It expresses the time after which the movement takes place.

TRANSACTION / TOTAL DISPLAY FORMATS

When a transaction is carried out or the total of a receipt is requested, the number or name of the operator, the number of packages and the progressive total of the expense are displayed on the screens (operator and customer) of the scale. These views can be customized by changing the format transaction and total display.

Two formats are available: the first manages the display of transactions, the second the display of the total of receipts. In case of cancellation, the two formats will be automatically recompiled with the default values guaranteeing the functionality of the scale.

The operating modes, the meaning of the parameters and the organization of the programming menus reflect those already described in the paragraph dedicated to label formats; then only the succession of items to be filled in and any differences with respect to the label format will be listed below.

PROGRAMMING

Number Format
Height
Length
Number field
Nature Field
Field pointer
Element pointer
Row Element
Number of characters
Column
Line
Character Type

Fund
Alignment
Orientation
Horizontal expansion
Vertical Expansion

BAR CODE FORMATS

The barcode can be completely programmed to give each digit of the code a meaning corresponding to the needs.

PROGRAMMING

Number Format

Barcode type

To select the type of barcode use the "HELP" function ("HELP", "shift" and "F1" keys).

Barcode type	
5	EAN barcode 8
6	EAN barcode 13
7	Barcode EAN 128
8	PDF Code 417 (pre-established format, not editable)

Number of characters

The EAN8 code consists of 8 digits and the last one, the check digit, is always calculated automatically by the scale. The value to be set must therefore be 7.

The EAN13 code consists of 13 digits and the last one, the check digit, is always calculated automatically by the scale. The value to be set must therefore be 12.

The EAN 128 code has a variable length.

Field pointer

The field pointer defines the meaning of the digit being programmed.

Programming starts from the first digit on the left which is indicated with # 1.

Here are some example values:

Field pointer	
212	Intermediate check digit for EAN13
221	Barcode PLU
35	Total Net Amount
195	Customer number / receipt
350	Family Number
204	Fixed number
103	Net Transaction Weight
51	Total packs
240	Lot (EAN 128 for traceability)
241	Born in: (EAN128 for traceability)

Pointers are constantly changing; when a new function is added to the scale, a new pointer is then created to print the new information; therefore refer to the pointers on the scale. To have a printout of the pointers on the scale:

- place the cursor on the "field pointer" field
- use the "Help" function ("help" "shift" and "F1" keys simultaneously)

- By pressing the "**F4**" You will get a printout of operator information; as large amounts of data are printed, the print function requires the use of a continuous thermal paper roll.

Column

In case of a fixed number, it represents the value of the number itself.

In other cases, the following example applies. You want to enter 5 digits of the total amount of a receipt in the barcode; the first digit (the most significant) will have 35 as pointer and 4 as column, the second digit 35 and 3 up to the fifth (least significant) digit which will still have 35 as pointer but 0 as column.

PRESS

The characteristics of all the formats present will be printed: type, number of characters, pointer and field value of each digit.

COPY

It is possible to create a barcode format by copying an existing one and then making changes; the copy is made by pressing the "F1" key.

Source code

Set the number of the chosen archive format you want to copy.

Destination Code

Set the format number to copy the data to.

FUNCTION KEY FORMATS

The function keys are used by the operator to initiate procedures that contain sequences of complex operations (work or programming). For example, it is possible to open and manage the item programming mask or recall a specific tare by pressing a single key
 The sequence of operations (or MACRO) can be recalled in 2 ways:

using the keys **F.x**

using the keys used for the quick recall of the PLUs.

A maximum of **40** macro-functions and to start their recall directly you can use specific keys made available on the scale.

Their recall and use can be distributed as follows:

the first four macro functions can be directly associated with the keys **F1, F2, F3, F4** (it is recommended to use them for the most frequent operations)

the subsequent macro-functions, ie from 5 to 8, are started by preceding the key **SHIFT** to the same keys enabled to host the first 4, that is: **SHIFT + F1, SHIFT + F2**, etc.)

the remaining 32 macro-functions available can be associated with the recall keys of the fast plu by always preceding the use of the key **SHIFT** to the button **Fast PLU** which identifies the function (Ex. **SHIFT + PLU 30** corresponds to function format 30).

An additional macro-function is available which is activated only when switched on automatically without using any key on the scale. **To activate the procedure, the number zero function key format must be programmed.**

The function keys are "PROTECTED" by default and can therefore only be activated using the programming key in the "Operator Utility" position; to make them operational without using the key (thus leaving the key vertical, the working position), consult the item "Configuration - Various Settings - Function key formats".

A third possibility is made available: that of directly disabling, through specific programming, only some of the desired macro functions among those available.

Legend of the editing keys

F1	: save the format:
F2	delete the format:
F4	print the format
'+'	: inserts a new program line: a
'-'	program line is deleted: the contents
"Ins"	of the clipboard are inserted

The elimination, the insertion of a line or of the clipboard will generate the update of the jumps ensuring the correct flow control of the procedure.

CLIPBOARD

The clipboard is a special format containing a sequence not associated with any key, it is created using the **"REGISTER KEYS"** by indicating '+' when the function key is requested. Once registered, the sequence can be entered, in programming, in another function format using the key **"Ins"**.

PROGRAMMING

The programming of a function key is performed by describing the sequence of keys necessary to perform the chosen function. In practice, carry out the operation by marking all the keys that are pressed to do it. In this phase it is possible to modify or insert a function previously stored with "REGISTER KEYS".

By pressing the "**F4**" You will get the information about the function key printed; as large amounts of data are printed, the print function requires the use of a roll of continuous thermal paper.

Key

When the cursor is positioned under "Key", with the "Help" function ("help", "shift" and "F1" keys simultaneously) select the key to simulate. It is also possible to establish conditions for carrying out different operations with the same key based on the configuration of the scale (if master scale ..., if slave scale ...) or based on certain conditions (if paper ..., if label ...)

Num. Characters

Indicates how many times the selected key must be pressed or a possible jump.

REGISTER KEYS

It is possible to register the key sequence necessary to carry out the chosen operation by executing the operation once manually. Registration is carried out in the following ways:

- position the cursor under "Register Keys" and press the "key to confirm" **ENTER**
- the message "SYSTEM MESSAGE Waiting function key" asks the operator to press the function key (F1, F2, shift-F1, etc.) to which to assign the key sequence (and therefore the function)
- after pressing the chosen function key, a "SYSTEM MESSAGE" is used describing the possible options
- to cancel the operation, press the "C" or "ESC" key
- to continue, turn the key to the vertical position (working position 0); at this point the scale begins to record all the keys that will be pressed and the relative positions of the programming key
- perform the chosen operation
- at the end of the operation (for example the item programming menu has been opened) press "shift" and **ENTER** (Or "shift" and "print" for AS model scales) to store the sequence
- In case the function key is formed by shift-PLUx, it is asked whether to continue (key **ENTER**) or terminate (key **C**). When these macros are enabled, they allow the operator to enter values at the points where they continued.

In all cases it is possible, after having registered it, to modify the sequence assigned to a function key using the programming menu.

PRESS

The information relating to all the function keys is printed; Because large amounts of data are printed, the print function requires the use of a continuous thermal paper roll.

CONFIGURATION (fourth click on the right)

The configuration of the scale is allowed to the user in possession of the "P" key being positioned in correspondence with the fourth click on the right.

The configurations modify the functioning modes of the scale and are available through the following menu items:

- Various settings
- Subdivisions
- Events (calibration)
- Printer
- DB configuration
- Networks configuration
- UDP configuration
- ECR configuration
- Protections

MISCELLANEOUS SETTINGS

LANGUAGE

The selection of the desired language is made through the "Help" function by pressing the "shift" and "F1" keys.

The selectable languages are: Italian, German, French, Portuguese, Flemish, English.

GLAZING

The glazing function allows the calculation of glazing data. In the pre-packaging modalities the weight and the price are understood to be relative to the drained net price while in all the other modalities the weight and the price are understood to be relative to the net weight. To enable the glazing, use the "Help" function by pressing the "shift" and "F1" keys; then choose "ON" to enable the icing calculation and "OFF" to disable it.

TARE

The net weight is always printed on the receipts of the scale; however, it is also possible to print the tare applied to each transaction using the "Help" function; by choosing "ON" the tare printing of each transaction will be enabled while by choosing "OFF" the tare will not be specified.

The tare is signaled with the wording "TARE" if the operator has detected the tare with a weigh; the wording "TARE PT" instead indicates the predetermined tare (stored in the selected article or set manually by the operator).

BATCH MANAGEMENT

It is possible to combine the article with a lot number to define the traceability of the product, i.e. the origin of the article itself.

With the "Help" function ("Help", "shift" and "F1" keys) choose between the available modes: "Disabled", "AUTOMATIC", "LOT," LOT / LIST ", LOT / LIST VIEW:", "LIST", "LIST / DATE", "LOTS ENTRY". **Attention if you use the batch input, read the paragraph relating to its configuration.**

PLU KEY

It is possible to recall the memorized articles using alternatively the 3-digit code number (PLU number) or the extended 6-digit code present in each article.

To choose which code to use, use the "Help" function by pressing the "shift" and "F1" keys; then choose "SHORT CODE" or "EXTENDED CODE".

ARTICLE ZERO

Enabling article zero allows the operator to weigh by setting the price per kilo for each transaction. With article zero disabled it will be possible to carry out transactions only by recalling the memorized articles.

To enable the management of article zero, use the "Help" function ("Help") by pressing the "shift" and "F1" keys; then choose "ON" to be able to use article zero and "OFF" to prohibit its use.

IMMEDIATE AMOUNT

The setting of the price per kilogram is carried out directly in the "PRICE € / kg" viewer and therefore does not require confirmation of the "ENTER"; the transaction is then carried out by pressing an operator key or the "Single Ticket" key.

To enable immediate setting of the amount, use the "Help" function by pressing the "shift" and "F1" keys; then choose "ON" to enable, the "OFF" function to prohibit its use.

EURO PHASES

The scale is able to manage the phases foreseen for the management of the Euro.

The stages are:

- Phase 0: single currency, national currency
- Phase 1 (from 1 January 1999): double currency, national currency prevailing, EURO as indicative currency. Enabling this phase, the simultaneous display of the price and amount in current national currency and Euro will be obtained.
- Phase 2 (from 1 January 2002): double currency: the main currency is the EURO, the national currency is the indicative currency. Enabling this phase, the simultaneous display of the price and amount in Euro and national currency will be obtained.
- Phase 3 (from 1 July 2002): single currency, the EURO.
-

The "pre-pack" operating mode does not provide for the on-screen management of the Euro phases, thus displaying the price and amount in the prevailing currency only (national currency in phases 0 and 1, Euro in phases 2 and 3).

TRANSACTION

During phases 1 and 2 the total amount of a receipt will be expressed in both currencies (prevalent and indicative). Transactions will by default only be expressed in the prevailing currency.

To change this configuration, use the "Help" function by pressing the "shift" and "F1" keys; then choose "Only I currency" to express transactions in the prevailing currency only and "With II currency" to indicate each single transaction of a receipt with both currencies.

EXCHANGE VALUE

It represents the conversion rate between the national currency and the Euro.

REST

To enable or disable the change giver calculation use the "Help" function by pressing the "shift" and "F1" keys; then choose "ON" to enable it and "OFF" to disable it.

OFF-LINE RECEIPTS

If the scale is connected in a system with concentrator, in case of lack of connection between the scale and the concentrator, the receipt recovery function cannot be completed. In that case it is possible

enable the scale to store the receipts that will be sent to the concentrator as soon as the connection is restored (up to 800 transactions will be hosted).

To enable or disable the receipt memory, use the "Help" function by pressing the "shift" and "F1" keys; then choose "ON" to enable it and "OFF" to disable it.

BARCODE

During phases 1 and 2 the barcode will show the amount expressed in the prevailing currency.

To change this configuration, use the "Help" function by pressing the "shift" and "F1" keys; then choose "Primary currency" to express the amount only in the prevailing currency while "Secondary currency" to print a bar code showing the amount in the indicative currency.

ECR PRINT

In case of connection to a fiscal recorder, it is possible to enable / disable the sending of the receipt data to the fiscal recorder. The configurations are:

NEVER	disable sending to ECR
ALWAYS	always enables sending to ECR
OPERATOR KEY 10	sending to the ECR is made if, after closing the receipt / label / single-ticket, the operator presses the "v10" key (ie operator 10) which therefore cannot be used as an operator key

To select one of the configurations, press the "Shift + F1" keys, select the desired one, press "ENTER" and finally save with "F1".

FUNCTION KEY FORMATS (MACRO)

The function keys are by default only functional with the key in "Operator Utility"; to make them operational without using the key (thus leaving the key vertically in the working position) use the "Help" function by pressing the "shift" and "F1" keys; then choose "ON" to enable them and "OFF" to disable them.

BARCODE RECEIPT

In the "traditional" operating mode, a barcode is printed on the receipt showing the department number. With this function, in the case of a receipt with a single transaction, a barcode is printed showing the item number (effectively making the receipt corresponding to a single ticket become).

Use the "Help" function by pressing the "shift" and "F1" keys; then choose "TRADITIONAL" to leave the scale in normal operation (print only the department bar code) and "PLU (1translation)" to print the article bar code in the case of single weighing.

POINT OF SALE CODE

Operation reserved for devices equipped with customized software for the acquisition of traceability data from a "smart card".

SUB-DIVISIONS

Check the weight system by displaying:

- at the top right the version of the converter
- the weight that will be displayed on the scale display expressed in kilograms with resolution per gram

- the weight calculated on the number of internal divisions expressed in kilograms (with resolution to the tenth of a gram)
- the number of internal divisions

EVENTS (calibration)

This menu is available to the metric inspectors. The dates corresponding to the calibration and calibration of the weight system carried out by authorized personnel are shown on the screen.

By pressing the "**F4**" the information on the screen will be printed.

PRINTER

You can make all printer adjustments including the type of thermal head installed (2 or 3 inch).

With the exception of the menu for choosing the thermal head adopted, all menus automatically perform a print to test the efficiency of the thermal head; any problems with the thermal head will be highlighted by printing white or black lines during the test. In this case, call the After-Sales Service as errors may occur in the barcode printing.

Paper advance

It represents how much the receipt must have advanced after the end of the printing of the last line of the receipt itself; this in order to facilitate the cutting of the receipt.

The default value is 20, and each number corresponds approximately to an advance of 2 millimeters.

Step (labels)

It is the regulation of the advancement of the label in order to facilitate the removal of the label itself. Each number corresponds approximately to an eighth of a millimeter advance.

To facilitate the determination of the required step value, the "Help" function ("HELP") is available. By pressing the "shift" and "F1" keys, a step value is automatically detected which will require at most small adjustments.

Intensity

The print intensity is adjusted by varying the intensity value, normally 5, from 1 to 9. By pressing the "**F4**" you will get the print of the contrast.

Inch Head

Set 2 or 3 inches according to the thermal head installed in the scale.

To position yourself on the fields to be modified, use the "-" and "+" keys (down arrow and up arrow), enter the data to be modified, confirm the entered data by pressing "**ENTER**" Or cancel the change by pressing "C". Press the "F1" key to store all the changes made or press "Esc" to exit the menu without storing.

DB CONFIGURATION

By selecting this item you access a display submenu structured as follows:

Number of operators: 30 (Number of operators that can be activated)
 Total transactions: 300 (Global number of transactions usable by operators)
 Operator transactions: 60 (Maximum number of transactions for a receipt)
 Receipt buffer: 0800 (Number of transactions available to retrieve receipts from HOST)

NETWORK CONFIGURATION

Each scale has its own numbering which serves to define the bench to which it belongs, the "master" or "slave" scale function, the connection modalities to the high scales and the processor, the connection to other external devices.

Access to the network configuration menu is possible by setting the password "808080".

Banco

Indicates the number of the scale bank.

Automatic Request

The automatic request is active only for the "slave" scales or the "master" scales of a system with concentrator; the request is made automatically when the device is switched on.

It is possible to select which information to request by pressing the shift + F1 (HELP) keys:

Automatic Request	
IT IS NOT	Request disabled
PLU	Request for all items present
VARIED PLU	Request only of the varied articles
AT YOUR CHOICE	Request for selected items

After selecting the "free choice" option, press the **"ENTER"** And it will be possible to select 10 different requests to be made at start-up. Each request (numbered as # 1, # 2, etc.) that you want to execute must be programmed as follows:

- place the cursor next to the request number
- press shift + F1 (HELP) keys
- with the arrow keys-And-select the type of information to be requested and press the **"ENTER"** to confirm
- with the **"ENTER"** It is now possible to move the cursor to program any subsequent request with the same methods already used

Libra number

Indicates the scale number of the bank.

The number of the "master" scale must always be 1; for the "slave" scales, on the other hand, the allowed values are from 2 to 12 for each bank to which they belong.

Libra IP address

It is the TCP / IP address that will identify the scale in the Ethernet network. This address is made up of four 3-digit numbers to respect the structure of the TCP / IP addresses (the values allowed for each triplet range from 0 to 254).

Master IP address

It is the TCP / IP address of the "master" scale of the bench. The "slave" scale will carry out all the operation and data request operations looking for its "master" at this address.

This address is made up of four 3-digit numbers to respect the structure of the TCP / IP addresses (the values allowed for each triplet range from 0 to 254).

Gateway

Enter the "gateway" TCP / IP address which respects the indications valid for the other IP addresses of the scale (four 3-digit numbers, values allowed for each triplet from 0 to 254). Default value "0.0.0.0".

Sub Mask

Enter the "sub net mask" TCP / IP address which respects the indications valid for the other IP addresses of the scale (four 3-digit numbers, values allowed for each triplet from 0 to 255). Default value "255.0.0.0".

Device Host

Select the type of interface to be used on the PC

Select with HELP (Shift + F1) between: TCP / IP for Ethernet RS232

systems

SCANNER NET7 connection to EAN barcode reader for
lots entrance

EAN connection to EAN barcode reader for recall
stored articles

BPS Host

Select the communication speed of the serial port (not used in case of TCP / IP host device).

Select with HELP (Shift + F1):

- 9600 bps
- 19200 bps
- 38400 bps
- 57600 bps
- 115200 bps

Host Protocol

Displays the type of line protocol used towards the PC, i.e.:

DIREC 1

Device Slave

Displays the type of connection between "master" and "slave"

Com2 device

Displays the type of connection to external devices

BPS Com2

Select the communication speed of the second serial port

Select with HELP (Shift + F1):

- 9600 bps
- 19200 bps
- 38400 bps
- 57600 bps
- 115200 bps

Com2 Protocol

Select the type of line protocol to be used with the second serial port Select with HELP (Shift + F1) between:

IT IS NOT	port not used
EAN	connection to EAN barcode reader
PDF 417	connection to PDF 417 barcode reader
ECR	connection to ECR Ditron

After modifying one or more fields, press the "F1" key to save the data or press "ESC" to leave the menu.

UDP CONFIGURATION

This configuration is used for connection to a PC that manages the "Eliminate code" function.

UDP port: 1 2 3 4 5 **Host**

IP: 192.168.1.1

Message1: ADVANCE

Message2: COME BACK

Message3: RESET

ECR CONFIGURATION

This configuration is used for connection to a Ditron ECR.

In this case it is possible to associate items of the scale to the departments of the ECR.

The article-department association occurs through the VAT field of the article.

The VAT found in the article is compared with the value present in the department-VAT association and, if the comparison is positive, at each transaction the amount and the department number (from 1 to 8) will be sent to the ECR. whose VAT corresponds to that present in the article.

If, on the other hand, the VAT in the item does not have a match in the table, the department number shipped is 9.

It is possible to exclude items so that their sale is never sent to the ECR in any way of working.

In this case, a family that has been excluded must be associated with the article.

1 Department - VAT%: -1

indicate the VAT percentage to be associated with department 1

2 Department - Vat%: -1	indicate the VAT percentage to be associated with department 2
3 Department - Vat%: -1	indicate the VAT percentage to be associated with department 3
4 Department - Vat%: -1	indicate the VAT percentage to be associated with department 4
5 Department - Vat%: -1	indicate the VAT percentage to be associated with department 5
6 Department - Vat%: -1	indicate the VAT percentage to be associated with department 6
7 Department - Vat%: -1	indicate the VAT percentage to be associated with department 7
8 Department - VAT%: -1	indicate the VAT percentage to be associated with department 8
Family excluded: -1	indicate the family number to be excluded
Family excluded: -1	indicate the family number to be excluded
Family excluded: -1	indicate the family number to be excluded
Family excluded: -1	indicate the family number to be excluded

To delete one or more associations, key in "99" at the relevant item and save by pressing the "F1" key.

PROTECTIONS

The functions called "protection" support the operator to avoid making procedural errors or to activate "particular" functions.

The operator, through the new menu points, will be able to establish:

- **the maximum amount allowed for each transaction:** to avoid typing errors, a check is made on every single transaction that the operator carries out; if the amount of the transaction is higher than the programmed limit, the warning "SYSTEM MESSAGE Maximum transaction amount" is displayed at the time of the transaction and the transaction will not be carried out; this value is active also used in the single ticket, "automatic", "pre-pack" operating modes.
- **the maximum amount for the receipt:** at each transaction a check is made on the total amount of each receipt; if the amount of the current transaction exceeds the programmed limit for the total amount of the receipt, the warning "SYSTEM MESSAGE Maximum receipt amount" is displayed and the transaction will not be carried out; this value is active only in the "traditional" operating mode.
- **the obligation of tare for all items on the counter:** the check is carried out on all the items in the counter to be sold by weight or if the operator sets a price per kilogram; if there is no tare, the warning "SYSTEM MESSAGE: Mandatory tare" is displayed at the time of the transaction and the transaction will not be carried out; this parameter is used in all operating modes of the scale.
- **Prepared (LAY)** used to identify the layout of the preparation (future use)
- **Head older than months:** it is used with batch entry, in case of entry with an age higher than the set one, the error is signaled. At this point the entry must be confirmed or canceled.
- **Screen Saver.** The set number, **which cannot be less than 30**, refers to the minutes of operation without operator intervention. The intervention of the screen saver occurs by switching off the backlight bulbs of the LCD display. They remain however

the metrological data is equally visible, even if with less contrast. Reactivation occurs by pressing a key or by moving the key or the weight if the scale is not in programming

- **LOT (Reset).** If this parameter is ON, the input or list number is initialized to zero at each request.
- **Repackaging deadline.** If this parameter is ON, the replacement expiration date is requested when the scale is enabled for repackaging.
- **Lots entry:** ON / OFF is used with batch input, it must be set to OFF only on the input scale.
- **ENTRANCE-LOTS (LISTS): xxx**
In this way it is possible to select how many lists to use for batch input.

The possibilities are: xxx = 99-999-999F.

That is 99 dynamic lists, or 999 dynamic lists, or 999F fixed lists.

Note: In order to avoid totalization errors, it is not recommended to use fixed lists where use the sleeves lists previously.

- **Password** -Once set, it limits entry to programming and printing of totals.
- **TX: Key combination**-If ON, the key table, received from HOST, is automatically sent to the SLAVES as a hot change.

To activate the functions whose parameter is ON or OFF, proceed as follows:

- using the arrow - (key 2) position the cursor on the item to be modified
- when the cursor is positioned on the field, use the help function (press the keys at the same times *shift* And *f1*)
- use the arrow keys - (key 2) and arrow - (key 8) to choose OFF to disable the function or ON to enable it
- confirm the choice by pressing the "ENTER"
- **Confirm sending total ECR: OFF**
With the default setting (OFF) the scale will send the sale directly to the ECR. Otherwise (ON) it will ask for confirmation by pressing "ENTER" before sending.

Store all the choices made by pressing the key *f1*, in order not to memorize, put the programming key back in the working position (vertical position).

CONFIGURATION FOR LOTS INPUTS

Configuration of the scale for the input

1 - Activation of batch mode

With the "key" in **"Configuration"** to select **"Various settings "**;

In "Various settings" activate the item **"Lots entry "** to the line **"Batch management "**.

2 - Activation of the inputs protocol

With the "key" in **"Configuration"** to select **"Network configuration "**;

In "Network configuration" activate in **"Automatic / Various Request "** the voice **"Lots entry "** 3 -

Deactivation of the reception of inputs and lists

With the "key" in **"Configuration"** to select **"Protections "**;

In "Protections" disable the item by putting it to OFF **"Lots entry "**.

Configuration of scales for sale

1 - Activation of batch mode

With the "key" in **"Configuration"** to select **"Various settings "**;

In "Various settings" activate the item **"Lots entry "** to the line **"Batch management "**.

2 - Activation of the inputs protocol

With the "key" in **"Configuration"** to select **"Network configuration "**;

In "Network configuration" activate in **"Automatic / Various Request "** the voice **"Lots entry "** 3 -

Deactivation of the reception of inputs and lists

With the "key" in **"Configuration"** to select **"Protections "**; In

"Protections" enable the item by putting it to ON **"Lots entry "**.

NOTE: The use of the batch inputs requires the use of a computer

CONNECTION TO A COMPUTER

It is possible to manage the archives, formats, images and totals from a computer connected to the scale via a serial port (eg COM1 of a Windows system) or via ETHERNET interface.

In this regard, Ditron supplies proprietary software for the management of all the devices.