

INSTRUCTION MANUAL

ADVANCE SUPER USB



PTM s.r.l.

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Sistema Qualità Certificato secondo UNI EN ISO 9001



Dear customer, thank you for buying this PTM product.

**We advise you to read this manual carefully
in order to use the product at best.**



SAFETY AND MAINTAINANCE INFORMATION

- Never open the protection box of the scale.
- Should the scale be damaged, or should liquids have soave in, have the scale checked by a service point.
- Never pull the cables in order to disconnect the scale, but unscrew the connectors in the right way.
- If the device is provided with an electro-valve control box, remind that this is equipped with a fuse for protection against power supply inversions and current overflowing. In case the fuse breaks down, replace it with an equivalent one.
- Do not lay the device cables (e.g. load cell cables, data transmission cables, cables to control relay boards, etc.) near supply cables of other electric or electronic devices.
- Supply the device with tensions consistent with the technical features of the product.
- Have installation and maintenance work carried out by qualified staff.
- Working on the electro-valve control box, by making connections or adjustments which are not authorized by PTM, is prohibited.
- Do not lay the cables which are connected to the scale near moving mechanical parts.
- Once you have finished working with the device, we suggest you store it on its holder.
- Before cleaning the machine with high-pressure water, protect the scale against possible water infiltrations. We also remind you to be extremely careful and not expose electronics, cables and other optionals to direct water jets.
- It is possible to clean the scale outside by using a soft and damp cloth, avoiding solvent or abrasive substances, sharp or cutting objects which can damage the device.
- Do not expose the scale to temperatures higher than the limits indicated in the technical features.
- In order to reach a longer duration, do not expose the scale directly to atmospheric events, such as rain, snow, frost, etc.
- Never unscrew the grounding clamp which can be found on the protection box of the scale.
- Do not use sharp or cutting tools to press the keys.
- In case of installation, maintenance and reparation of the scale or the load cells, carry out a weight check / calibration before making the weighing system operating.
- Should the scale be equipped with data saving through USB Pen Drive or Memory Card, insert the saving device in the correct way.
- Before carrying out installation, maintenance and reparation works on the scale or the load cells, disconnect all the machines which could be connected to the weighing system.
- Before carrying out installation, maintenance and reparation works on the system, disconnect the power supply.
- Should the scale be equipped with relay boards, never connect the board directly to electric engines, devices with a higher tension than 110V, etc.
- During the charge of the machine battery, disconnect the power supply cable from the scale.
- Before carrying out welding on the machine, disconnect all the cables from the scale.
- In case of welding on the machine, place the grounding clip near the welding point, in order to prevent electric current from passing through the load cells.
- In case of welding on the device/machine, disconnect the electro-valve control box and the electronic equipment, by unplugging the power supply cable, all the electro-valve cables and the connection cable to the handheld remote control.
- We suggest NOT to use electro-valves which have the connection to the body of the electro-valve itself.
- All responsibility for installation, maintenance and reparation works falls on the person who carried them out.

- The constructor of the machine on which the device is installed takes on the responsibility to fix the parts of the device properly, in order to prevent any dangerous contact of the operator with the dangerous area. *In particular, if the device can control electro-valves, when the operator pushes a button, he is supposed to be aware of the corresponding movement on the machine.*
- It is responsibility of the constructor of the machine on which the device is installed to:
 - Evaluate risks and safety of the system
 - Provide the correct power supply on the device, in order to guarantee the correct functioning of the device in full respect of the regulation EN 60204-1.
 - If the device controls electro-valves directly, supply the symbols of the controls that you find on the device, so that they are conformed to the directive.
 - Correctly describe the functioning of the different keys and of the valves associated, so that the machine on which the device is installed can work in the correct way.
- Any change and/or alteration on the hardware or software made on the product, on the device or on the security systems of the product, if not expressly authorized by PTM S.r.l., makes any responsibility of the constructor concerning "CE" conformity drop.

ATTENTION!

Do not use high-pressure devices to clean the weighing scale and the load cells.

PTM s.r.l. declines any responsibility in case the regulations above are not observed, and invites the operator to the correct use of the device.

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FUNCTIONS AND FEATURES

The weighing indicators from the series ADVANCE SUPER USB are specific for the management of loading and unloading operations on Unifeed mixer wagons.

This kind of electronics allows to program and manage up to 150 recipes, with a maximum of 99 components, and 30 components per recipe.

By means of the "PTM Multilink" connecting system, it is possible to connect different optional devices simultaneously (e.g. printer, weight repeater, remote control, additional relays for Topcut management, mixer, etc.).

The series ADVANCE SUPER USB includes weighing computers with the following features:

- Possibility to give a name to components
- Memorization of 99 components
- Possibility to give a name to groups
- Memorization of 100 unloading groups
- Possibility to give a name to recipes
- Memorization of up to 150 recipes
- Possibility to load up to 30 components per recipe
- Possibility to unload up to 50 groups per recipe
- Total weight screen with the following details: date and time, name of the recipe to load, recipe total, ration per animal, number of animals
- Recipe selection screen with the main details of each recipe: recipe total, ration per animal, number of animals, mixing time and number of components
- Quick selection of the recipe to load
- Possibility to manage recipes by selecting the order of the components from a loading list
- Management of a numeric keyboard, with the same writing mode of cell phones
- Online Help for each screen/function of the scale
- Automatic backup of the changes made on components, groups and recipes upon inserting the USB pendrive
- Automatic backup of loading and unloading data upon inserting the USB pendrive
- Possibility of digital printing in CSV format, for consumptions and loading and unloading operations.
- Overcharge control system
- Possibility to prevent the access to some menu, under menu and functions to unskilled and unauthorized staff (through a PIN code). It is possible to manage to 20 users.
- Zeroing through external input or keyboard
- Loading break through external input or keyboard
- Loading stop through external input or keyboard (optional)
- Simultaneous connection of more repeater displays/optionals
- Management of the recipe mixing during the loading
- Possibility to specify for each component break time and alarm duration after the loading
- Possibility to specify for each group the alarm duration after the unloading
- Possibility to manage international measurement units
- Available weight divisions: 1-2-5-10-20
- Calibration through load cells data
- Calibration through load cells chart
- Calibration with sample weight
- Possibility to set out a threshold for manual dosage
- Connection of PTM Multilink peripheral devices
- Possibility to use additional I/O modules
- Control on possible programming conflict between outputs
- Self-detection of the number of relay boards connected
- Connection to the printer (by request)
- Possibility to set out the automatic unloading
- Management of component consumptions

- Proportional recalculation of the quantities of the recipe components in case of rest from the previous unloading (it can be enabled/disabled for each single recipe)
- Proportional recalculation of the quantities of the recipe components in case of overload of the first component (it can be enabled/disabled for each single recipe)
- Proportional recalculation of the unloading quantities in case of overload (it can be enabled/disabled for each single recipe)
- Management of the automatic load of the components from SILO (option)
- Management of the MAINTENANCES of MIXER WAGON (option)
- Contrast adjustment
- Brightness adjustment
- Integrated clock
- Detection of supply tension
- Multilanguage
- Possibility to show the weight in reverse mode
- Backup of the changes made on components, groups and recipes, made on the weighing computer
- Backup of the last 800 loadings and unloadings carried out by the weighing computer
- Backup of the settings and calibration of the weighing computer

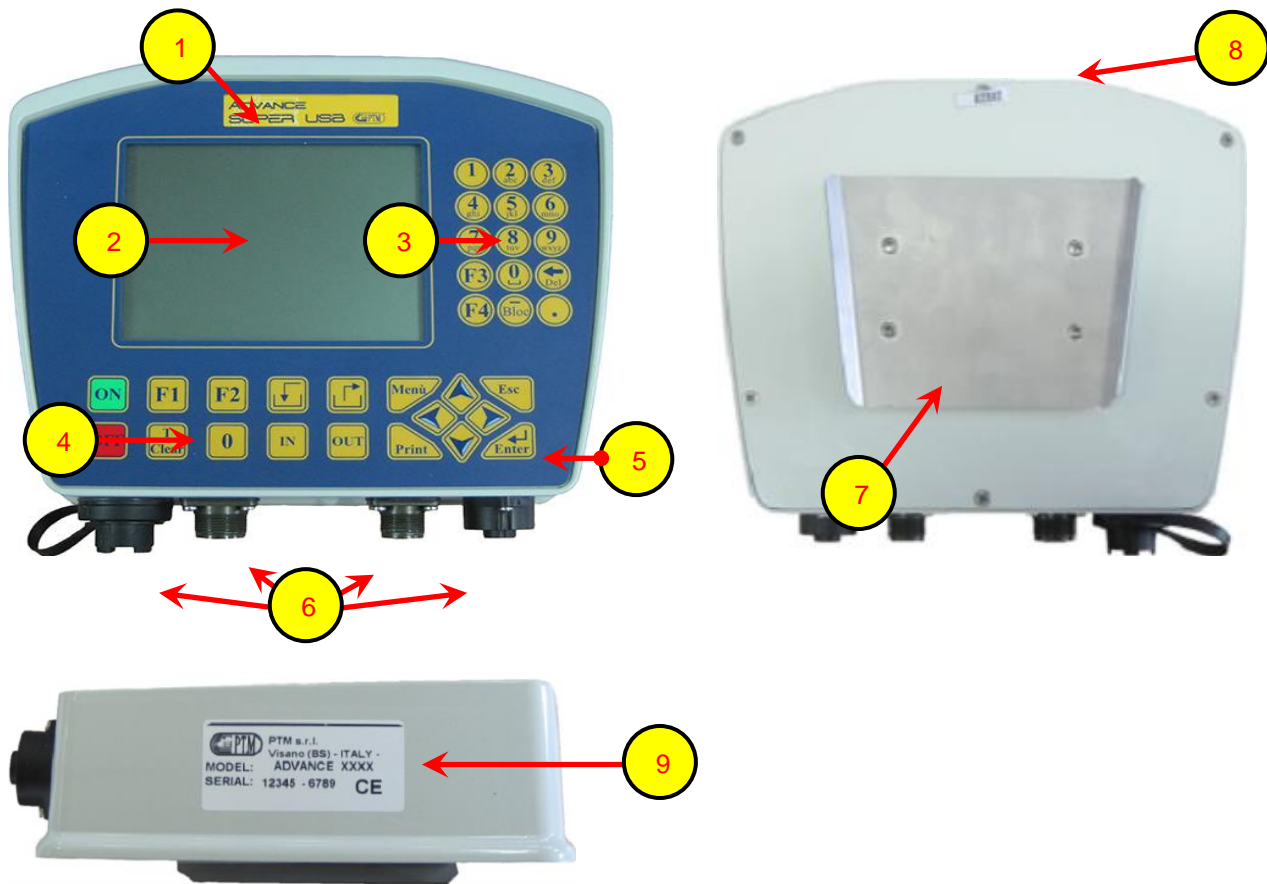
TECHNICAL FEATURES

| |
|--|
| High sensitivity membrane keyboard |
| Cast aluminium casing |
| Protection class: IP 68 with plug-in connectors |
| Size: L 258 X H 212 X P 75 mm |
| Weight: 2000 gram ca. |
| Display: LCD backlit Black/White 320x240 pixel/dot (5.7") with 16 grey levels |
| Display visible in full sunlight |
| Memory: Eeprom non volatile |
| Clock / Calendar |
| Available weight divisions: Kg. 1 – 2 – 5 – 10 – 20 |
| Resolution: 135.000 dd |
| Operating conditions: - 30 + 70 C° |
| Relative humidity: 95 % |
| Power supply: from 10 to 32 V dc |
| Absorbed power: 4 VA max |
| Load cells in parallel connection: Max 12 (350 Ω) |
| Load cell power supply: 5 Vcc |
| Margin of reading error: +/- Kg. 1 out of Kg. 10.000 |
| Display data field: +99999 ; -99999 |
| Measuring range: ± 2 mV; ± 20 mV |
| Conversion speed per second: 10 / sec. |
| No. of RS232 serial outputs: 1 fixed; 2 optional |
| Consumption: 12V – ca 250 mA (in case of 4 connected load cells) |
| Protection against radiofrequency interferences |
| Elimination of power supply interferences |
| Signalling of low tension |

OPTIONALS



























| |
|--|
| Repeater Displays: MV6, AV20-5, Big Display, AV40-5 |
| Portable Displays: AV50/AV80 |
| Multilink TR60: RF Antenna for portable Display AV50/AV60/AV65/AV80 |
| Multilink TR61: RF Antenna (automatic load of the components) |
| 4in-12out Board: Board 4 inputs 12 outputs (automatic load of the components) |
| 16out Boards: Board 16 outputs (automatic load of the components) |
| Multilink Drive 8: I/O board |
| Multilink RF7: RF Antenna for Radio control |
| Multilink Printer Mod. P255/P256/P260/P261 |
| Multilink Drive 8: I/O board #2 |
| Multilink Drive 8: I/O board #3 |
| Multilink Drive 8: I/O board #4 |
| Inverter |
| Power supplier |

WEIGHING SCALE STRUCTURE



1. **Identifying plate:** In this area of the keyboard there is the identifying plate where the scale model is indicated.
2. **Display LCD 320x240 with 16 grey levels:** LCD Graphic display where all information of the weighing scale are indicated, here all the different steps of the weighing operations are indicated. To make the access to the end user easier, the scale is equipped with interactive graphic.
3. **Numeric Keyboard:** Numeric keyboard for the insertion of numbers and letters.
4. **Function keys:** In this keyboard area there are some function keys, among them there is the tare zeroing key and the partial weight zeroing key.
5. **Shift keys:** In this area of the keyboard there are some keys used to shift among the different menus of the scale.
6. **Connctors:** There are four connectors for the junction to the power supply, to the load cells, to the optionals and to the USB pen-drive.
7. **Male coupling:** Scale fixing support. Together with the weighing kit the female coupling is supplied.
8. **Serial Number:** Serial Number of the scale. In case of service, please communicate to PTM or to the authorized dealer this number to allow the product identification.
9. **EC Identifying plate:** This is the identifying plate of the weighing scale. In case of service, please communicate to PTM or to the authorized dealer this number to allow the product identification. Please, do not remove or damage this plate.

KEYS FUNCTIONS

| | |
|--|---|
|  ON |  OFF |
|  ACCESS TO USER MENU ADVANCED PARAMETERS |  ENTER |
|  EXIT |  PRINT |
|  SHIFTING THE CURSOR UPWARDS MOVING TO THE NEXT COMPONENT MOVING TO THE NEXT GROUP |  SHIFTING THE CURSOR DOWNWARDS MOVING TO THE PREVIOUS COMPONENT MOVING TO THE PREVIOUS GROUP |
|  SHIFTING THE CURSOR TO THE LEFT |  SHIFTING THE CURSOR TO THE RIGHT |
|  TARE ZEROING TOTAL WEIGHT RECALL |  PARTIAL WEIGHT RECALL PARTIAL WEIGHT ZEROING |
|  RECIPE SELECTION MENU LOADING PROGRAMMING |  RECIPE SELECTION MENU UNLOADING PROGRAMMING |
|  START OF THE LOADING OF THE SELECTED RECIPE |  START OF THE UNLOADING OF THE SELECTED RECIPE |
|  ACTIVATION / DEACTIVATION OF THE TOPCUT FUNCTION (IF AVAILABLE) |  VISUALIZATION OF MULTILINK MODULE ALARMS (IF AVAILABLE) CHANGE ALL VALUES |
|  CHANGE WRITING MODE (CAPITAL LETTERS, SMALL LETTERS, NUMBERS) |  QUICK SELECTION OF COMPONENTS, GROUPS AND RECIPES |
|  ENTRY OF NUMBER AND LETTERS BY MEANS OF THE NUMERIC KEYBOARD |  ENTRY OF NUMBER "0" OR SPACE |
|  | |
|  DELETE CHARACTER (DELETE) |  ENTRY OF CHARACTER "-" BLOCKING/UNBLOCKING DURING LOADING AND UNLOADING OPERATIONS |
|  ENTRY OF DECIMAL POINT ONLINE HELP | |


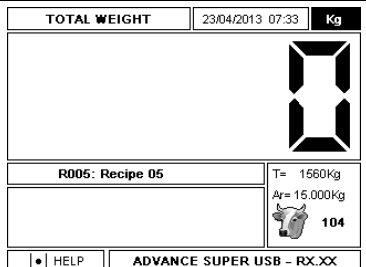
ATTENTION: According to the menu, some keys may have either additional or different functions. For more information, please read the online help on the scale, or go on reading this document.

TO START

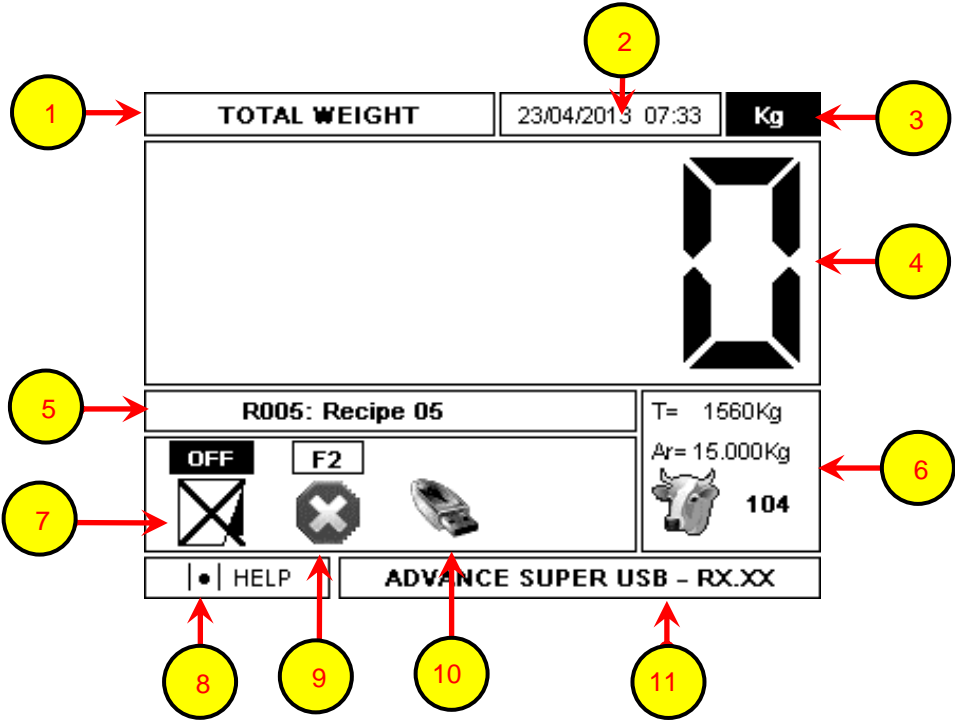
| FUNCTION | OPERATION | DISPLAY |
|----------|-----------|---------|
|----------|-----------|---------|




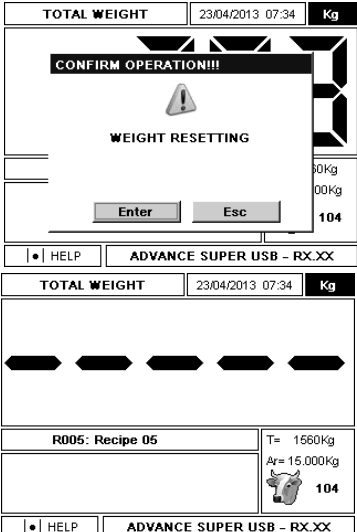



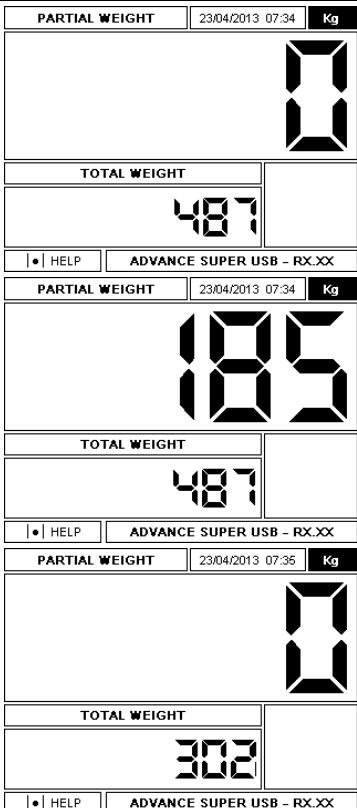


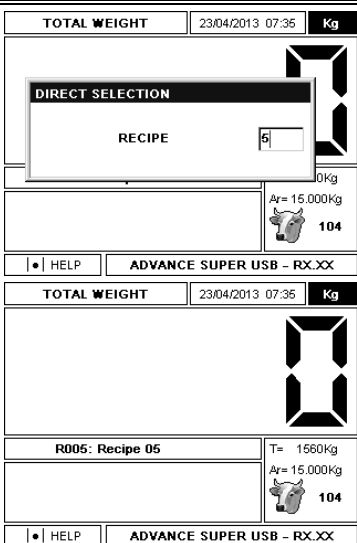
The operations describe below concern the basic functioning of the weighing computer.



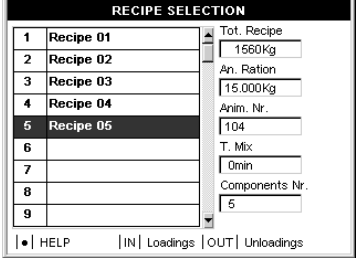


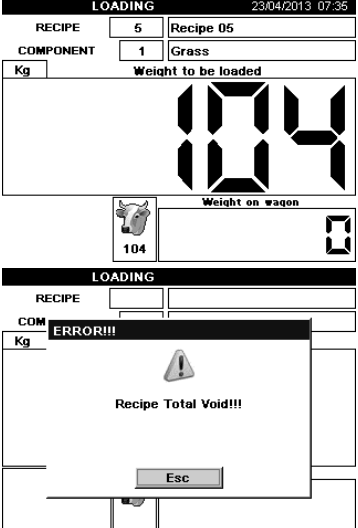


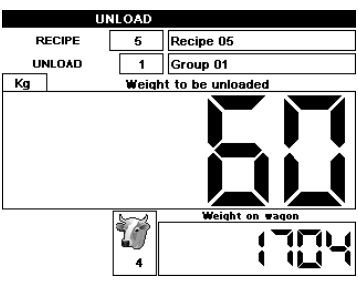
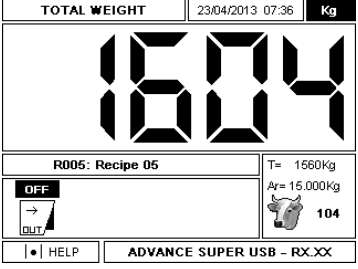
For extra information, please go on reading this document.


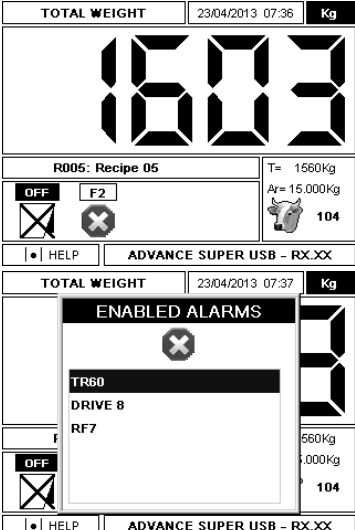
| | | |
|------------------|--|---|
| <p>Switch ON</p> | <p>Press </p> |  |
|------------------|--|---|

| | | |
|-------------------|--|--|
| <p>Switch OFF</p> | <p>Press </p> | |
|-------------------|--|--|

| | |
|----------------------------|--|
| <p>TOTAL WEIGHT</p> | <p>After the introduction, the weighing computer shows the screen TOTAL WEIGHT:</p>  <ol style="list-style-type: none"> 1. Current screen (TOTAL WEIGHT or PARTIAL WEIGHT) 2. Current date and time 3. Measurement unit used by the scale 4. Value of total or partial weight detected by the scale 5. Current selected recipe 6. Summary information regarding the current selected recipe: Total weight to load, ration per animal and total number of animals 7. Icon showing the status of Topcut knives in the mixer wagon (<i>by request</i>) 8. Key to press in order to visualize the online help of the scale 9. Alarms for Multilink modules (<i>by request</i>) 10. USB Pendrive inserted in the weighing computer 11. Software Release installed on the weighing computer |
|----------------------------|--|

| FUNCTION | OPERATION | DISPLAY |
|--|--|---|
| <p><u>TOTAL WEIGHT</u></p> <p>Zeroing the total weight</p> | <p>The screen TOTAL WEIGHT shows the value of total weight measured by the load cells.</p> <p>To reset the weight value to zero, keep the key  pressed for 3 seconds, until the confirmation message appears on the display.</p> <p>Press  to confirm the tare zeroing: the value of total weight will be reset to zero.</p> <p>Otherwise, press  to cancel the operation.</p> |  |
| <p><u>PARTIAL WEIGHT</u></p> <p>Zeroing the partial weight</p> | <p>It is possible to move from the screen TOTAL WEIGHT to the screen PARTIAL WEIGHT by pressing the key .</p> <p>The value of total weight is displayed in the lower part of the screen.</p> <p>When going on with the loading operations, the display shows the partial weight loaded from that moment on, while the updated total weight is displayed in the lower part of the screen.</p> <p>By pressing the key  again, it is possible to reset the partial weight to zero.</p> <p>Press  to go back to the menu TOTAL WEIGHT.</p> |  |
| <p><u>TOTAL WEIGHT</u></p> <p>Direct selection of the recipe</p> | <p>In order to carry out a DIRECT SELECTION of the recipe to load, place yourself in the menu TOTAL WEIGHT and press .</p> <p>In the superimposed screen it is possible to enter the number of the recipe to load by means of the numeric keyboard, and confirm it by pressing .</p> |  |

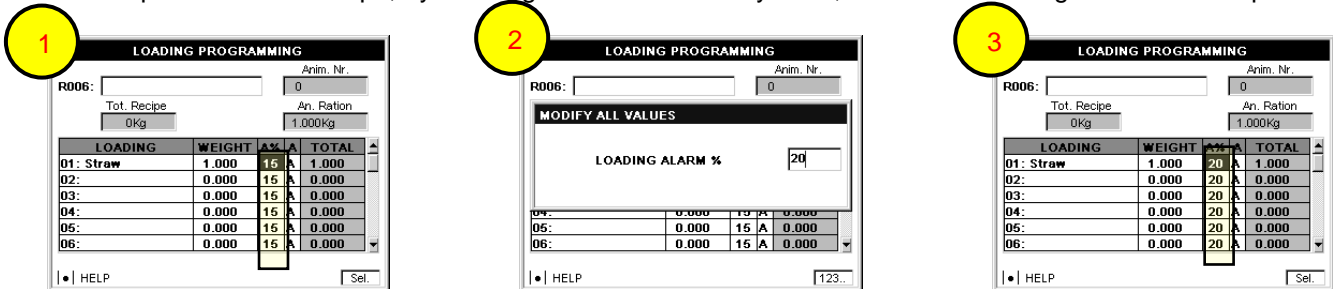
| FUNCTION | OPERATION | DISPLAY |
|--|---|---|
| <p><u>RECIPE SELECTION</u></p> | <p>In order to enter the menu RECIPE SELECTION press  or .</p> <p><i>ATTENTION: for more detailed information, please see the section PROGRAMMING and RECIPE SELECTION.</i></p> |  |
| <p><u>TOTAL WEIGHT</u></p> <p>Starting the loading of the recipe</p> | <p>To start the LOADING of the recipe selected in the menu TOTAL WEIGHT, press .</p> <p>Should an empty recipe be selected, the display shows the error message ERROR!!! Recipe Total Void!!! It is possible to leave this message by pressing .</p> |  |
| <p><u>TOTAL WEIGHT</u></p> <p>Starting the unloading of the recipe</p> | <p>To start the UNLOADING of the recipe selected in the menu TOTAL WEIGHT, press .</p> <p>Like for the loading, should an empty recipe be selected, the display shows the error message ERROR!!! Recipe Total Void!!! It is possible to leave this message by pressing .</p> |  |
| <p><u>TOTAL WEIGHT</u> Manual TOPCUT <i>(by request)</i></p> | <p>If the scale is arranged for the TOPCUT function (control of knives for grinding the material in the mixer wagon), the icon showing the status of the knives appears in the menus TOTAL WEIGHT and PARTIAL WEIGHT.</p> <p>It is possible to enable/disable MANUAL TOPCUT only from the menus TOTAL WEIGHT and PARTIAL WEIGHT.</p> <p>It is not possible to leave the menus TOTAL WEIGHT and PARTIAL WEIGHT as long as the function MANUAL TOPCUT is not disabled.</p> <p>For more details, please read the specific section in the next pages.</p> |  |

| FUNCTION | OPERATION | DISPLAY |
|--|---|---|
| <p>TOTAL WEIGHT Manual TOPCUT <i>(by request)</i></p> <p>Static Recipe times Dedicated times</p> | <p>This mode can be set out in the sub menu MANUAL TOPCUT, where it is possible to choose among the following functioning modes:</p> <ul style="list-style-type: none"> ➤ STATIC ➤ RECIPE TIMES: with the same Knives IN and Knives OUT times of the selected recipe ➤ DEDICATED TIMES: with Knives IN and Knives OUT times independent from the times of the selected recipe <p>After choosing one of the three available modes, it is possible to enable it by pressing the key F1 in the screens TOTAL WEIGHT and PARTIAL WEIGHT.</p> <p>The word MAN or AUTO appears above the TOPCUT icon, according to the functioning mode selected.</p> <p>In the STATIC mode, the TOPCUT icon shows the word MAN and the knives are activated (IN) and deactivated (OUT) upon enabling/disabling the mode.</p> <p>In the modes RECIPE TIMES or DEDICATED TIMES, the TOPCUT icon shows the word AUTO and the knives are activated (IN) and deactivated (OUT) according to the times set out in the submenu MANUAL TOPCUT.</p> <p>These modes can be disabled by pressing F1; in this case the word OFF appears above the icon TOPCUT.</p> |  |
| <p>TOTAL WEIGHT MULTILINK <i>(by request)</i></p> <p>Module alarms</p> | <p>In case the weighing computer is connected to any Multilink modules, and there communication problems with the scale, the icon F2 is displayed in the screen TOTAL WEIGHT.</p> <p>By pressing F2 it is possible to visualize the screen ENABLED ALARMS, with the list of Multilink modules having communication problems with the scale; in this way it is possible to identify the source of the fault immediately.</p> <p>To leave, press Esc.</p> |  |




MULTIPLE CHANGE OF A PARAMETER

In some menus and for some parameters, it is possible to make a single change to set out a value for all the associated positions in the menu.


For instance, in the menu **LOADING PROGRAMMING** it is possible to modify the value **LOADING ALARM %** for all the components of the recipe, by entering the value 20% only once, instead of entering it for each component.



It is possible to enable the multiple change with single entry as follows:

1. press 
2. in the screen **MODIFY ALL VALUES** use the numeric keyboard to enter the value you want to give the parameter for all the elements in the menu
3. confirm by pressing , or cancel by pressing 

In the explanation of the next sections the following description will be indicated, every time it is possible to carry out the multiple change of the parameter with single entry:

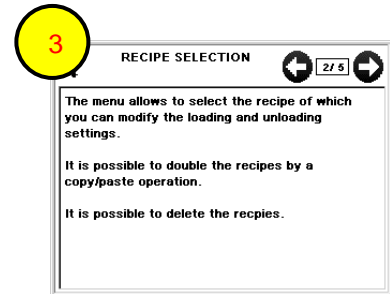
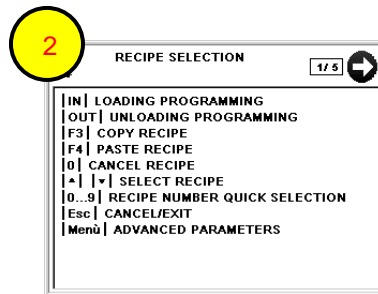
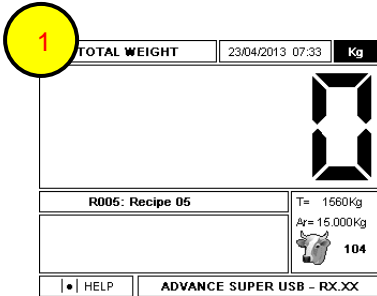
With  multiple change of the parameter


HELP



The weighing computer Advance contains some screens to help the user better understand:


- the functions of the keys
- the functioning, the settings and the options.

The Help screens are contextual, and contain descriptions concerning the menu which the user is visualizing.



1. The function **HELP** is available in the menus showing the sign “|. | HELP” at the bottom on the left. In order to visualize the HELP pages, press .
2. The keys, as well as their function in the menu, are described in the first page.
3. The next pages describe the functioning of the menu, the settings and the options which can be set out.

To scroll the pages, use  .

To leave the online help, press .

ENTRY OF TEXT AND NUMBERS










It is possible to enter text and numbers by means of the numeric keyboard.

By repeatedly pressing the keys, it is possible to enter other characters than the ones present on the keyboard.










In some menus it is possible to change the writing mode by pressing :

- Capital letters **ABC (123)**
- Small letters **abc (123)**
- Numbers **123**

In the following you'll find the character corresponding to the number of pressures of the key in CAPITAL

| KEY | x1 | x2 | x3 | x4 | x5 | x6 | x7 | x8 | x9 | x10 | x11 | x12 |
|---|----|----|----|----|----|----|----|----|----|-----|-----|-----|
|  | . | , | ? | ! | 1 | | | | | | | |
|  | A | B | C | Ä | Á | À | Â | Ã | Ç | 2 | | |
|  | D | E | F | Ë | É | È | Ê | 3 | | | | |
|  | G | H | I | Ï | Í | Ì | Î | 4 | | | | |
|  | J | K | L | 5 | | | | | | | | |
|  | M | N | O | Ö | Ñ | Ó | Ò | Ô | Õ | 6 | | |
|  | P | Q | R | S | Š | 7 | | | | | | |
|  | T | U | V | Ü | Ú | Ù | Û | 8 | | | | |
|  | W | X | Y | Z | Ÿ | Ý | Æ | Œ | Ø | Å | Ž | 9 |

and SMALL mode:

| KEY | x1 | x2 | x3 | x4 | x5 | x6 | x7 | x8 | x9 | x10 | x11 |
|---|----|----|----|----|----|----|----|----|----|-----|-----|
|  | . | , | ? | ! | 1 | | | | | | |
|  | a | b | c | ä | á | à | â | ã | ç | 2 | |
|  | d | e | f | ë | é | è | ê | 3 | | | |
|  | g | h | i | ï | í | ì | î | 4 | | | |
|  | j | k | l | 5 | | | | | | | |
|  | m | n | o | ö | ñ | ó | ò | ô | õ | ö | 6 |
|  | p | q | r | s | š | ß | 7 | | | | |
|  | t | u | v | ü | ú | ù | û | 8 | | | |
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COMMUNICATION WITH SOFTWARES

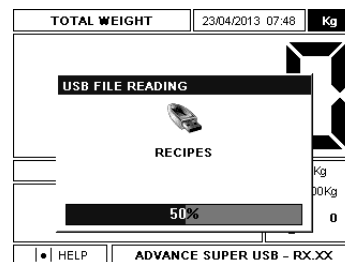
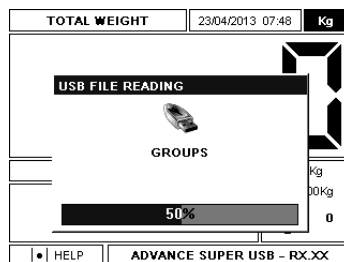
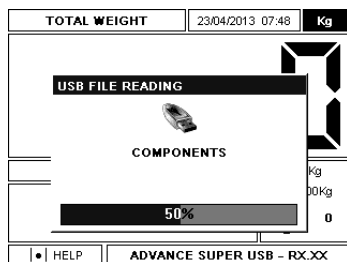
The weighing computer Advance Super USB can work with the software **SUPER DATA MIX** or **PTM MANAGEMENT**, which allows the exchange of programmings and loading and unloading data, the best management of the quantities of material, and the control on the operator's work on the wagon.

Here under you'll find some useful advice to communicate with the program.

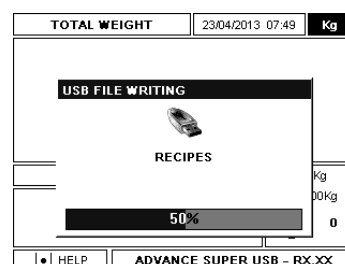
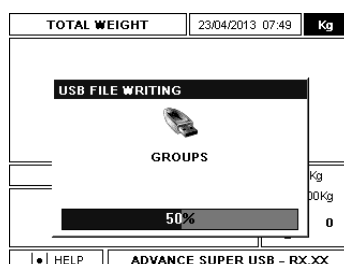
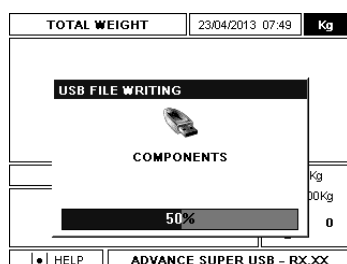
- In order to communicate with the program, it is necessary to get a USB pendrive (supplied as standard equipment with the scale), and get in the total weight menu.
- In order to download data from the program into the weighing computer, get in the total weight menu and put the USB pendrive in the specific connector.
- In order to export loading and unloading data, as well as changes made on groups and recipes, get in the total weight menu and put the USB pendrive in the specific connector.
- Check that the USB pendrive has been put in the weighing computer in the right way.
- Do not switch off the weighing computer while sending/receiving data.

Here is the detailed procedure for sending/receiving data:

- Create the programmings with the software Super Data Mix or PTM Management
- Send the programmings from the software Super Data Mix or PTM Management to the weighing computer by inserting the USB pendrive in the specific connector.
- Get in the total weight menu and insert the USB pendrive.
- Wait for the data to be automatically downloaded.



- Take out the USB pendrive and carry out the loading/unloading operations.
- On the weighing computer it is possible to create or modify components, groups and recipes; all changes will be then exported to the USB pendrive and imported into the program Super Data Mix or PTM Management.
- Wait for the data to be automatically downloaded upon putting the USB pendrive in the specific connector.



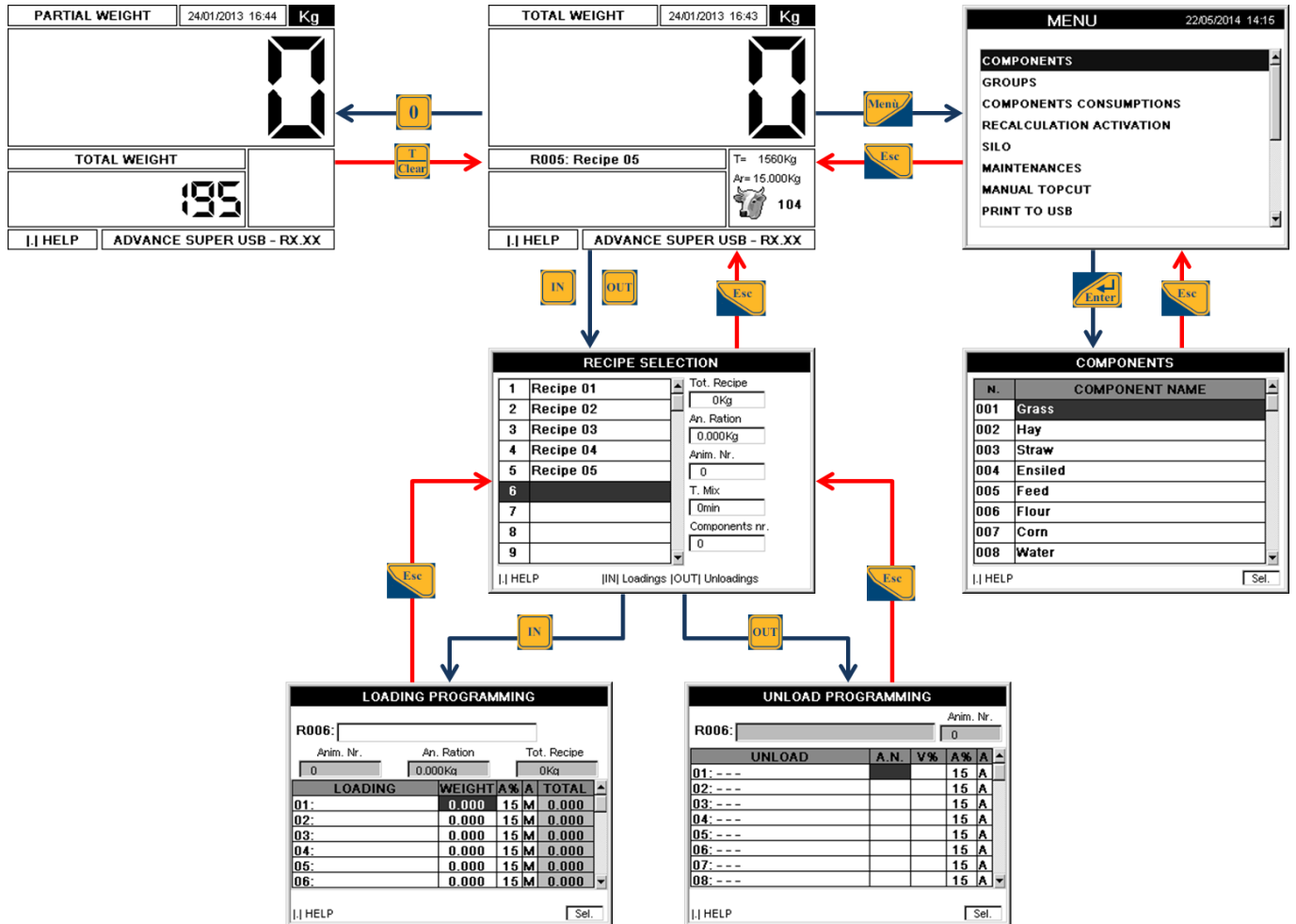
ATTENTION: if the communication between scale and software fails, and data go lost, they can be retrieved as backup data from the internal memory of the scale (see BACKUP USB).

MENU


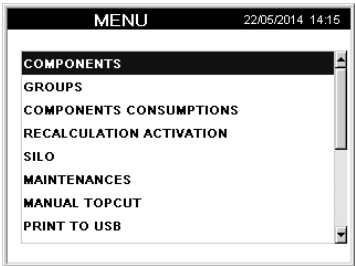




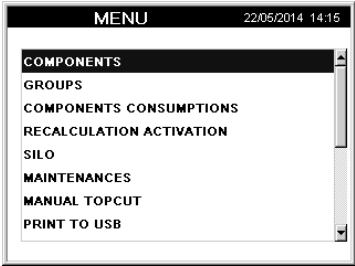
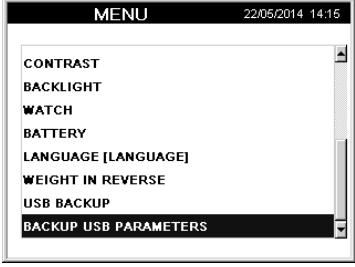




It is possible to access the following screens:

- ✓ TOTAL WEIGHT
- ✓ PARTIAL WEIGHT
- ✓ MENU
- ✓ SUBMENU
- ✓ RECIPE SELECTION
- ✓ LOADING PROGRAMMING
- ✓ UNLOADING PROGRAMMING


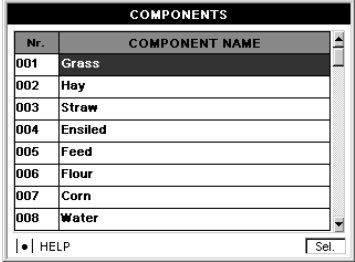




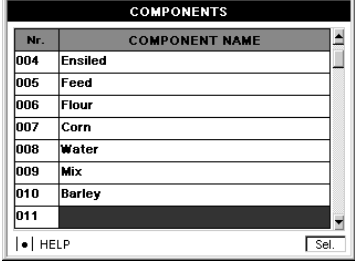
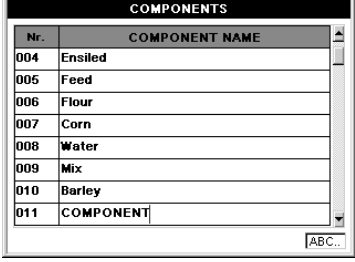
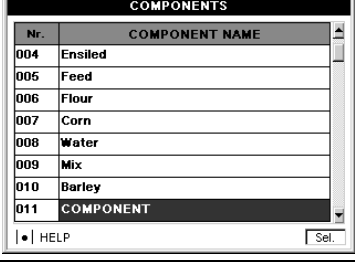



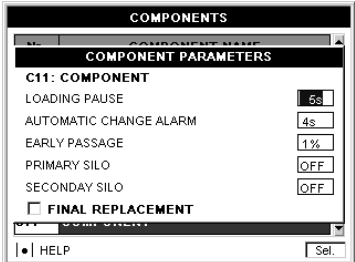
according to the following scheme:




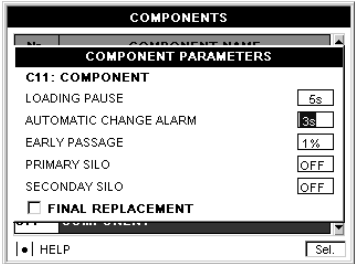



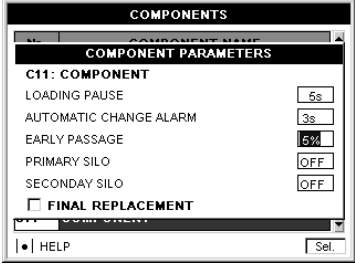


MAIN MENU

| FUNCTION | OPERATION | DISPLAY |
|---|---|---|
| <p><u>MAIN MENU</u></p> | <p>In the MENU you'll find the list of the submenus which can be selected, in order to access some of the functions of the scale.</p> <p>You can access this screen from the TOTAL WEIGHT by pressing .</p> |  |
| <p><u>MAIN MENU</u></p> <p>Submenu</p> | <p>Use the keys   to move the cell between the submenus:</p> <ul style="list-style-type: none"> ✓ COMPONENTS ✓ GROUPS ✓ COMPONENTS CONSUMPTIONS ✓ RECALCULATION ACTIVATION ✓ SILO (Option) ✓ MAINTENANCES (Option) ✓ MANUAL TOPCUT (by request) ✓ PRINT TO USB (enabling through code) ✓ CONTRAST ✓ BACKLIGHT ✓ WATCH ✓ BATTERY ✓ LANGUAGE ✓ WEIGHT IN REVERSE ✓ USB BACKUP ✓ BACKUP USB PARAMETERS <p>By pressing  it is possible to access the underlined submenu.</p> <p>By pressing  it is possible to go back to the menu TOTAL WEIGHT.</p> |   |
| <p><u>MAIN MENU</u></p> <p>Shifting the cursor</p> | <p>In the following screens:</p> <ul style="list-style-type: none"> ✓ MENU ✓ SUBMENU ✓ RECIPE SELECTION ✓ LOADING PROGRAMMING ✓ UNLOADING PROGRAMMING <p>it is possible to shift the cell:</p> <ul style="list-style-type: none"> ➤  to the left ➤  to the right ➤  upwards ➤  downwards | |

SUBMENU

| FUNCTION | OPERATION | DISPLAY |
|--|--|--|
| <p><u>COMPONENTS</u></p> | <p>The submenu COMPONENTS allows to manage components, which will be used in the loading operations of the single recipes.</p> <p>The names of the components can be entered by means of programmings with the softwares SUPER DATA MIX or PTM MANAGEMENT, or on the weighing computer directly.</p> <p style="text-align: right;">  </p> <p>To leave this submenu, press</p> |  |
| <p><u>COMPONENTS</u></p> <p>Modify Create Erase</p> | <p>It is possible to modify, create or erase a component as follows:</p> <ul style="list-style-type: none"> ➤ place the cell in the column COMPONENT NAME, on the line of the component to create, change or erase ➤ press  ➤ in order to create a new component, it is necessary to select an empty line ➤ make the wished changes: press , if you wish to cancel the component; use the numeric keyboard to change the name (or create it, if the selected component is new). While modifying the name, it is possible to change the writing mode by pressing  ➤ press  to confirm the changes |    |
| <p><u>COMPONENTS</u></p> <p>COMPONENT PARAMETERS</p> <p>Loading pause</p> | <p>For each component it is possible to set out a break at the end of the component loading, that is a waiting time counted down at the end of the component loading.</p> <p>Access to the screen COMPONENT PARAMETERS by pressing .</p> <p>In the superimposed window it is possible to enter the value for LOADING PAUSE by means of the numeric keyboard, and confirm by pressing .</p> <p>With  multiple change of the parameter.</p> <p>It is possible to enter values between 0 and 999.</p> |  |

| FUNCTION | OPERATION | DISPLAY |
|--|--|--|
| <p>COMPONENTS COMPONENT PARAMETERS Automatic change alarm</p> | <p>For each component it is possible to set out the duration of the alarm at the end of the loading of the selected component.</p> <p>Access to the screen COMPONENT PARAMETERS by pressing .</p> <p>In the superimposed window it is possible to enter the value for AUTOMATIC CHANGE ALARM by means of the numeric keyboard, and confirm by pressing .</p> <p>With  multiple change of the parameter.</p> <p>It is possible to enter values between 0 and 99.</p> |  |
| <p>COMPONENTS COMPONENT PARAMETERS EARLY PASSAGE</p> | <p>For each component it is possible to set an EARLY PASSAGE.</p> <p>The percentage is calculated according to the total quantity of the component, which is going to be loaded in the different recipes.</p> <p>For example:</p> <ul style="list-style-type: none"> - For a recipe 1000 kg of the component has to be loaded, - The user has set the automatic passage; - if the user has set as “EARLY PASSAGE” 5%, the passage to the next component is carried out when 50 kg are left. <p>Press  to access to COMPONENT PARAMETERS.</p> <p>A window appears superimposed and it is possible to insert a value for the EARLY PASSAGE through the numeric keyboard. Then confirm with .</p> <p> = multiple modification of the parameter.</p> <p>It is possible to insert values from 0 to 15.</p> |  |

FUNCTION

OPERATION

DISPLAY

COMPONENTS COMPONENT PARAMETERS

SILO (Option)

For each component it is possible to set:

- PRIMARY SILO
- SECONDARY SILO
- FINAL REPLACEMENT

The PRIMARY and the SECONDARY SILOS are the no. of the SILO in which the component is storage.

The SECONDARY SILO is activated, if the material inside the PRIMARY SILO is finished; or vice versa.

If a component in a SILO is finished and the SECONDARY SILO is set, it is possible to set, if the weighing indicator has to try to take away the component from the LAST USED SILO (FINAL REPLACEMENT) or always from the PRIMARY SILO.

To access to COMPONENT PARAMETER press



A window appears superimposed and it is possible to insert a value for the PRIMARY and SECONDARY SILO (through the numeric keyboard) and select the

FINAL REPLACEMENT. Then confirm with



NOTE: the number of the SILO is set in SILO Menu.

| COMPONENTS | |
|--|-----|
| COMPONENT NAME | |
| COMPONENT PARAMETERS | |
| C11: COMPONENT | |
| LOADING PAUSE | 5s |
| AUTOMATIC CHANGE ALARM | 3s |
| EARLY PASSAGE | 5% |
| PRIMARY SILO | 1 |
| SECONDARY SILO | OFF |
| <input type="checkbox"/> FINAL REPLACEMENT | |
| HELP Sel. | |

| COMPONENTS | |
|--|----|
| COMPONENT NAME | |
| COMPONENT PARAMETERS | |
| C11: COMPONENT | |
| LOADING PAUSE | 5s |
| AUTOMATIC CHANGE ALARM | 3s |
| EARLY PASSAGE | 5% |
| PRIMARY SILO | 1 |
| SECONDARY SILO | 2 |
| <input type="checkbox"/> FINAL REPLACEMENT | |
| HELP Sel. | |

| COMPONENTS | |
|---|----|
| COMPONENT NAME | |
| COMPONENT PARAMETERS | |
| C11: COMPONENT | |
| LOADING PAUSE | 5s |
| AUTOMATIC CHANGE ALARM | 3s |
| EARLY PASSAGE | 5% |
| PRIMARY SILO | 1 |
| SECONDARY SILO | 2 |
| <input checked="" type="checkbox"/> FINAL REPLACEMENT | |
| HELP Sel. | |

GROUPS

The submenu **GROUPS** allows to manage the groups which can be associated in the unloading operations of the single recipes.

The names of the groups can be entered by means of programmings with the softwares **SUPER DATA MIX** or **PTM MANAGEMENT**, or on the weighing computer directly.

To leave this submenu, press



| GROUPS | | | |
|-------------|------------|------|----|
| Nr. | GROUP NAME | A.N. | V% |
| 001 | Group 01 | 4 | 0 |
| 002 | Group 02 | 7 | 0 |
| 003 | Group 03 | 19 | 0 |
| 004 | Group 04 | 74 | 0 |
| 005 | | 0 | 0 |
| 006 | | 0 | 0 |
| 007 | | 0 | 0 |
| 008 | | 0 | 0 |
| HELP Sel. | | | |

FUNCTION

OPERATION

DISPLAY

GROUPS


Modify
Create
Erase


It is possible to modify, create or erase a group as follows:


- place the cell in the column LOT NAME, on the line of the group to create, change or erase

- press 

- in order to create a new group, it is necessary to select an empty line

- make the wished changes: press , if you wish to cancel the group; use the numeric keyboard to change the name (or create it, if the selected group is new). While modifying the name, it is possible to

change the writing mode by pressing 

- press  to confirm the changes

| GROUPS | | | |
|--------|------------|------|----|
| Nr. | GROUP NAME | A.N. | V% |
| 001 | Group 01 | 4 | 0 |
| 002 | Group 02 | 7 | 0 |
| 003 | Group 03 | 19 | 0 |
| 004 | Group 04 | 74 | 0 |
| 005 | GROUP | 0 | 0 |
| 006 | | 0 | 0 |
| 007 | | 0 | 0 |
| 008 | | 0 | 0 |

|•| HELP Sel.

GROUPS


Number of animals

It is possible to set out the number of animals of one group as follows:

- place the cell in the column A.N., on the line of the group to set out

- press 

- enter the number of animals by means of the numeric keyboard



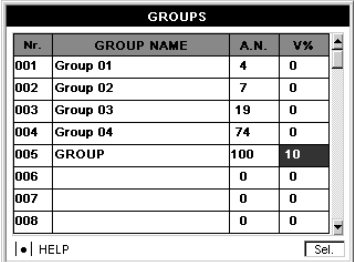



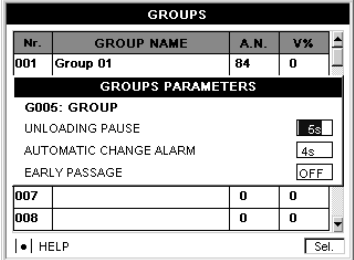



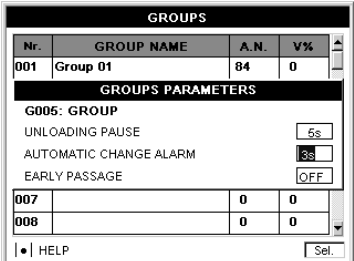
- press  to confirm the changes




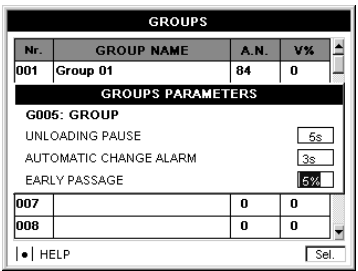
It is possible to enter values between 0 and 999.

ATTENTION: the change of the number of animals of one unloading group in the submenu Groups leads to a change on all the unloading programmings.

| GROUPS | | | |
|--------|------------|------|----|
| Nr. | GROUP NAME | A.N. | V% |
| 001 | Group 01 | 4 | 0 |
| 002 | Group 02 | 7 | 0 |
| 003 | Group 03 | 19 | 0 |
| 004 | Group 04 | 74 | 0 |
| 005 | GROUP | 100 | 0 |
| 006 | | 0 | 0 |
| 007 | | 0 | 0 |
| 008 | | 0 | 0 |

|•| HELP Sel.

| FUNCTION | OPERATION | DISPLAY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|-----|------------|------|----|-----|----------|---|---|-----|----------|---|---|-----|----------|----|---|-----|----------|----|---|-----|-------|-----|----|-----|--|---|---|-----|--|---|---|-----|--|---|---|
| <p align="center">GROUPS</p> <p align="center">% Variation Group Feeding</p> | <p>It is possible to set out the percent variation of the group feeding as follows:</p> <ul style="list-style-type: none"> ➤ place the cell in the column V%, on the line of the group to set out ➤ press  ➤ enter the value of the percent variation by means of the numeric keyboard ➤ press  to confirm the changes <p>It is possible to enter values between -99 and 100.</p> <p><i><u>ATTENTION: the change of the percent variation of the group feeding in the submenu Groups leads to a change on all the unloading programmings.</u></i></p> |  <table border="1"> <thead> <tr> <th>Nr.</th> <th>GROUP NAME</th> <th>A.N.</th> <th>V%</th> </tr> </thead> <tbody> <tr><td>001</td><td>Group 01</td><td>4</td><td>0</td></tr> <tr><td>002</td><td>Group 02</td><td>7</td><td>0</td></tr> <tr><td>003</td><td>Group 03</td><td>19</td><td>0</td></tr> <tr><td>004</td><td>Group 04</td><td>74</td><td>0</td></tr> <tr><td>005</td><td>GROUP</td><td>100</td><td>10</td></tr> <tr><td>006</td><td></td><td>0</td><td>0</td></tr> <tr><td>007</td><td></td><td>0</td><td>0</td></tr> <tr><td>008</td><td></td><td>0</td><td>0</td></tr> </tbody> </table> | Nr. | GROUP NAME | A.N. | V% | 001 | Group 01 | 4 | 0 | 002 | Group 02 | 7 | 0 | 003 | Group 03 | 19 | 0 | 004 | Group 04 | 74 | 0 | 005 | GROUP | 100 | 10 | 006 | | 0 | 0 | 007 | | 0 | 0 | 008 | | 0 | 0 |
| Nr. | GROUP NAME | A.N. | V% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 001 | Group 01 | 4 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 002 | Group 02 | 7 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 003 | Group 03 | 19 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 004 | Group 04 | 74 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 005 | GROUP | 100 | 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 006 | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 007 | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 008 | | 0 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p align="center">GROUPS</p> <p align="center">GROUPS PARAMETERS</p> <p align="center">Unload Pause</p> | <p>For each group it is possible to set a pause for the end of unloading group; that is a waiting time, which is calculated at the end of the group unloading.</p> <p>To access to the window GROUPS PARAMETERS press the key .</p> <p>A window appears superimposed and it is possible to insert a value for the UNLOADING PAUSE (through the numeric keyboard), Then confirm the value by pressing .</p> <p> = multiple modification of the parameter.</p> <p>It is possible to insert values from 0 to 999.</p> |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p align="center">GROUPS</p> <p align="center">GROUPS PARAMETERS</p> <p align="center">Automatic change alarm</p> | <p>For each group it is possible to set out the duration of the alarm at the end of the unloading.</p> <p>Access to the screen GROUPS PARAMETERS by pressing .</p> <p>In the superimposed window it is possible to enter the value for AUTOMATIC CHANGE ALARM by means of the numeric keyboard, and confirm by pressing .</p> <p>With  multiple change of the parameter.</p> <p>It is possible to enter values between 0 and 99.</p> |  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| FUNCTION | OPERATION | DISPLAY |
|---|---|---|
| <p style="text-align: center;">GROUPS GROUPS PARAMTERS</p> <p style="text-align: center;">Early passage</p> | <p>For each group it is possible to set an “EARLY PASSAGE”.</p> <p>The percentage is calculated according to the total quantity, which is loaded in the different recipes for the group.</p> <p>For example:</p> <ul style="list-style-type: none"> - in the recipe it is necessary to unload 1000 kg for the group - the automatic passage is set - the user set the “early passage” with 5% - the passage to the next group happens when 50 kg are left. <p>To access the window GROUPS PARAMTERS press the key .</p> <p>A window appears superimposed and it is possible to insert a value for the EARLY PASSAGE (through the numeric keyboard), Then confirm the value by pressing .</p> <p> = <i>multiple modification of the parameter.</i></p> <p>It is possible to insert a value from 0 to 15.</p> |  |

FUNCTION


OPERATION

DISPLAY


COMPONENTS CONSUMPTIONS


In the submenu **COMPONENTS CONSUMPTIONS** are visualized the following data: the list of the components, the consumed quantity for each component and the available quantity.


The consumed quantities are calculated from the weighing indicator according to the loadings.


It is possible to insert the available quantities through numeric keyboard. Then confirm the operation by pressing .

It is possible to insert values from 0 to 99999.

If a printer is connected, by pressing the key  it is possible to print the consumed quantities for all the components.

To set at zero the consumed quantities of all the components, press the key .

Or, in case the user wants to set at zero the consumed quantity of a single component, it is necessary to place the marked cell on the wished component and press the key .

To exit from the submenu, press the key .

| COMPONENTS CONSUMPTIONS | | | |
|-------------------------|----------------|-----------|-----------|
| Nr. | COMPONENT NAME | Consumpt. | Available |
| 001 | Grass | 630 | 0 |
| 002 | Hay | 0 | 0 |
| 003 | Straw | 0 | 0 |
| 004 | Ensilad | 1857 | 0 |
| 005 | Feed | 919 | 0 |
| 006 | Flour | 0 | 0 |
| 007 | Corn | 881 | 0 |
| 008 | Water | 4199 | 0 |
| 009 | Mix | 1190 | 0 |
| 010 | Barley | 1292 | 0 |

| COMPONENTS CONSUMPTIONS | | | |
|-------------------------|----------------|-----------|-----------|
| Nr. | COMPONENT NAME | Consumpt. | Available |
| CONFIRM OPERATION!!! | | | |
| ⚠ | | | |
| RESET ALL CONSUMPTIONS? | | | |
| | | Enter | Esc |


| COMPONENTS CONSUMPTIONS | | | |
|-------------------------|----------------|-----------|-----------|
| Nr. | COMPONENT NAME | Consumpt. | Available |
| CONFIRM OPERATION!!! | | | |
| ⚠ | | | |
| RESET THE CONSUMPTION? | | | |
| | | Enter | Esc |


| COMPONENTS CONSUMPTIONS | | | |
|-------------------------|----------------|-----------|-----------|
| Nr. | COMPONENT NAME | Consumpt. | Available |
| 001 | Grass | 0 | 0 |
| 002 | Hay | 0 | 0 |
| 003 | Straw | 0 | 0 |
| 004 | Ensilad | 0 | 0 |
| 005 | Feed | 0 | 0 |
| 006 | Flour | 0 | 0 |
| 007 | Corn | 0 | 0 |
| 008 | Water | 0 | 0 |
| 009 | Mix | 0 | 0 |
| 010 | Barley | 0 | 0 |

**COMPONENTS CONSUMPTIONS
COMPONENT PARAMETERS**

For each component it is possible to set an **ALARM FOR THE AVAILABLE QUANTITY**.

As soon as the available quantity of the component is lower than the set value, the weighing indicator points it out through an alarm. This alarm marks in black the n° of the component (“underquantity”) and a message appears in the window **ACTIVE ALARMS** in the **TOTAL WEIGHT**.

To access to the window **GROUPS PARAMETERS** press the key .

A window appears superimposed and it is possible to insert a value for the **EARLY PASSAGE** (through the numeric keyboard), Then confirm the value by pressing .


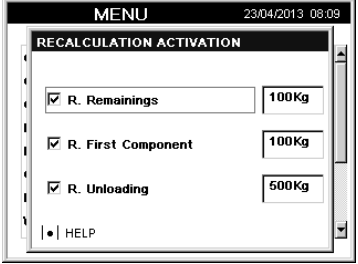

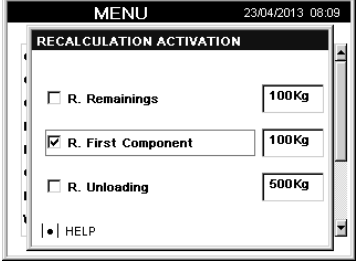


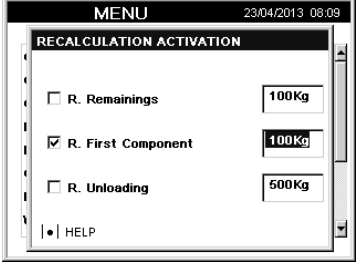
 = multiple modification of the parameter.



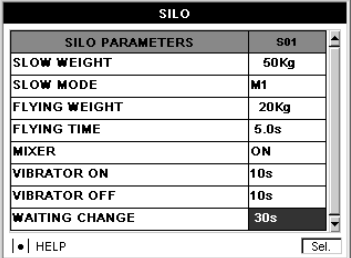
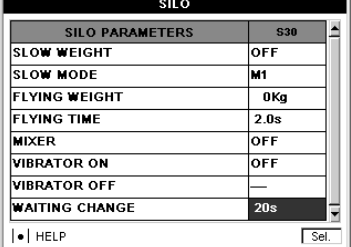
It is possible to insert values from 0 to 99999.



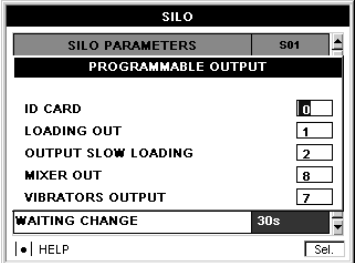
| COMPONENTS CONSUMPTIONS | | | |
|-------------------------|----------------|-----------|-----------|
| Nr. | COMPONENT NAME | Consumpt. | Available |
| 001 | Grass | 630 | 0 |
| 002 | Hay | 0 | 0 |
| 003 | Straw | 0 | 0 |



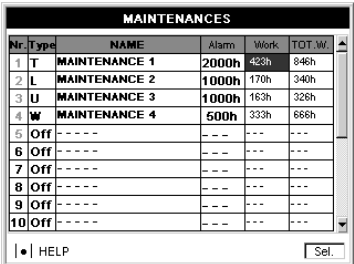
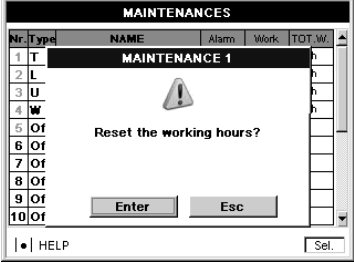
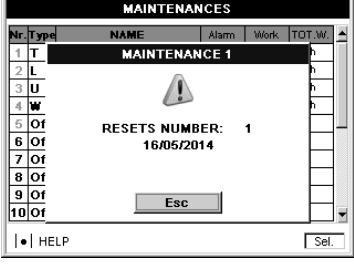


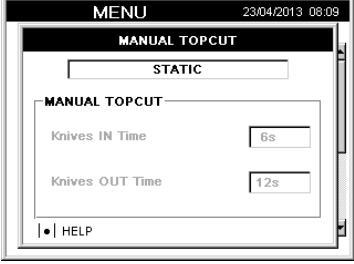
| COMPONENT PARAMETERS | |
|----------------------|--|
| 001: Grass | Available Quantity Alarm <input type="text" value="1000"/> |

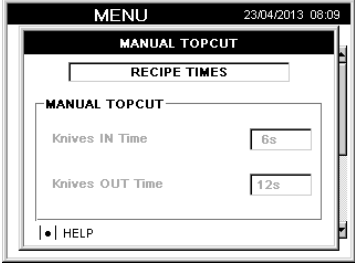



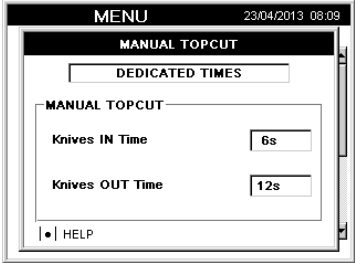

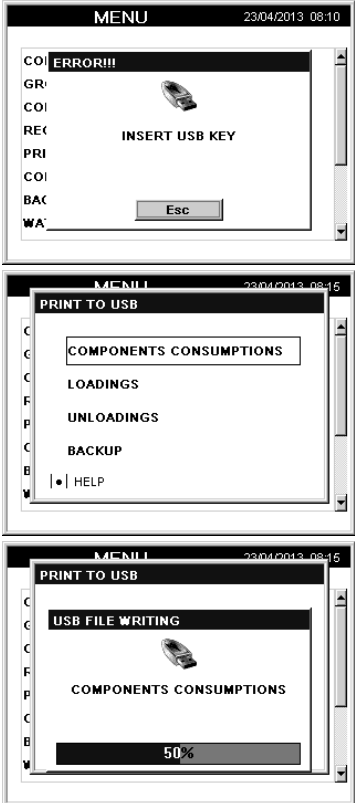
| COMPONENTS CONSUMPTIONS | | | |
|-------------------------|----------------|-----------|-----------|
| Nr. | COMPONENT NAME | Consumpt. | Available |
| 001 | Grass | 630 | 0 |
| 002 | Hay | 0 | 0 |
| 003 | Straw | 0 | 0 |
| 004 | Ensilad | 1857 | 0 |
| 005 | Feed | 919 | 0 |
| 006 | Flour | 0 | 0 |
| 007 | Corn | 881 | 0 |
| 008 | Water | 4199 | 0 |
| 009 | Mix | 1190 | 0 |
| 010 | Barley | 1292 | 0 |





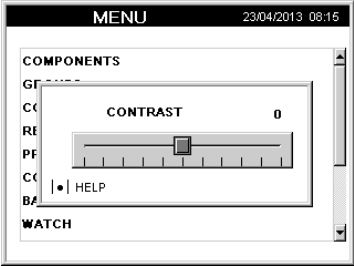




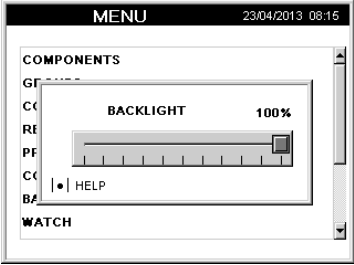





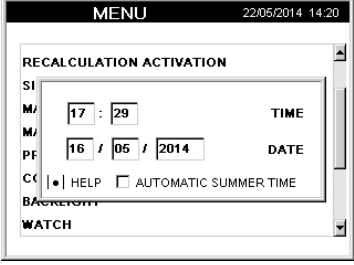

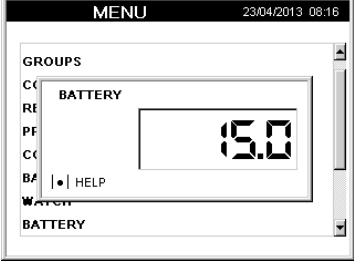
| FUNCTION | OPERATION | DISPLAY |
|--|---|---|
| <p><u>RECALCULATION ACTIVATION</u></p> | <p>The submenu RECALCULATION ACTIVATION gives the possibility to enable three recalculation modes.</p> <p>RECALCULATION REMAININGS: allows to recalculate in proportion the component quantities of the recipe during the loading, in case there's material remaining in the wagon.</p> <p>RECALCULATION FIRST COMPONENT: allows to recalculate in proportion the component quantities of the recipe during the loading, in case an exceeding quantity of the first component has been loaded.</p> <p>RECALCULATION UNLOADING: allows to recalculate in proportion the quantities for the unloading groups, in case exceeding quantities have been loaded.</p> <p>To leave the submenu, press .</p> |  |
| <p><u>RECALCULATION ACTIVATION</u></p> <p>Mode activation</p> | <p>In this submenu it is possible to:</p> <ul style="list-style-type: none"> ➤ enable/disable the three modes by shifting the cell on the flag on the left of the mode to change ➤ enable/disable the flag by pressing  <p>If the modes are active, it is possible to enable/disable them in the advanced parameters of each recipe.</p> <p>If the modes are disabled, they are visualized in the advanced parameters of each recipe, but it won't be possible to enable/disable them.</p> |  |
| <p><u>RECALCULATION ACTIVATION</u></p> <p>Recalculation thresholds</p> | <p>It is possible to enter threshold values, under which the recalculations are carried out.</p> <p>In order to set out the values:</p> <ul style="list-style-type: none"> ➤ place the cell on the threshold to change ➤ press  ➤ enter the threshold value ➤ confirm by pressing  <p><u>It is possible to enter values between 0 and 9999.</u></p> |  |




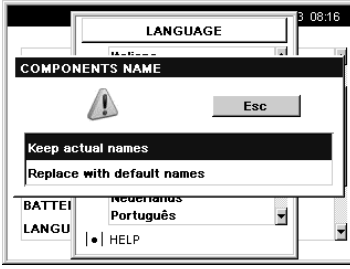




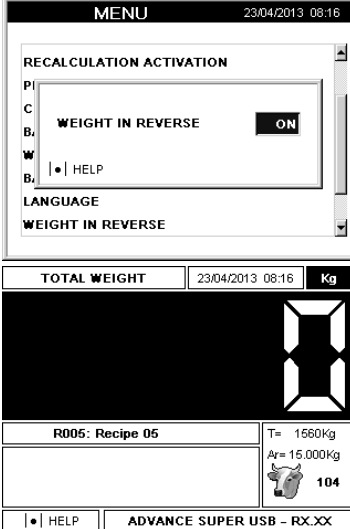
| FUNCTION | OPERATION | DISPLAY | | | | | | | | | | | | |
|---|--|---|-----|----|----|-----------|---|---|-----|-----------|-----|---|---|--|
| <p>SILO (Option)</p> | <p>In this submenu are memorized all the parameters of the silos for the components.</p> <p>It is possible to set to 30 silos.</p> <p>Press   to select the different SILO.</p> <p><i><u>NOTE: The modification of the parameters contained in this menu has to be carried out from specialized staff. In fact a wrong setting can compromise the correct functioning of the system.</u></i></p> |   | | | | | | | | | | | | |
| <p>SILO (Optional)</p> <p><u>Slow weight</u> <u>Slow mode</u></p> | <p>Through the parameter SLOW WEIGHT it is possible to set the remaining quantity of the component to load. It permits to activate the output of the slow weight (optional) and a more precise dosing.</p> <p><u>It is possible to introduce values from 0 to 9999.</u></p> <p>The parameters SLOW MODE permits the activation of the output of the slow weight. There are 3 different configurations:</p> <table border="1" data-bbox="456 1032 1075 1205"> <thead> <tr> <th></th> <th>M1</th> <th>M2</th> <th>M3</th> </tr> </thead> <tbody> <tr> <td>FAST LOAD</td> <td>V</td> <td>V</td> <td>V+L</td> </tr> <tr> <td>SLOW LOAD</td> <td>V+L</td> <td>L</td> <td>L</td> </tr> </tbody> </table> | | M1 | M2 | M3 | FAST LOAD | V | V | V+L | SLOW LOAD | V+L | L | L | |
| | M1 | M2 | M3 | | | | | | | | | | | |
| FAST LOAD | V | V | V+L | | | | | | | | | | | |
| SLOW LOAD | V+L | L | L | | | | | | | | | | | |
| <p>SILO (Optional)</p> <p><u>Flying weight</u> <u>Flying time</u></p> | <p>Through the parameter FLYING WEIGHT is set the remaining quantity of the component to load. It permits to deactivate the outputs of distribution.</p> <p>If we set the value 0, the Flying weight is deactivated.</p> <p><u>It is possible to insert values from 0 to 9999.</u></p> <p>The parameter FLYING TIME permits to set a time, during which the system waits for the exhaustion of the Flying weight.</p> <p>If we set the value 0, the Flying weight is deactivated.</p> | | | | | | | | | | | | | |
| <p>SILO (Optional)</p> <p><u>Mixer</u></p> | <p>The parameter MIXER permits to set the activation of the mixer of the SILO during the loading of the component.</p> | | | | | | | | | | | | | |



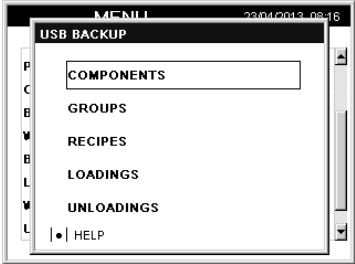


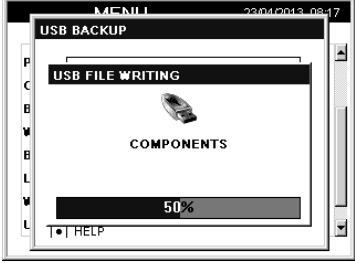
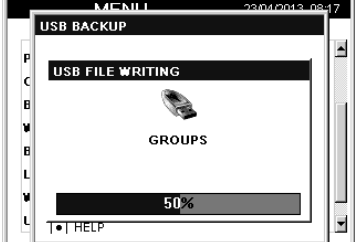
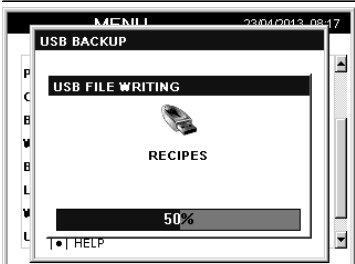
| FUNCTION | OPERATION | DISPLAY |
|--|---|--|
| <p><u>SILO</u> <i>(Optional)</i></p> <p><u>Vibrator ON</u> <u>Vibrator OFF</u></p> | <p>The parameter VIBRATOR ON determines the presence of a vibrator for the SILO and its activation (in seconds).</p> <p>If the user set "VIBRATOR ON" on OFF, the vibrators deactivated.</p> <p><u>It is possible to introduce values from 0 to 99.</u></p> <p>The parameter VIBRATOR OFF permits to set its deactivation time in seconds.</p> <p><u>It is possible to introduce values from 0 to 99.</u></p> | |
| <p><u>SILO</u> <i>(Optional)</i></p> <p><u>Waiting change</u></p> | <p>If the manufacturer has activated the check of the EMPTYING WEIGTH VARIATION through the parameter WAITING CHANGE, it is possible to set the time (in seconds). If the weight doesn't change within this time, the system shows an alarm.</p> <p><u>It is possible to set values from 0 to 300.</u></p> | |
| <p><u>SILO</u> <i>(Optional)</i></p> <p><u>Programmable outputs</u></p> | <p>It is possible to set the board and the outputs associated to each SILO.</p> <p>Press the key  to verify the correct connection/setting of the output on the board.</p> <p>To access to the window GROUPS PARAMTER press .</p> <p><i><u>NOTE: The modification of the parameters contained in this menu has to be carried out from specialized staff. In fact a wrong setting can compromise the correct functioning of the system.</u></i></p> |  |


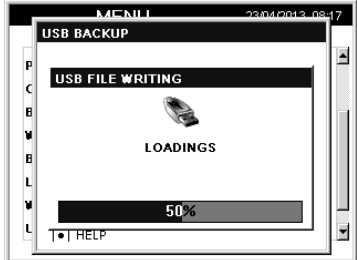
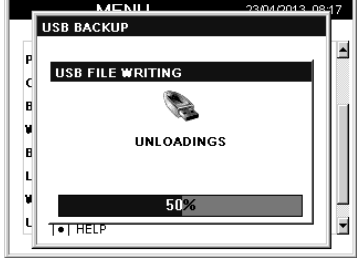





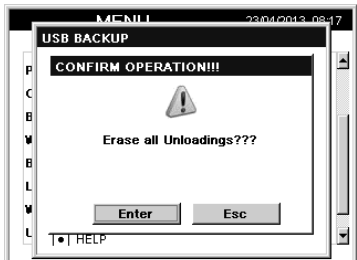

| FUNCTION | OPERATION | DISPLAY |
|---|---|--|
| <p><u>MAINTENANCES</u> <i>(Optional)</i></p> | <p>If the manufacturer has activated the function MAINTENANCES in this submenu, it is possible to visualize the maintenances set for the weighing computer.</p> <p>For each maintenance the following data are defined:</p> <ul style="list-style-type: none"> Type of maintenances (time-recorder with) <ul style="list-style-type: none"> T: device switched on L: device during the loading U: device during the unloading W: device during loading/unloading Name of the maintenance Hours of alarm Working time spent from the last zeroing Total spent working time <p>For each maintenance it is possible:</p> <ul style="list-style-type: none"> To set at zero the working time spent from the last zeroing (but not the total spent working time) by pressing  To visualize the quantity of the zeroings for each maintenance by pressing  <p><i>NOTE: it is not possible to change the maintenances set from the manufacturer.</i></p> |    |
| <p><u>MANUAL TOPCUT</u> <i>(by request)</i></p> | <p>The submenu MANUAL TOPCUT is visualized only if the weighing computer is arranged for the function TOPCUT. It allows to select the mode MANUAL TOPCUT, which can be enabled from the screens TOTAL WEIGHT and PARTIAL WEIGHT.</p> <p>It is possible to change the functioning mode by shifting the cell with the arrow keys  .</p> | |
| <p><u>MANUAL TOPCUT</u> <i>(by request)</i></p> <p><i>Static</i></p> | <p>The STATIC mode doesn't allow to set out the times Knives IN and OUT, as from the screens TOTAL WEIGHT and PARTIAL WEIGHT the knives are enabled/disabled with the mode.</p> <p>Enabling = Knives IN Disabling = Knives OUT</p> |  |




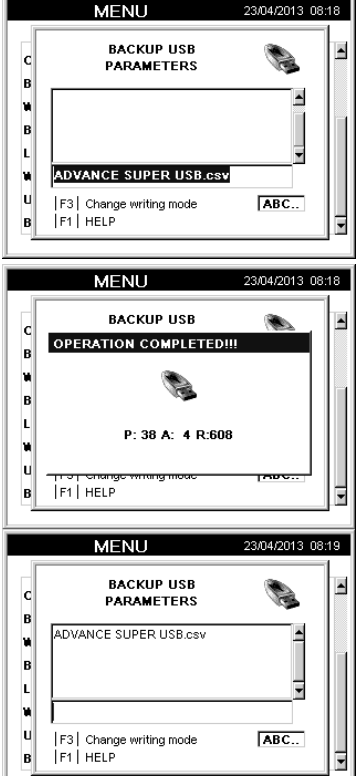
| FUNCTION | OPERATION | DISPLAY |
|--|---|--|
| <p><u>MANUAL TOPCUT</u> <i>(by request)</i></p> <p><i>Recipe times</i></p> | <p>The mode RECIPE TIMES doesn't allow to set out the times Knives IN and OUT, as they get the values set out in the advanced parameters of the recipes.</p> |  |
| <p><u>MANUAL TOPCUT</u> <i>(by request)</i></p> <p><i>Dedicated times</i></p> | <p>The mode DEDICATED TIMES allows to set out independent times for Knives IN and OUT for the selected recipe. In order to set out the values:</p> <ul style="list-style-type: none"> ➤ place the cell on the Knives time to change ➤ enter the value by means of the numeric keyboard ➤ confirm by pressing  ➤ confirm by pressing  <p>To leave the submenu, press .</p> <p><u>It is possible to enter values between 5 and 999.</u></p> |  |
| <p><u>PRINT TO USB</u></p> | <p>The submenu PRINT TO USB is visualized only if it has been previously enabled through code.</p> <p>It is possible to access the menu only when the USB pendrive is put into the scale. Otherwise, the error message ERROR!!! INSERT USB KEY will appear on the display.</p> <p>The submenu allows the print to USB of following information:</p> <ul style="list-style-type: none"> ➤ components consumptions ➤ last loading operations ➤ last unloading operations ➤ backup of all loading and unloading operations present in the weighing computer <p>To leave the submenu, press .</p> |  |

| FUNCTION | OPERATION | DISPLAY |
|--------------------------------|---|---|
| <p><u>CONTRAST</u></p> | <p>In the submenu CONTRAST it is possible to set out the contrast level of the LCD display.</p> <p>Use the arrows  </p> <p>Press  to save the changes, or  to leave the submenu without saving any change.</p> |  |
| <p><u>BACKLIGHT</u></p> | <p>In the submenu BACKLIGHT it is possible to set out the level of luminosity of the LCD display.</p> <p>Use the arrows   to adjust the luminosity of the display.</p> <p>Press  to save the changes, or  to leave the submenu without saving any change.</p> |  |
| <p><u>WATCH</u></p> | <p>In the submenu WATCH it is possible to set out the date and time of the weighing computer.</p> <p>Press  to enter the changing mode.</p> <p>Use the numeric keyboard to change the values of this menu, and   to move between the slots.</p> <p>Press  to save the changes, or  to leave the submenu without saving any change.</p> <p><i><u>NOTE: it is possible to activate the automatic change of the summer time.</u></i></p> |  |
| <p><u>BATTERY</u></p> | <p>The submenu BATTERY shows the supply tension of the weighing computer.</p> <p>To leave the submenu, press .</p> |  |

| FUNCTION | OPERATION | DISPLAY |
|--|--|--|
| <p><u>LANGUAGE</u></p> | <p>In the submenu LANGUAGE it is possible to set out the language used by the weighing computer.</p> <p>Place the cell on the wished language, and press  to confirm the change of the language.</p> <p>To leave the submenu, press .</p> |  |
| <p><u>LANGUAGE</u> Default Set</p> | <p>When the language used by the weighing computer is changed, it is also possible to change the Default Set of the component names of the new selected language.</p> <p>Changing the names implies changing the name of the components in all programmed recipes.</p> <p><i><u>NOTE: Pay attention before to confirm the substitution of the components name with the Default set.</u></i></p> |  |
| <p><u>WEIGHT IN REVERSE</u></p> | <p>In the submenu WEIGHT IN REVERSE it is possible to set out the "Reverse" visualization of the weight values.</p> <p>In order to modify the visualization setting "Weight in reverse" from ON to OFF, and viceversa, use the keys  .</p> <p>Press  to save the changes, or  to leave the submenu without saving any change.</p> |  |

| FUNCTION | OPERATION | DISPLAY |
|---|--|---|
| <p><u>USB BACKUP</u></p> | <p>As already mentioned, the weighing computer Advance Super USB can work with the program SUPER DATA MIX or PTM MANAGEMENT, which allows the exchange of programmings and loading and unloading data, the best management of the quantities of material, and the control on the operator's work on the wagon.</p> <p>In order to export loading and unloading data, as well as changes made on groups and recipes, get in the total weight menu and put the USB pendrive in the specific connector.</p> <p>If the communication between scale and software fails, and data go lost, they can be retrieved as backup data from the internal memory of the scale.</p> <p>In the submenu USB BACKUP it is possible to carry out the manual export of all data regarding components, groups, recipes, loadings and unloadings.</p> <p>It is possible to access the menu only when the USB pendrive is put into the scale. Otherwise, the error message ERROR!!! INSERT USB KEY will appear on the display.</p> <p style="text-align: center;"></p> <p>To leave the submenu, press .</p> |   |
| <p><u>USB BACKUP</u></p> <p>Components Groups Recipes</p> | <p>The export of data regarding components, groups and recipes allows the programs SUPER DATA MIX or PTM MANAGEMENT to import changes, which could have been made on the weighing computer.</p> <p>Place the cell on the position to export, and press  to confirm the file export.</p> <p>After confirming, the message of file writing on the USB pendrive appears on the display.</p> |    |

| FUNCTION | OPERATION | DISPLAY |
|--|--|---|
| <p><u>USB BACKUP</u></p> <p>Loadings Unloadings</p> | <p>The export of data regarding loadings and unloadings can be useful, in case of failure of the import operation made by the programs SUPER DATA MIX or PTM MANAGEMENT, or in case of damage or loss of the USB pendrive.</p> <p>Place the cell on the position to export, and press  to confirm the file export.</p> <p>After confirming, the message of file writing on the USB pendrive appears on the display.</p> <p>The weighing computer can store up to 800 loading and unloading operations.</p> |   |
| <p><u>USB BACKUP</u></p> <p>Erasing Loading Backup</p> | <p>This operation allows the COMPLETE cancellation of all loading backup data, which are stored in the internal memory of the weighing computer.</p> <p>Place the cell on the position LOADINGS.</p> <p>Press   at the same time for 5 seconds.</p> <p>At the end of the erasing operation, the colour of the position becomes light grey.</p> <p><i><u>ATTENTION: the erasing operation of the backup is IRREVERSIBLE; if confirmed, it leads to the cancellation of all backup data.</u></i></p> |  |
| <p><u>USB BACKUP</u></p> <p>Erasing Unloading Backup</p> | <p>This operation allows the COMPLETE cancellation of all unloading backup data, which are stored in the internal memory of the weighing computer.</p> <p>Place the cell on the position UNLOADINGS.</p> <p>Press   at the same time for 5 seconds.</p> <p>At the end of the erasing operation, the colour of the position becomes light grey.</p> <p><i><u>ATTENTION: the erasing operation of the backup is IRREVERSIBLE; if confirmed, it leads to the cancellation of all backup data.</u></i></p> |   |

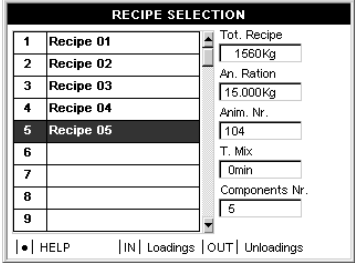
| FUNCTION | OPERATION | DISPLAY |
|--|---|--|
| <p><u>BACKUP USB PARAMETERS</u></p> | <p>In the submenu BACKUP USB PARAMETERS it is possible to export all parameters and settings of the weighing computer to a USB pendrive.</p> <p>Please note that this operation is needed to store all scale parameters on an external device, in order to be able to use the parameters again, in case of need.</p> <p>The backup of the parameters on USB must be carried out in case of replacement of the scale, so that the new scale can be configured with the same parameters and calibrations of the previous one.</p> <p>Please, remember that the file of the parameters created by the weighing computer must NOT be modified in any way.</p> <p>It is possible to access the menu only when the USB pendrive is put into the scale. Otherwise, the error message ERROR!!! INSERT USB KEY will appear on the display.</p> |  |
| <p><u>BACKUP USB PARAMETERS</u></p> <p>Saving the file</p> | <p>After entering the submenu, enter the name of the file which is going to be created by means of the numeric keyboard, and press  to start the backup operation.</p> <p>After starting the operation, a waiting screen appears; after some seconds, the scale rings out a sound, and a new screen appears, showing the number of parameters saved in the .CSV file.</p> <p>The backup operation is now complete.</p> <p>To leave the submenu, press .</p> <p><i><u>ATTENTION: in order to prevent mistakes, do not remove the USB pendrive from its connector during the download of the backup.</u></i></p> <p><i><u>The weighing computer is configured to carry out the backup parameters automatically every 30 days.</u></i></p> |  |

PROGRAMMING

The recipes of the weighing computer Advance Super USB can be programmed by means of the software **SUPER DATA MIX, PTM MANAGEMENT**, or on the weighing computer directly.

The menus involved in the recipe programming are **TOTAL WEIGHT, RECIPE SELECTION, LOADING PROGRAMMING** and **UNLOADING PROGRAMMING**.

RECIPE SELECTION

| FUNCTION | OPERATION | DISPLAY |
|---------------------------------------|--|--|
| <p><u>RECIPE SELECTION</u></p> | <p>In the menu RECIPE SELECTION it is possible to modify, create, copy and erase the recipes depending on the needs.</p> <p>On the left side of the screen there is the list of all recipes in order of creation, while on the right side of the screen there are the recap details of the recipe:</p> <ul style="list-style-type: none"> ➤ <u>TOT. RECIPE</u>: total amount of material to load on the wagon ➤ <u>AN. RATION</u>: ration amount per each animal ➤ <u>ANIM. NR.</u>: number of the animals fed with this recipe ➤ <u>T. MIX</u>: remaining mixing time, counted down after the loading of the last component of the recipe ➤ <u>COMPONENTS NR.</u>: number of components of the recipe <p>In the menu RECIPE SELECTION it is possible to:</p> <ul style="list-style-type: none"> ➤ Create a new recipe ➤ Modify an existing recipe ➤ Duplicate a recipe (copy and paste) ➤ Erase a recipe |  |

FUNCTION





OPERATION

DISPLAY

RECIPE SELECTION

New recipe

In order to create a new recipe:

- Place the cell on the first empty line
- press  to access the submenu **LOADING PROGRAMMING** of the new recipe, then press  to go back to recipe selection
- press  to access the submenu **UNLOADING PROGRAMMING** of the new recipe, then press  to go back to recipe selection

ATTENTION: for more detailed information, see section **NEW RECIPE**

| RECIPE SELECTION | |
|------------------|-----------|
| 1 | Recipe 01 |
| 2 | Recipe 02 |
| 3 | Recipe 03 |
| 4 | Recipe 04 |
| 5 | Recipe 05 |
| 6 | |
| 7 | |
| 8 | |
| 9 | |

Tot. Recipe: 0Kg
An. Ration: 0.000Kg
Anim. Nr.: 0
T. Mix: 0min
Components Nr.: 0

|•| HELP |IN| Loadings |OUT| Unloadings

| LOADING PROGRAMMING | |
|---------------------|---------|
| R006: | 0 |
| Tot. Recipe: | 0Kg |
| An. Ration: | 0.000Kg |

| LOADING | WEIGHT | A% | A | TOTAL |
|---------|--------|----|---|-------|
| 01: | 0.000 | 15 | A | 0.000 |
| 02: | 0.000 | 15 | A | 0.000 |
| 03: | 0.000 | 15 | A | 0.000 |
| 04: | 0.000 | 15 | A | 0.000 |
| 05: | 0.000 | 15 | A | 0.000 |
| 06: | 0.000 | 15 | A | 0.000 |

|•| HELP |Sel.

| UNLOAD PROGRAMMING | |
|--------------------|---|
| R006: | 0 |





| UNLOAD | A. N. | V% | A% | A |
|---------|-------|----|----|---|
| 01: --- | | | 15 | A |
| 02: --- | | | 15 | A |
| 03: --- | | | 15 | A |
| 04: --- | | | 15 | A |
| 05: --- | | | 15 | A |
| 06: --- | | | 15 | A |
| 07: --- | | | 15 | A |
| 08: --- | | | 15 | A |

|•| HELP |Sel.

RECIPE SELECTION

Changing the recipe

In order to modify an existing recipe:

- Place the cell on the recipe to change
- press  to access the submenu **LOADING PROGRAMMING** of the recipe to change, then press  to go back to recipe selection
- press  to access the submenu **UNLOADING PROGRAMMING** of the recipe to change, then press  to go back to recipe selection

ATTENTION: for more detailed information, see section **CHANGE RECIPE**

| RECIPE SELECTION | |
|------------------|-----------|
| 1 | Recipe 01 |
| 2 | Recipe 02 |
| 3 | Recipe 03 |
| 4 | Recipe 04 |
| 5 | Recipe 05 |
| 6 | |
| 7 | |
| 8 | |
| 9 | |

Tot. Recipe: 1560Kg
An. Ration: 15.000Kg
Anim. Nr.: 104
T. Mix: 0min
Components Nr.: 5

|•| HELP |IN| Loadings |OUT| Unloadings

| LOADING PROGRAMMING | |
|---------------------|-----------|
| R005: | Recipe 05 |
| Tot. Recipe: | 1560Kg |
| An. Ration: | 15.000Kg |

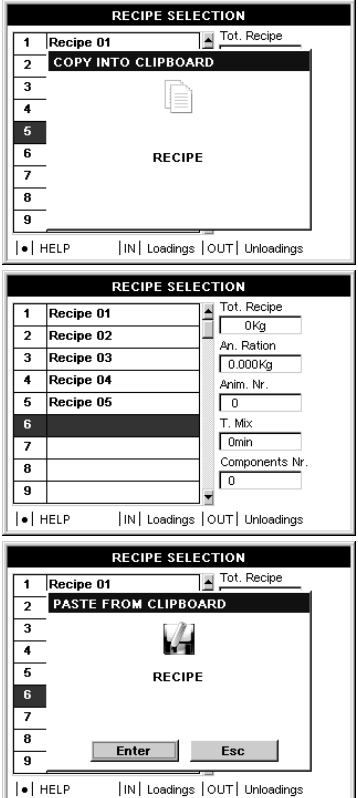
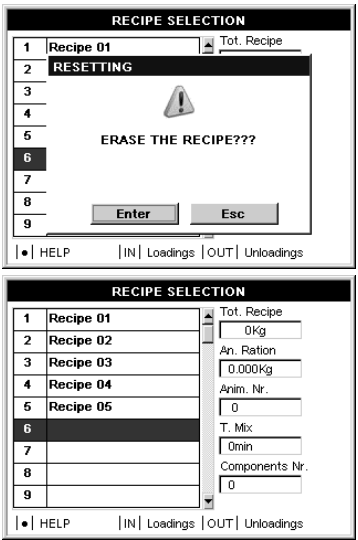
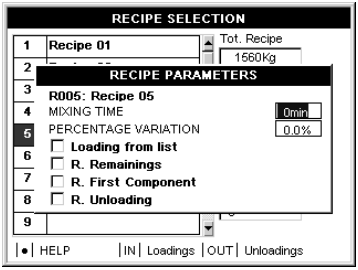
| LOADING | WEIGHT | A% | A | TOTAL |
|-------------|--------|----|---|-------|
| 01: Grass | 1.000 | 15 | A | 1.000 |
| 02: Ensiled | 2.000 | 15 | A | 2.000 |
| 03: Water | 3.000 | 15 | A | 3.000 |
| 04: Barley | 4.000 | 15 | A | 4.000 |
| 05: Feed | 5.000 | 15 | A | 5.000 |
| 06: | 0.000 | 15 | A | 0.000 |


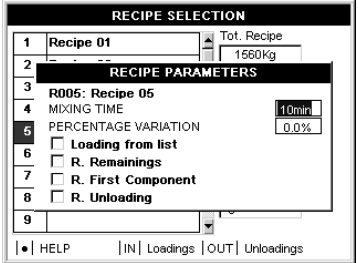


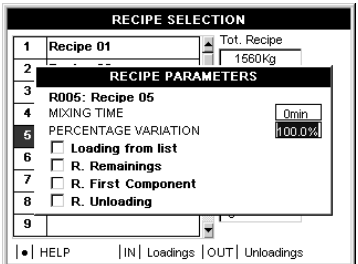
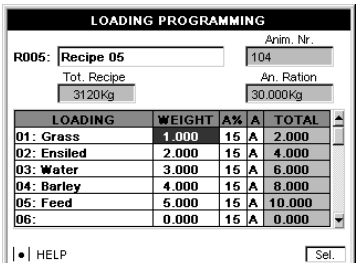

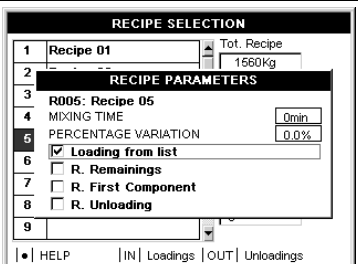
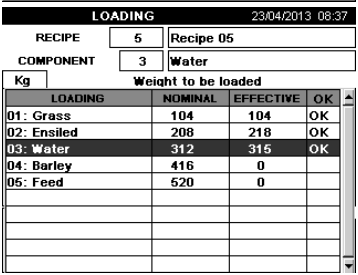
|•| HELP |Sel.


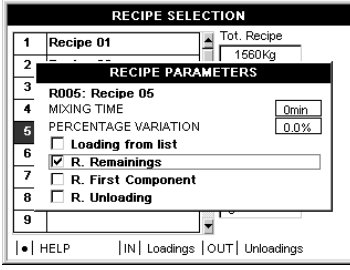
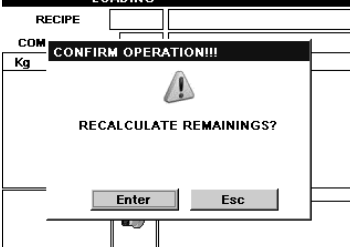

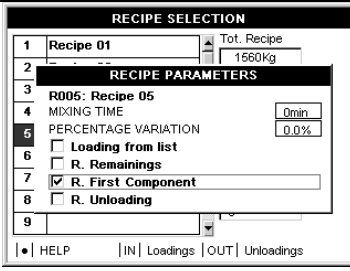


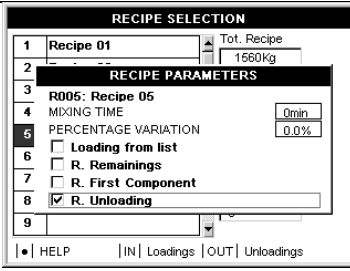
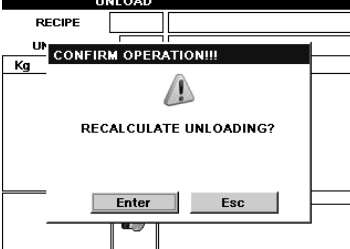
| UNLOAD PROGRAMMING | |
|--------------------|-----------|
| R005: | Recipe 05 |
| Anim. Nr.: | 104 |

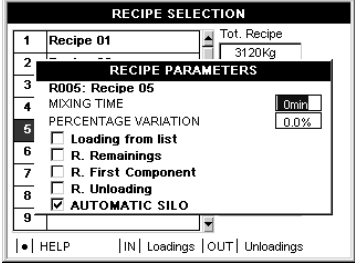

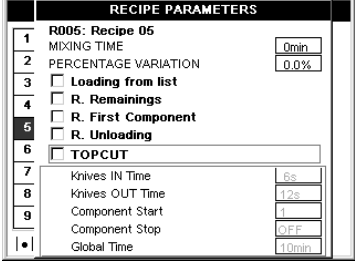

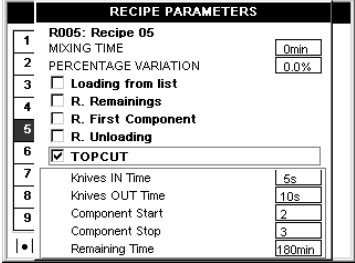

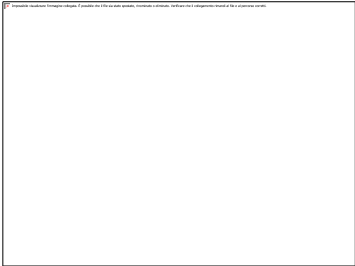
| UNLOAD | A. N. | V% | A% | A |
|--------------|-------|----|----|---|
| 01: Group 01 | 4 | 0 | 15 | A |
| 02: Group 02 | 7 | 0 | 15 | A |
| 03: Group 03 | 19 | 0 | 15 | A |
| 04: Group 04 | 74 | 0 | 15 | A |
| 05: --- | | | 15 | A |
| 06: --- | | | 15 | A |
| 07: --- | | | 15 | A |
| 08: --- | | | 15 | A |


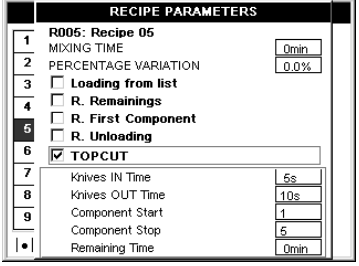

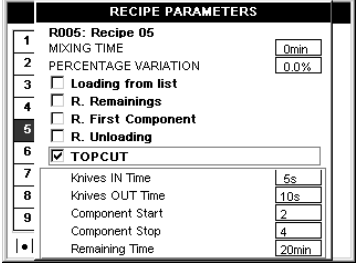
|•| HELP |Sel.

| FUNCTION | OPERATION | DISPLAY |
|--|---|---|
| <p>RECIPE SELECTION</p> <p>Copying the recipe</p> | <p>In order to copy an existing recipe:</p> <ul style="list-style-type: none"> ➤ Place the cell on the recipe to copy ➤ press F3 to save a copy of the recipe in the memory ➤ place the cell on the first empty line ➤ press F4 to paste the copied recipe ➤ confirm by pressing Enter, or cancel the operation by pressing Esc ➤ if needed, change the name by pressing IN to access the submenu LOADING PROGRAMMING |  |
| <p>RECIPE SELECTION</p> <p>Erasing the recipe</p> | <p>In order to erase an existing recipe:</p> <ul style="list-style-type: none"> ➤ Place the cell on the recipe to erase ➤ press 0 to erase the recipe from the memory ➤ confirm by pressing Enter, or cancel the operation by pressing Esc <p><i>ATTENTION: by confirming the erasing operation, the recipe will be completely cancelled, and it won't be possible to retrieve it in any way.</i></p> |  |
| <p>RECIPE SELECTION</p> <p>RECIPE PARAMETERS</p> | <p>In order to access the advanced parameters of a recipe:</p> <ul style="list-style-type: none"> ➤ place the cell on the wished recipe ➤ press Menu to visualize the screen of the advanced parameters <p>If the recalculation modes are disabled in the submenu RECALCULATION ACTIVATION, it is not possible to change them in the advanced parameters of the recipe, and flag and description of the parameter will be displayed as light grey.</p> |  |

| FUNCTION | OPERATION | DISPLAY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|---|---------|---------|-----------|----|-----------|-----------|-------|----|-------------|-------|-------------|-------|-----------|-----|-------|-----------|------------|-----|---|-------|------------|-------|----|---|-------|----------|-------|----|---|--------|-----|-------|----|---|-------|
| <p>RECIPE SELECTION RECIPE PARAMETERS</p> <p>Mixing time</p> | <p>Remaining mixing time, counted down after the loading of the last component of the recipe.</p> <p>To change the parameter MIXING TIME, use the numeric keyboard and confirm the entry by pressing .</p> <p>It is possible to enter values between 0 and 60.</p> |   | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>RECIPE SELECTION RECIPE PARAMETERS</p> <p>Percentage variation</p> | <p>Percentage variation on the quantity of the components to load.</p> <p>Changing this parameter leads to changing the values present in the column "Total" of the Loading Programming, which are calculated considering the original values of the column "Weight", with consequent increase or decrease of the total to load.</p> <p>To change the parameter PERCENTAGE VARIATION, use the numeric keyboard and confirm the entry by pressing .</p> <p>It is possible to enter values between -90 and 100.</p> |   <table border="1" data-bbox="1141 1097 1500 1220"> <thead> <tr> <th>LOADING</th> <th>WEIGHT</th> <th>A%</th> <th>A</th> <th>TOTAL</th> </tr> </thead> <tbody> <tr> <td>01: Grass</td> <td>1.000</td> <td>15</td> <td>A</td> <td>2.000</td> </tr> <tr> <td>02: Ensiled</td> <td>2.000</td> <td>15</td> <td>A</td> <td>4.000</td> </tr> <tr> <td>03: Water</td> <td>3.000</td> <td>15</td> <td>A</td> <td>6.000</td> </tr> <tr> <td>04: Barley</td> <td>4.000</td> <td>15</td> <td>A</td> <td>8.000</td> </tr> <tr> <td>05: Feed</td> <td>5.000</td> <td>15</td> <td>A</td> <td>10.000</td> </tr> <tr> <td>06:</td> <td>0.000</td> <td>15</td> <td>A</td> <td>0.000</td> </tr> </tbody> </table> | LOADING | WEIGHT | A% | A | TOTAL | 01: Grass | 1.000 | 15 | A | 2.000 | 02: Ensiled | 2.000 | 15 | A | 4.000 | 03: Water | 3.000 | 15 | A | 6.000 | 04: Barley | 4.000 | 15 | A | 8.000 | 05: Feed | 5.000 | 15 | A | 10.000 | 06: | 0.000 | 15 | A | 0.000 |
| LOADING | WEIGHT | A% | A | TOTAL | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 01: Grass | 1.000 | 15 | A | 2.000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 02: Ensiled | 2.000 | 15 | A | 4.000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 03: Water | 3.000 | 15 | A | 6.000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 04: Barley | 4.000 | 15 | A | 8.000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 05: Feed | 5.000 | 15 | A | 10.000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 06: | 0.000 | 15 | A | 0.000 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>RECIPE SELECTION RECIPE PARAMETERS</p> <p>Loading from list</p> | <p>In this mode the components are not loaded according to the order set out in the menu LOADING PROGRAMMING, but leaving the operator the chance to select them from a list containing all components to load.</p> <p>In order to activate the LOADING FROM LIST, place the cell on the flag and press .</p> |   <table border="1" data-bbox="1141 1624 1500 1803"> <thead> <tr> <th>LOADING</th> <th>NOMINAL</th> <th>EFFECTIVE</th> <th>OK</th> </tr> </thead> <tbody> <tr> <td>01: Grass</td> <td>104</td> <td>104</td> <td>OK</td> </tr> <tr> <td>02: Ensiled</td> <td>208</td> <td>218</td> <td>OK</td> </tr> <tr> <td>03: Water</td> <td>312</td> <td>315</td> <td>OK</td> </tr> <tr> <td>04: Barley</td> <td>416</td> <td>0</td> <td></td> </tr> <tr> <td>05: Feed</td> <td>520</td> <td>0</td> <td></td> </tr> </tbody> </table> | LOADING | NOMINAL | EFFECTIVE | OK | 01: Grass | 104 | 104 | OK | 02: Ensiled | 208 | 218 | OK | 03: Water | 312 | 315 | OK | 04: Barley | 416 | 0 | | 05: Feed | 520 | 0 | | | | | | | | | | | | |
| LOADING | NOMINAL | EFFECTIVE | OK | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 01: Grass | 104 | 104 | OK | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 02: Ensiled | 208 | 218 | OK | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 03: Water | 312 | 315 | OK | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 04: Barley | 416 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 05: Feed | 520 | 0 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| FUNCTION | OPERATION | DISPLAY |
|---|---|---|
| <p>RECIPE SELECTION RECIPE PARAMETERS</p> <p>Recalculation remainings</p> | <p>When this parameter is active, remainings of material at the beginning of the loading are considered as quantity of recipe already loaded.</p> <p>Therefore, the component quantities to load are recalculated, so that the weight value at the end of the loading is equal to the programmed value.</p> <p>The parameter RECALCULATION REMAININGS can be set out, only if activated in the menu RECALCULATION ACTIVATION.</p> <p>In order to modify it, place the cell on the flag and press .</p> |   |
| <p>RECIPE SELECTION RECIPE PARAMETERS</p> <p>R. First Component</p> | <p>When this parameter is active, the manual passage is activated during the loading of the component, in order to measure the loaded quantity; at the end of the loading the system asks for confirmation, in order to carry out the recalculation.</p> <p>By confirming the recalculation of the first component, the quantities to load of all remaining components are recalculated according to the variation of the loaded quantity of the first component.</p> <p>The parameter RECALCULATION FIRST COMPONENT can be set out, only if activated in the menu RECALCULATION ACTIVATION.</p> <p>In order to modify it, place the cell on the flag and press .</p> |   |
| <p>RECIPE SELECTION RECIPE PARAMETERS</p> <p>R. Unloading</p> | <p>When this parameter is active, the quantities to unload are recalculated according to the value measured in the menu Total Weight.</p> <p>The parameter RECALCULATION UNLOADING can be set out, only if activated in the menu RECALCULATION ACTIVATION.</p> <p>In order to modify it, place the cell on the flag and press .</p> |   |

| FUNCTION | OPERATION | DISPLAY |
|--|--|---|
| <p>RECIPE SELECTION RECIPES PARAMETERS</p> <p>SILO <i>(Optional)</i></p> | <p>If the weighing indicator has activated the function SILO, in the window of the advanced parameters it is possible to activate the management of the automatic loading of the components from the silo (for the recipe).</p> |  |
| <p>RECIPE SELECTION RECIPE PARAMETERS</p> <p>TOPCUT <i>(by request)</i></p> | <p>If the weighing computer is arranged for the TOPCUT function, the screen of advanced parameters will also display the advanced parameters regarding the AUTOMATIC TOPCUT of the recipe.</p> <p>In order to enable the TOPCUT function (knives for grinding the material in the mixer wagon during the loading operation), place the cell on the flag and press .</p> <p>After enabling this function, it is also possible to set out the other parameters.</p> |  |
| <p>RECIPE SELECTION RECIPE PARAMETERS</p> <p>TOPCUT <i>(by request)</i></p> <p>Knives IN time Knives OUT time</p> | <p>The times Knives IN and OUT indicate the time for which the knives remain inside or outside the wagon during the loading operation.</p> <p>To change KNIVES IN TIME or KNIVES OUT TIME, use the numeric keyboard and confirm the entry by pressing .</p> <p><u>The maximum time value which can be set out is 999 seconds.</u></p> |  |
| <p>RECIPE SELECTION RECIPE PARAMETERS</p> <p>TOPCUT <i>(by request)</i></p> <p>Mode according to time</p> | <p>In this functioning mode, the Topcut starts at the beginning of the loading, and remains active for the overall Global time.</p> <p>To change the parameters, use the numeric keyboard and confirm the entry by pressing .</p> <p><u>Start Component = 1</u> <u>Stop Component = 0 (OFF)</u> <u>The value of Global time which can be set out is included between 1 and 180 minutes</u></p> |  |

| FUNCTION | OPERATION | DISPLAY |
|--|---|---|
| <p>RECIPE SELECTION RECIPE PARAMETERS</p> <p>TOPCUT <i>(by request)</i></p> <p>Mode according to components</p> | <p>In this functioning mode, the Topcut is activated for the components included between the Start and the Stop component, and stops at the end of the loading of the stop component.</p> <p>To change the parameters, use the numeric keyboard and confirm the entry by pressing .</p> <p><u>Start Component = component TOPCUT start</u> <u>Stop Component = component TOPCUT stop</u> <u>Remaining time must be set out as 0.</u></p> |  |
| <p>RECIPE SELECTION RECIPE PARAMETERS</p> <p>TOPCUT <i>(by request)</i></p> <p>Mode according to time/components</p> | <p>In this functioning mode, the Topcut is activated for the components included between the Start and the Stop component. After loading the Stop component, the Topcut remains active for the remaining time set out.</p> <p>To change the parameters, use the numeric keyboard and confirm the entry by pressing .</p> <p><u>Start Component = component TOPCUT start</u> <u>Stop Component = component TOPCUT stop</u> <u>The value of Remaining Time which can be set out is included between 1 and 180 minutes.</u></p> |  |

LOADING PROGRAMMING

The screen **LOADING PROGRAMMING** shows following information regarding the loading:

| LOADING | WEIGHT | A% | A | TOTAL |
|-------------|--------|----|---|-------|
| 01: Grass | 1.000 | 15 | M | 1.000 |
| 02: Ensiled | 2.000 | 15 | M | 2.000 |
| 03: Water | 3.000 | 15 | M | 3.000 |
| 04: Barle | 4.000 | 15 | M | 4.000 |
| 05: Feed | 5.000 | 15 | M | 5.000 |
| 06: | 0.000 | 15 | M | 0.000 |

1. **R005:** name associated to the recipe selected (e.g. cows, dry, lactation, etc.)
2. **ANIM. NR.:** total number of animals fed with the recipe
3. **AN. RATION:** ration per animal of the recipe
4. **TOT. RECIPE:** total quantity to load for this recipe. The value results from the calculation *Number of animals x Animal ration*.
5. **LOADING:** loading order of the different components
6. **WEIGHT:** quantity to load per animal for each single component
7. **A%:** residual percentage quantity of the component to load, from which the alarm starts to ring out
8. **A:** passage mode from a component to the next (Automatic or Manual)
9. **TOTAL:** quantity to load per animal for each single component in case of percentage variations

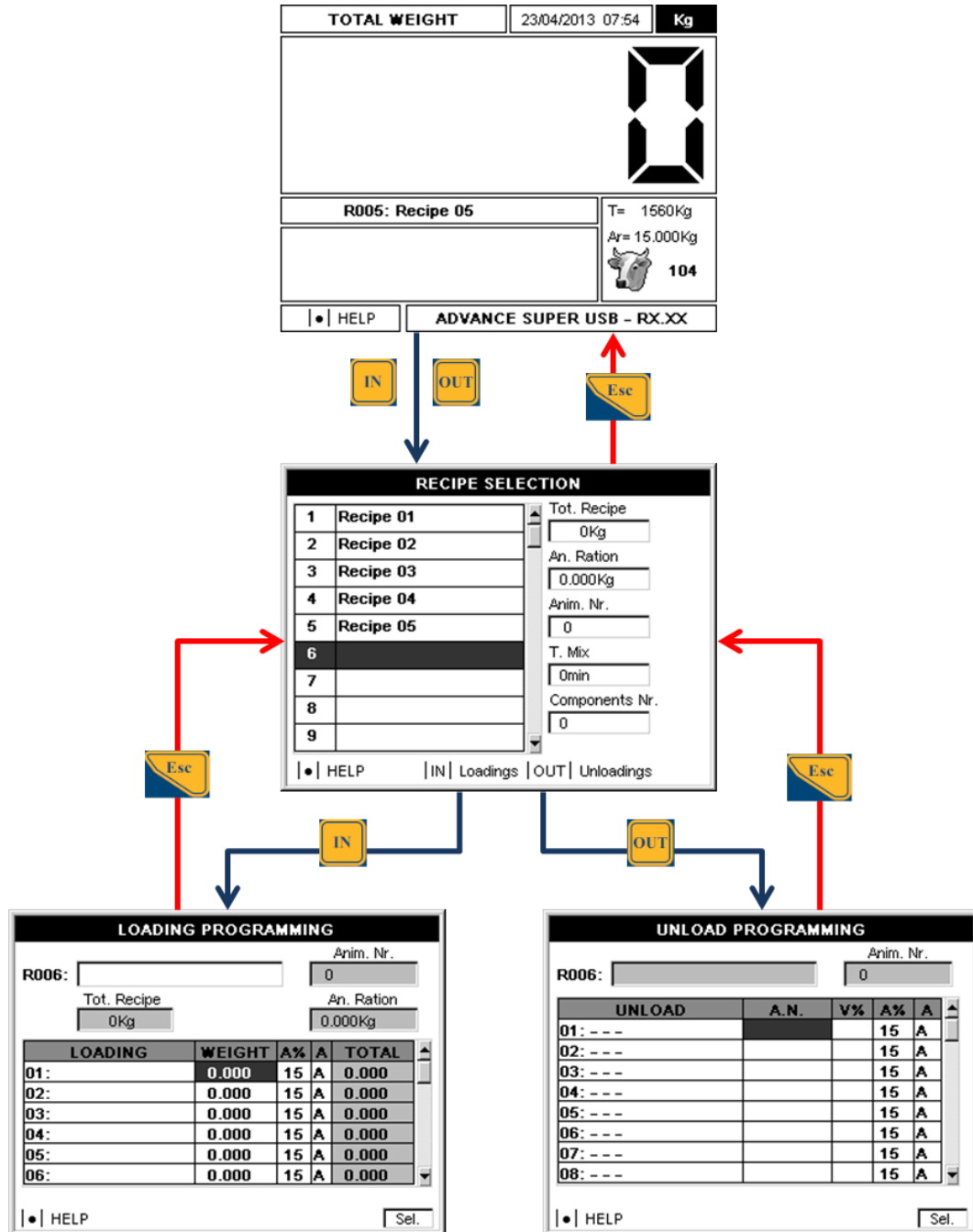
UNLOADING PROGRAMMING

The screen **UNLOADING PROGRAMMING** shows following information regarding the unloading:

| UNLOAD | A.N. | V% | A% | A |
|--------------|------|----|----|---|
| 01: Group 01 | 4 | 0 | 15 | A |
| 02: Group 02 | 7 | 0 | 15 | A |
| 03: Group 03 | 19 | 0 | 15 | A |
| 04: Group 04 | 74 | 0 | 15 | A |
| 05: | | | 15 | A |
| 06: | | | 15 | A |
| 07: --- | | | 15 | A |
| 08: --- | | | 15 | A |

1. **R005:** name associated to the recipe selected (e.g. cows, dry, lactation, etc.)
2. **ANIM. NR.:** total number of animals fed with the recipe
3. **UNLOAD:** order according to which the groups will be downloaded
4. **A.N.:** number of animals of the selected group
5. **V%:** percentage variation of the group feeding
6. **A%:** residual percentage quantity of the group to unload, from which the alarm starts to ring out
7. **A:** passage mode from a component to the next (Automatic or Manual)

NEW RECIPE



NEW RECIPE RECIPE SELECTION

In order to create a new recipe from the menu **RECIPE SELECTION**, place the cell on the first empty recipe.

Carry out the **LOADING PROGRAMMING** first, by pressing .


Then carry out the **UNLOADING PROGRAMMING**, by pressing .


| RECIPE SELECTION | | Tot. Recipe |
|------------------|-----------|----------------|
| 1 | Recipe 01 | 0Kg |
| 2 | Recipe 02 | An. Ration |
| 3 | Recipe 03 | 0.000Kg |
| 4 | Recipe 04 | Anim. Nr. |
| 5 | Recipe 05 | 0 |
| 6 | | T. Mix |
| 7 | | 0min |
| 8 | | Components Nr. |
| 9 | | 0 |

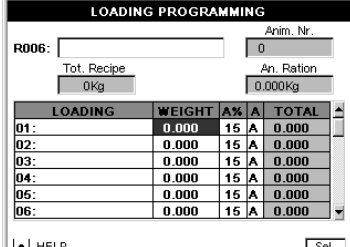
HELP |IN| Loadings |OUT| Unloadings

NEW RECIPE
LOADING
PROGRAMMING

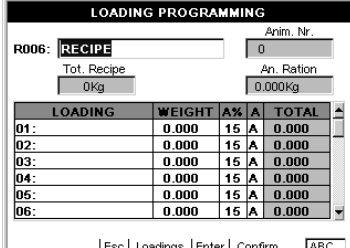
Recipe name

Upon pressing  the cell will be moved on the parameter **RXXX**, where the name of the recipe is indicated.

Enter the name of the recipe by means of the numeric keyboard, and press  at the end of the operation, in order to confirm and go back to the mode "choice of the action to carry out".




| LOADING | WEIGHT | A% | A | TOTAL |
|---------|--------|----|---|-------|
| 01: | 0.000 | 15 | A | 0.000 |
| 02: | 0.000 | 15 | A | 0.000 |
| 03: | 0.000 | 15 | A | 0.000 |
| 04: | 0.000 | 15 | A | 0.000 |
| 05: | 0.000 | 15 | A | 0.000 |
| 06: | 0.000 | 15 | A | 0.000 |




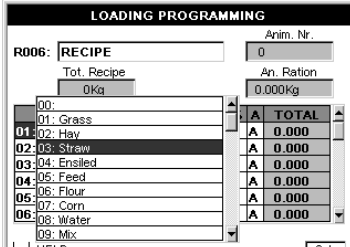
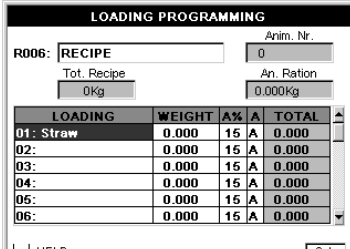
NEW RECIPE
LOADING
PROGRAMMING

Component choice

In order to select the name of a component, place the cell in the column **LOADING** on the line of the component to program.

Press  to visualize a list with the name of all components saved in the weighing computer.


Select the component from the list, and press  to confirm and go back to the mode "choice of the action to carry out".


NEW RECIPE
LOADING
PROGRAMMING


Component quantity

In order to set out the ration per animal of a component, place the cell in the column **WEIGHT** on the line of the component to program.

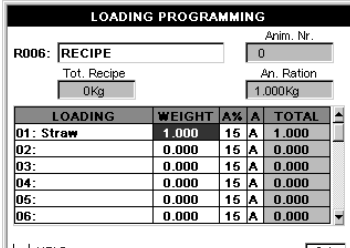
Press  to enter the mode "Changing value".

Enter the component quantity to load per animal by means of the numeric keyboard.

Press  to confirm the value, and go on changing the next cell.

At the end of all changes, press  to go back to the mode "choice of the action to carry out".


It is possible to enter values between 0 and 999.




NEW RECIPE
LOADING PROGRAMMING


Percentage of acoustic alarm


In order to set out the activation percentage of the acoustic alarm, place the cell in the column **A%** on the line of the component to program.

Press  to enter the mode "Changing value".

Enter the value of the activation percentage of the acoustic alarm by means of the numeric keyboard.

Press  to confirm the value, and go on changing the next cell.

With  multiple change of the parameter.

At the end of all changes, press  to go back to the mode "choice of the action to carry out".


It is possible to enter values between 0 (OFF) and 30.


| LOADING PROGRAMMING | | | | |
|---------------------|--------|----|---|------------|
| R006: RECIPE | | | | Anim. Nr. |
| Tot. Recipe | | | | An. Ration |
| 0kg | | | | 1,000kg |
| LOADING | WEIGHT | A% | A | TOTAL |
| 01: Straw | 1.000 | 20 | A | 1.000 |
| 02: | 0.000 | 15 | A | 0.000 |
| 03: | 0.000 | 15 | A | 0.000 |
| 04: | 0.000 | 15 | A | 0.000 |
| 05: | 0.000 | 15 | A | 0.000 |
| 06: | 0.000 | 15 | A | 0.000 |


NEW RECIPE
LOADING PROGRAMMING

Automatic passage

In order to set out the passage from a component to the next during the loading, place the cell in the column **A** on the line of the component to program.

Press  to change the passage mode from a component to the next from Manual (M) to Automatic (A), and vice-versa.

With  multiple change of the parameter.

At the end of all changes, press  to go back to the mode "choice of the action to carry out".


It is possible to enter the values M or A.


| LOADING PROGRAMMING | | | | |
|---------------------|--------|----|---|------------|
| R006: RECIPE | | | | Anim. Nr. |
| Tot. Recipe | | | | An. Ration |
| 0kg | | | | 1,000kg |
| LOADING | WEIGHT | A% | A | TOTAL |
| 01: Straw | 1.000 | 20 | M | 1.000 |
| 02: | 0.000 | 15 | A | 0.000 |
| 03: | 0.000 | 15 | A | 0.000 |
| 04: | 0.000 | 15 | A | 0.000 |
| 05: | 0.000 | 15 | A | 0.000 |
| 06: | 0.000 | 15 | A | 0.000 |

NEW RECIPE
UNLOADING PROGRAMMING

Choice of the Group

In order to select the name of a group, place the cell in the column **UNLOADING** on the line of the group to program.

Press  to visualize a list with the name of all groups saved in the weighing computer.


Select the group from the list, and press  to confirm and go back to the mode "choice of the action to carry out".

| UNLOAD PROGRAMMING | | | | |
|--------------------|----------------|--|---|-----------|
| R006: RECIPE | | | | Anim. Nr. |
| 01: --- | Off | | A | |
| 02: --- | G001: Group 01 | | A | |
| 03: --- | G002: Group 02 | | A | |
| 04: --- | G003: Group 03 | | A | |
| 05: --- | G004: Group 04 | | A | |
| 06: --- | G005 | | A | |
| 07: --- | G006 | | A | |
| 08: --- | G007 | | A | |
| 08: --- | G008 | | A | |
| 08: --- | G009 | | A | |


| UNLOAD PROGRAMMING | | | | |
|--------------------|----|---|----|-----------|
| R006: RECIPE | | | | Anim. Nr. |
| 01: Group 04 | 74 | 0 | 15 | A |
| 02: --- | | | 15 | A |
| 03: --- | | | 15 | A |
| 04: --- | | | 15 | A |
| 05: --- | | | 15 | A |
| 06: --- | | | 15 | A |
| 07: --- | | | 15 | A |
| 08: --- | | | 15 | A |


NEW RECIPE
UNLOADING
PROGRAMMING
Number of animals

In order to set out the number of animals of a group, place the cell in the column **A.N.** on the line of the group to program.

Press  to enter the mode "Changing value".

Enter the number of animals of the selected group by means of the numeric keyboard.

Press  to confirm the value, and go on changing the next cell.

At the end of all changes, press  to go back to the mode "choice of the action to carry out".

It is possible to enter values between 0 and 999.


ATTENTION: changing the number of animals in the menu Unloading Programming has also effect on the submenu Groups.

| UNLOAD PROGRAMMING | | | | |
|--------------------|------|----|----|-----------|
| R006: RECIPE | | | | Anim. Nr. |
| | | | | 100 |
| UNLOAD | A.N. | V% | A% | A |
| 01: Group 04 | 100 | 0 | 15 | A |
| 02: --- | | | 15 | A |
| 03: --- | | | 15 | A |
| 04: --- | | | 15 | A |
| 05: --- | | | 15 | A |
| 06: --- | | | 15 | A |
| 07: --- | | | 15 | A |
| 08: --- | | | 15 | A |


HELP Sel.


NEW RECIPE
UNLOADING
PROGRAMMING
% Variation Group Feeding

In order to set out the percentage variation of the group feeding, place the cell in the column **V%** on the line of the group to program.

Press  to enter the mode "Changing value".

Enter the value of the percentage variation of the group feeding by means of the numeric keyboard.

Press  to confirm the value, and go on changing the next cell.

At the end of all changes, press  to go back to the mode "choice of the action to carry out".

With  multiple change of the parameter.

It is possible to enter values between -99 and 100.

ATTENTION: changing the percentage variation in the menu Unloading Programming has also effect on the submenu Groups.


| UNLOAD PROGRAMMING | | | | |
|--------------------|------|----|----|-----------|
| R006: RECIPE | | | | Anim. Nr. |
| | | | | 100 |
| UNLOAD | A.N. | V% | A% | A |
| 01: Group 04 | 100 | 5 | 15 | A |
| 02: --- | | | 15 | A |
| 03: --- | | | 15 | A |
| 04: --- | | | 15 | A |
| 05: --- | | | 15 | A |
| 06: --- | | | 15 | A |
| 07: --- | | | 15 | A |
| 08: --- | | | 15 | A |

HELP Sel.


NEW RECIPE
UNLOADING
PROGRAMMING


Percentage of acoustic alarm


In order to set out the activation percentage of the acoustic alarm, place the cell in the column **A%** on the line of the group to program.

Press  to enter the mode "Changing value".

Enter the value of the activation percentage of the acoustic alarm by means of the numeric keyboard.

Press  to confirm the value, and go on changing the next cell.

With  multiple change of the parameter.

At the end of all changes, press  to go back to the mode "choice of the action to carry out".

It is possible to enter values between 0 (OFF) and 30.


| UNLOAD PROGRAMMING | | | | | |
|--------------------|------|----|----|---|-----------|
| R006: RECIPE | | | | | Anim. Nr. |
| | | | | | 100 |
| UNLOAD | A.N. | V% | A% | A | |
| 01: Group 04 | 100 | 5 | 20 | A | |
| 02: --- | | | 15 | A | |
| 03: --- | | | 15 | A | |
| 04: --- | | | 15 | A | |
| 05: --- | | | 15 | A | |
| 06: --- | | | 15 | A | |
| 07: --- | | | 15 | A | |
| 08: --- | | | 15 | A | |


• | HELP Sel.


NEW RECIPE
UNLOADING
PROGRAMMING


Automatic passage

In order to set out the passage mode from an unloading group to the next during the unloading, place the cell in the column **A** on the line of the group to program.

Press  to enter the mode "Changing value".

Press  to change the passage mode from a group to the next from Manual (M) to Automatic (A), and vice-versa.

With  multiple change of the parameter.

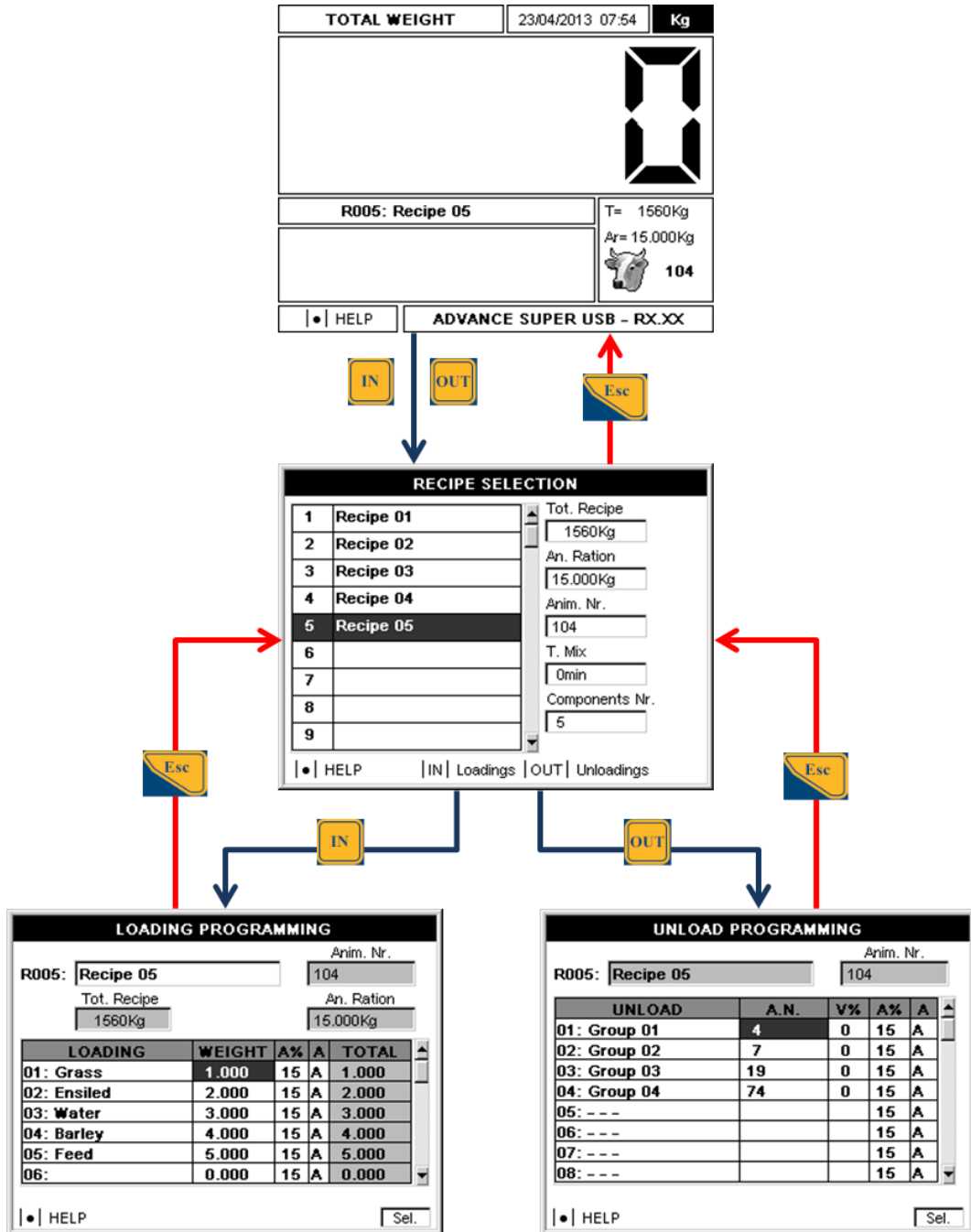
At the end of all changes, press  to go back to the mode "choice of the action to carry out".

It is possible to enter the values M or A.

| UNLOAD PROGRAMMING | | | | | |
|--------------------|------|----|----|---|-----------|
| R006: RECIPE | | | | | Anim. Nr. |
| | | | | | 100 |
| UNLOAD | A.N. | V% | A% | A | |
| 01: Group 04 | 100 | 5 | 20 | M | |
| 02: --- | | | 15 | A | |
| 03: --- | | | 15 | A | |
| 04: --- | | | 15 | A | |
| 05: --- | | | 15 | A | |
| 06: --- | | | 15 | A | |
| 07: --- | | | 15 | A | |
| 08: --- | | | 15 | A | |

• | HELP Sel.

CHANGE RECIPE



CHANGE RECIPE RECIPE SELECTION

In order to modify a recipe from the menu **RECIPE SELECTION**, place the cell on the recipe to change.

To modify the **LOADING PROGRAMMING**, press



To modify the **UNLOADING PROGRAMMING**, press




| RECIPE SELECTION | | Tot. Recipe | |
|------------------|-----------|----------------|--|
| 1 | Recipe 01 | 1560Kg | |
| 2 | Recipe 02 | An. Ration | |
| 3 | Recipe 03 | 15.000Kg | |
| 4 | Recipe 04 | Anim. Nr. | |
| 5 | Recipe 05 | 104 | |
| 6 | | T. Mix | |
| 7 | | 10min | |
| 8 | | Components Nr. | |
| 9 | | 5 | |


HELP | IN | Loadings | OUT | Unloadings

CHANGE RECIPE

LOADING PROGRAMMING

Recipe name

Upon pressing  the cell will be moved on the parameter **RXXX**, where the name of the recipe is indicated.

Change the name of the recipe by means of the numeric keyboard, and press  at the end of the operation, in order to confirm and go back to the mode "choice of the action to carry out".

| LOADING PROGRAMMING | | | | |
|---------------------|--------|---------------------|---|-------|
| R005: Recipe 05 | | Anim. Nr. 104 | | |
| Tot. Recipe 1560Kg | | An. Ration 15,000Kg | | |
| LOADING | WEIGHT | A% | A | TOTAL |
| 01: Grass | 1.000 | 15 | A | 1.000 |
| 02: Ensiled | 2.000 | 15 | A | 2.000 |
| 03: Water | 3.000 | 15 | A | 3.000 |
| 04: Barley | 4.000 | 15 | A | 4.000 |
| 05: Feed | 5.000 | 15 | A | 5.000 |
| 06: | 0.000 | 15 | A | 0.000 |


|Esc| Loadings |Enter| Confirm |ABC..


CHANGE RECIPE

LOADING PROGRAMMING

Component choice

In order to select the name of a component, place the cell in the column **LOADING** on the line of the component to program.

Press  to visualize a list with the name of all components saved in the weighing computer.

Select the component from the list, and press  to confirm and go back to the mode "choice of the action to carry out".

| LOADING PROGRAMMING | | | | |
|---------------------|--------|---------------------|---|-------|
| R005: Recipe 05 | | Anim. Nr. 104 | | |
| Tot. Recipe 1560Kg | | An. Ration 15,000Kg | | |
| LOADING | WEIGHT | A% | A | TOTAL |
| 01: Grass | 1.000 | 15 | A | 1.000 |
| 02: Ensiled | 2.000 | 15 | A | 2.000 |
| 03: Mix | 3.000 | 15 | A | 3.000 |
| 04: Barley | 4.000 | 15 | A | 4.000 |
| 05: Feed | 5.000 | 15 | A | 5.000 |
| 06: | 0.000 | 15 | A | 0.000 |


•| HELP |Sel.

CHANGE RECIPE


LOADING PROGRAMMING


Component quantity

In order to see out the ration per animal of a component, place the cell in the column **WEIGHT** on the line of the component to program.

Press  to enter the mode "Changing value".

Enter the component quantity to load per animal by means of the numeric keyboard.

Press  to confirm the value, and go on changing the next cell.

At the end of all changes, press  to go back to the mode "choice of the action to carry out".

It is possible to enter values between 0 and 999.

| LOADING PROGRAMMING | | | | |
|---------------------|--------|---------------------|---|-------|
| R005: Recipe 05 | | Anim. Nr. 104 | | |
| Tot. Recipe 1612Kg | | An. Ration 15,500Kg | | |
| LOADING | WEIGHT | A% | A | TOTAL |
| 01: Grass | 1.000 | 15 | A | 1.000 |
| 02: Ensiled | 2.000 | 15 | A | 2.000 |
| 03: Mix | 3.500 | 15 | A | 3.500 |
| 04: Barley | 4.000 | 15 | A | 4.000 |
| 05: Feed | 5.000 | 15 | A | 5.000 |
| 06: | 0.000 | 15 | A | 0.000 |


•| HELP |Sel.

CHANGE RECIPE


LOADING PROGRAMMING


Percentage of acoustic alarm


In order to set out the activation percentage of the acoustic alarm, place the cell in the column **A%** on the line of the component to program.

Press  to enter the mode "Changing value".

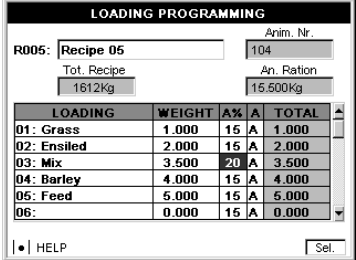
Enter the value of the activation percentage of the acoustic alarm by means of the numeric keyboard.

Press  to confirm the value, and go on changing the next cell.

With  multiple change of the parameter.

At the end of all changes, press  to go back to the mode "choice of the action to carry out".

It is possible to enter values between 0 (OFF) and 30.





CHANGE RECIPE


LOADING PROGRAMMING

Automatic passage

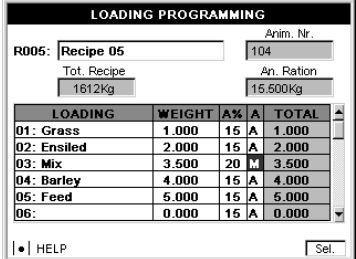
In order to set out the passage mode from a component to the next during the loading, place the cell in the column **A** on the line of the component to program.

Press  to change the passage mode from a component to the next from Manual (M) to Automatic (A), and vice-versa.

With  multiple change of the parameter.

At the end of all changes, press  to go back to the mode "choice of the action to carry out".

It is possible to enter the values M or A.





CHANGE RECIPE

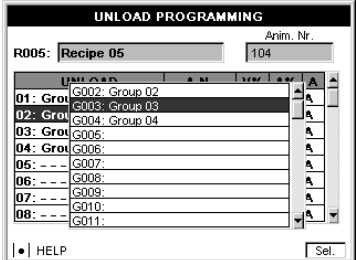
UNLOADING PROGRAMMING

Choice of the group

In order to select the name of a group, place the cell in the column **UNLOADING** on the line of the group to program.

Press  to visualize a list with the name of all groups saved in the weighing computer.

Select the group from the list, and press  to confirm and go back to the mode "choice of the action to carry out".




CHANGE RECIPE


UNLOADING PROGRAMMING


Number of animals

In order to set out the number of animals of a group, place the cell in the column **A.N.** on the line of the group to program.

Press  to enter the mode "Changing value".

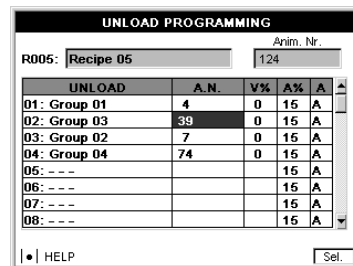
Enter the number of animals of the selected group by means of the numeric keyboard.

Press  to confirm the value, and go on changing the next cell.

At the end of all changes, press  to go back to the mode "choice of the action to carry out".

It is possible to enter values between 0 and 999.

ATTENTION: changing the number of animals in the menu Unloading Programming has also effect on the submenu Groups.




| UNLOAD | A.N. | V% | A% | A |
|--------------|------|----|----|---|
| 01: Group 01 | 4 | 0 | 15 | A |
| 02: Group 03 | 39 | 0 | 15 | A |
| 03: Group 02 | 7 | 0 | 15 | A |
| 04: Group 04 | 74 | 0 | 15 | A |
| 05: --- | | | 15 | A |
| 06: --- | | | 15 | A |
| 07: --- | | | 15 | A |
| 08: --- | | | 15 | A |

CHANGE RECIPE


UNLOADING PROGRAMMING


% Variation Group Feeding

In order to set out the percentage variation of the group feeding, place the cell in the column **V%** on the line of the group to program.

Press  to enter the mode "Changing value".

Enter the value of the percentage variation of the group feeding by means of the numeric keyboard.

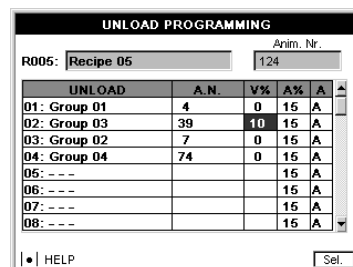
Press  to confirm the value, and go on changing the next cell.

At the end of all changes, press  to go back to the mode "choice of the action to carry out".

With  multiple change of the parameter.

It is possible to enter values between -99 and 100.

ATTENTION: changing the percentage variation in the menu Unloading Programming has also effect on the submenu Groups.




| UNLOAD | A.N. | V% | A% | A |
|--------------|------|----|----|---|
| 01: Group 01 | 4 | 0 | 15 | A |
| 02: Group 03 | 39 | 10 | 15 | A |
| 03: Group 02 | 7 | 0 | 15 | A |
| 04: Group 04 | 74 | 0 | 15 | A |
| 05: --- | | | 15 | A |
| 06: --- | | | 15 | A |
| 07: --- | | | 15 | A |
| 08: --- | | | 15 | A |

CHANGE RECIPE


UNLOADING PROGRAMMING


Percentage of acoustic alarm


In order to set out the activation percentage of the acoustic alarm, place the cell in the column **A%** on the line of the group to program.

Press  to enter the mode "Changing value".

Enter the value of the activation percentage of the acoustic alarm by means of the numeric keyboard.

Press  to confirm the value, and go on changing the next cell.

With  multiple change of the parameter.

At the end of all changes, press  to go back to the mode "choice of the action to carry out".

It is possible to enter values between 0 (OFF) and 30.

| UNLOAD PROGRAMMING | | | | | |
|--------------------|------|----|----|---|---------------|
| R005: Recipe 05 | | | | | Anim. Nr. 124 |
| UNLOAD | A.N. | V% | A% | A | |
| 01: Group 01 | 4 | 0 | 15 | A | |
| 02: Group 03 | 39 | 10 | 20 | A | |
| 03: Group 02 | 7 | 0 | 15 | A | |
| 04: Group 04 | 74 | 0 | 15 | A | |
| 05: --- | | | 15 | A | |
| 06: --- | | | 15 | A | |
| 07: --- | | | 15 | A | |
| 08: --- | | | 15 | A | |


• | HELP Sel.


CHANGE RECIPE


UNLOADING PROGRAMMING


Automatic passage

In order to set out the passage mode from an unloading group to the next during the unloading, place the cell in the column **A** on the line of the group to program.

Press  to enter the mode "Changing value".

Press  to change the passage mode from a group to the next from Manual (M) to Automatic (A), and vice-versa.

With  multiple change of the parameter.

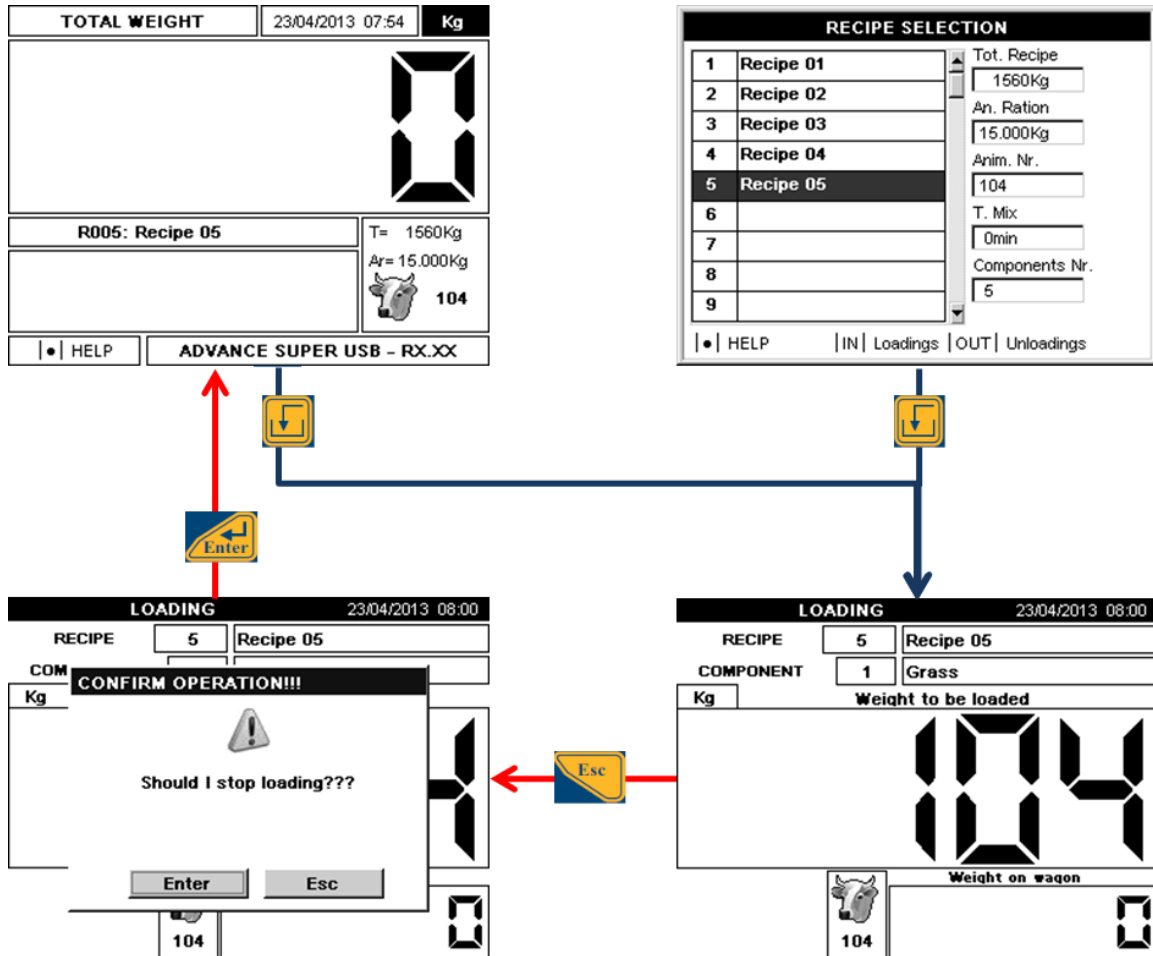
At the end of all changes, press  to go back to the mode "choice of the action to carry out".

It is possible to enter the values M or A.

| UNLOAD PROGRAMMING | | | | | |
|--------------------|------|----|----|---|---------------|
| R005: Recipe 05 | | | | | Anim. Nr. 124 |
| UNLOAD | A.N. | V% | A% | A | |
| 01: Group 01 | 4 | 0 | 15 | A | |
| 02: Group 03 | 39 | 10 | 20 | M | |
| 03: Group 02 | 7 | 0 | 15 | A | |
| 04: Group 04 | 74 | 0 | 15 | A | |
| 05: --- | | | 15 | A | |
| 06: --- | | | 15 | A | |
| 07: --- | | | 15 | A | |
| 08: --- | | | 15 | A | |

• | HELP Sel.

LOADING OPERATION

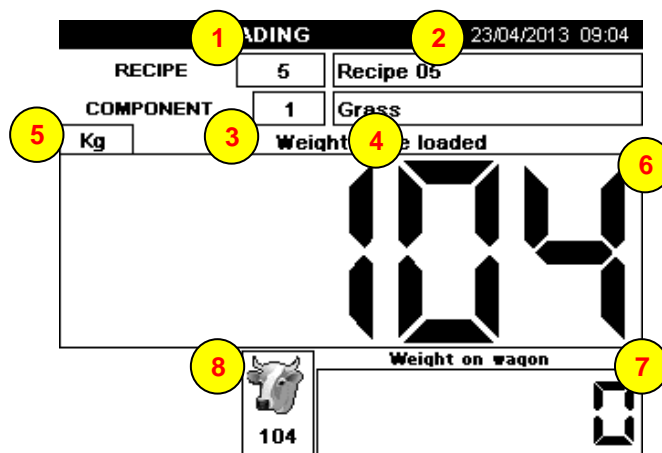


There are two possible ways to start a loading operation:

- **TOTAL WEIGHT:** from this screen it is possible to start the loading operation by pressing . Please note that from this screen it is possible to carry out the quick selection of the recipe to load, by means of the key . In case an empty recipe has been selected, the message **ERROR!!! Recipe Total Void!!!** It is possible to leave this message by pressing .
- **RECIPE SELECTION:** from this screen it is possible to place the cell on the recipe to load, and then start the loading operation by pressing .


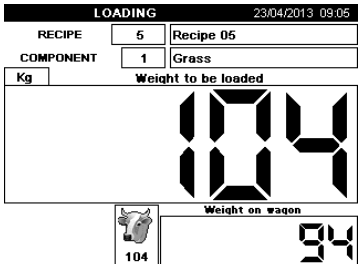

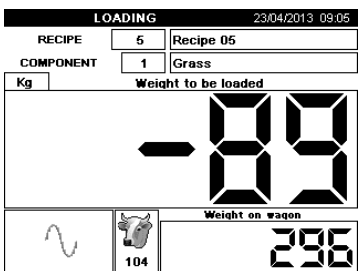
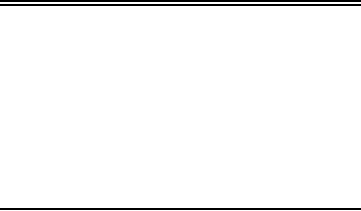
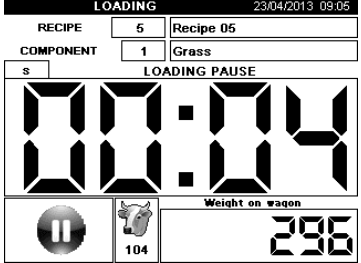
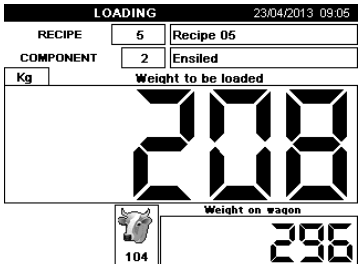


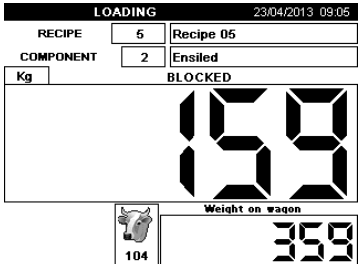
To stop the loading operation, press and confirm by pressing .



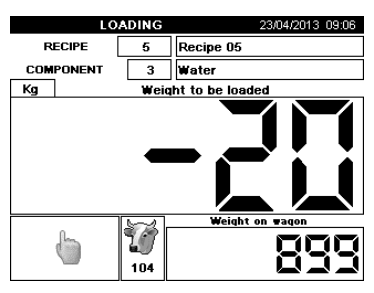


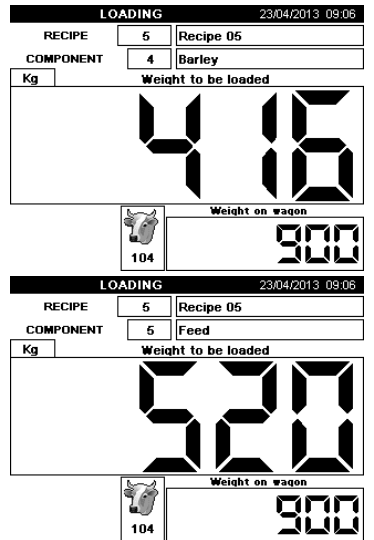

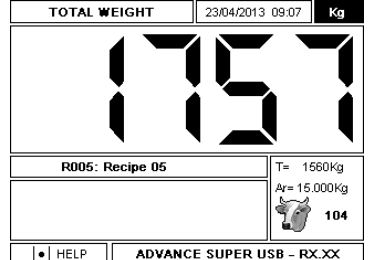
The screen **LOADING** shows following information regarding the loading:


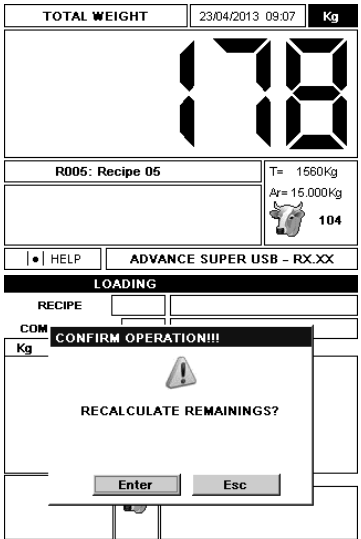








1. **Number** of the selected recipe
2. **Name** of the selected recipe (e.g. Recipe 05)
3. **Number** of the component to load
4. **Name** of the component to load
5. **Measurement unit** of the weight
6. **Weight to be loaded**
7. **Weight on the wagon**
8. **Total number of animals** fed with the recipe

| | | |
|--|---|--|
| <p>LOADING OPERATION</p> <p>Component Load</p> | <p>After starting the loading operation, proceed with the loading of the quantity of the first component.</p> <p>During the loading, the value of the WEIGHT TO BE LOADED decreases to a value near 0, while the value WEIGHT ON WAGON increases for the same value of the loaded quantity.</p> | |
| <p>LOADING OPERATION</p> <p>Acoustic alarm</p> | <p>When the value WEIGHT TO BE LOADED is lower than the Percentage of acoustic alarm previously set out, the alarm starts to ring out intermittently, with a frequency which becomes higher and higher, as the weight approaches the value 0.</p> | |

| | | |
|---|--|---|
| <p>LOADING OPERATION</p> <p>Weight restoring</p> | <p>At any time during the loading it is possible to restore the weight of the component to load.</p> <p>Press  to restore the weight of the component to load.</p> |  |
| <p>LOADING OPERATION</p> <p>Control on weight stability</p> | <p>If the control on weight stability has been enabled (by the producer of the machine), after the loading of the component quantity is completed, the weight must remain stable for a set time, before going on loading the next component.</p> <p>By pressing  it is possible to go on to the next component.</p> |  |
| <p>LOADING OPERATION</p> <p>Alarm automatic change</p> | <p>When the loading of the component quantity is completed, the alarm starts to ring out for the time ALARM AUTOMATIC CHANGE set out in the menu COMPONENTS.</p> |  |
| <p>LOADING OPERATION</p> <p>Pause after component loading end</p> | <p>When the loading of the component quantity is completed, the countdown LOADING PAUSE set out in the menu COMPONENTS starts.</p> |  |
| <p>LOADING OPERATION</p> <p>Automatic passage</p> | <p>If the AUTOMATIC PASSAGE has been set out for the component, at the end of the component loading the screen is updated with the loading of the quantity of the second programmed component.</p> |  |
| <p>LOADING OPERATION</p> <p>Weight block</p> | <p>At any time during the loading it is possible to block the weight of the component to load.</p> <p>The function BLOCKED weight can be useful when moving the machine.</p> <p>Press  to enter the mode "blocked weight".</p> <p>Press  again to leave the mode "blocked weight".</p> |  |

| | | |
|---|---|---|
| <p><u>LOADING OPERATION</u></p> <p>Manual passage</p> | <p>If the MANUAL PASSAGE has been set out for the component, at the end of the component loading it is necessary to press  to go on to the next programmed component.</p> <p>Manual passage is characterized by the symbol </p> |  |
| <p><u>LOADING OPERATION</u></p> <p>Next Previous Component</p> | <p>During the loading it is possible to press  to go on to the next programmed component.</p> <p>Vice-versa it is possible to press  to go back to the previous programmed component.</p> |  |
| <p><u>LOADING OPERATION</u></p> <p>Mixing time</p> | <p>At the end of the loading of the last component of the recipe, the MIXING TIME – if set out – starts to be counted down.</p> |  |
| <p><u>LOADING OPERATION</u></p> <p>End of the loading operation</p> | <p>After the MIXING TIME has expired, the screen TOTAL WEIGHT is displayed, with the value of the weight loaded on the wagon.</p> |  |

| | | |
|--|---|---|
| <p>LOADING OPERATION</p> <p>Remainings Recalculation</p> | <p>If the function REMAININGS RECALCULATION has been enabled among the RECIPE PARAMETERS, and if the quantity of material present on the wagon at the beginning of the loading is higher than the threshold set out in the submenu RECALCULATION ACTIVATION, the message RECALCULATE REMAININGS? appears on the display.</p> <p>Upon confirming with , the quantities of the components to load are recalculated so that the weight value at the end of the loading is equal to the programmed weight.</p> |  |
| <p>LOADING OPERATION</p> <p>First Component Recalculation</p> | <p>If the function FIRST COMPONENT RECALCULATION has been enabled among the RECIPE PARAMETERS, and if the quantity loaded for the first component exceeds the threshold set out in the submenu RECALCULATION ACTIVATION, the message RECALCULATE FIRST COMPONENT? appears on the display.</p> <p>Upon confirming with , the quantities to load of all remaining components are recalculated according to the variation of the quantity loaded for the first component.</p> |  |
| <p>LOADING OPERATION</p> <p>Manual dosing</p> | <p>If the quantity of the component to load is lower than the threshold set out for the manual dosing, the display shows the quantity to load manually, at the end of which it is necessary to press  to go on to the next programmed component.</p> |  |
| <p>LOADING OPERATION</p> <p>TOPCUT <i>(by request)</i></p> | <p>If the function TOPCUT has been enabled in the weighing computer, the symbol TOPCUT and the Knives times are visualized on the displayed.</p> <p>It is possible to stop the function Automatic TOPCUT by pressing .</p> |  |

LOADING OPERATION

Loading from List

If the function **LOADING FROM LIST** has been enabled among the **RECIPE PARAMETERS**, after starting the loading of the recipe the display shows a list with the following details:

- Components to load
- The nominal quantity to load for each component
- The real loaded quantity for each component
- Confirmation (OK) that the loading operation has been carried out successfully for each component

Place the cell on the component to load, and press



to start the loading operation of the selected component.

After the component loading has been carried out, the list is loaded again.

At the end of the loading of all components, press



and then to leave the function **LOADING FROM LIST**.

LOADING 23/04/2013 09:04

RECIPE 5 Recipe 05

COMPONENT

Kg Weight to be loaded

| LOADING | NOMINAL | EFFECTIVE | OK |
|--------------|---------|-----------|----|
| 01: Grass | 104 | 0 | |
| 02: Ensilied | 208 | 0 | |
| 03: Water | 312 | 0 | |
| 04: Barley | 416 | 0 | |
| 05: Feed | 520 | 0 | |

LOADING 23/04/2013 09:09

RECIPE 5 Recipe 05

COMPONENT

Kg MANUAL DOSING!!!

| LOADING | NOMINAL | EFFECTIVE | OK |
|--------------|---------|-----------|----|
| 01: Grass | 104 | 522 | OK |
| 02: Ensilied | 208 | 0 | |
| 03: Water | 312 | 462 | OK |
| 04: Barley | 416 | 0 | |
| 05: Feed | 520 | 0 | |

LOADING 23/04/2013 09:09

RECIPE 5 Recipe 05

COM CONFIRM OPERATION!!!

Kg

01: Gr OK

02: En OK

03: W OK

04: Ba OK

05: Fe OK

LOADING COMPLETE?


Enter Esc

LOADING
SILO
(Optional)

If the weighing indicator is enabled for the function SILO, the system asks (during the loading) for the confirmations to start the automatic loading of the components. Furthermore the system visualizes the status messages of the SILO.


If the weighing indicator doesn't communicate with the management board of the SILO, the message SILO CONNECTION WAITING appears.

If the communication is ok, the weighing indicator visualizes the message LOAD CONFIRMATION WAITING and it asks for the manual confirmation from

the user by pressing the key , before to start the automatic loading.

After the confirmation of the loading start, the message SILO LOADING appears.

If the control of the EMPTYING WEIGHT CHANGE and the parameter WAITING CHANGE are enabled, the message SILO LOADING ERROR appears (if the system doesn't register a weight change during the loading).

It is possible to carry out the automatic loading by pressing the key .

If a value for SLOW WEIGHT is set, as soon as the SLOW WEIGHT is reached, the message SILO SLOW WEIGHT appears.

If a value for FLYING WEIGHT is set, as soon as the FLYING WEIGHT is reached, the message LOAD of SILO LOADING appears.

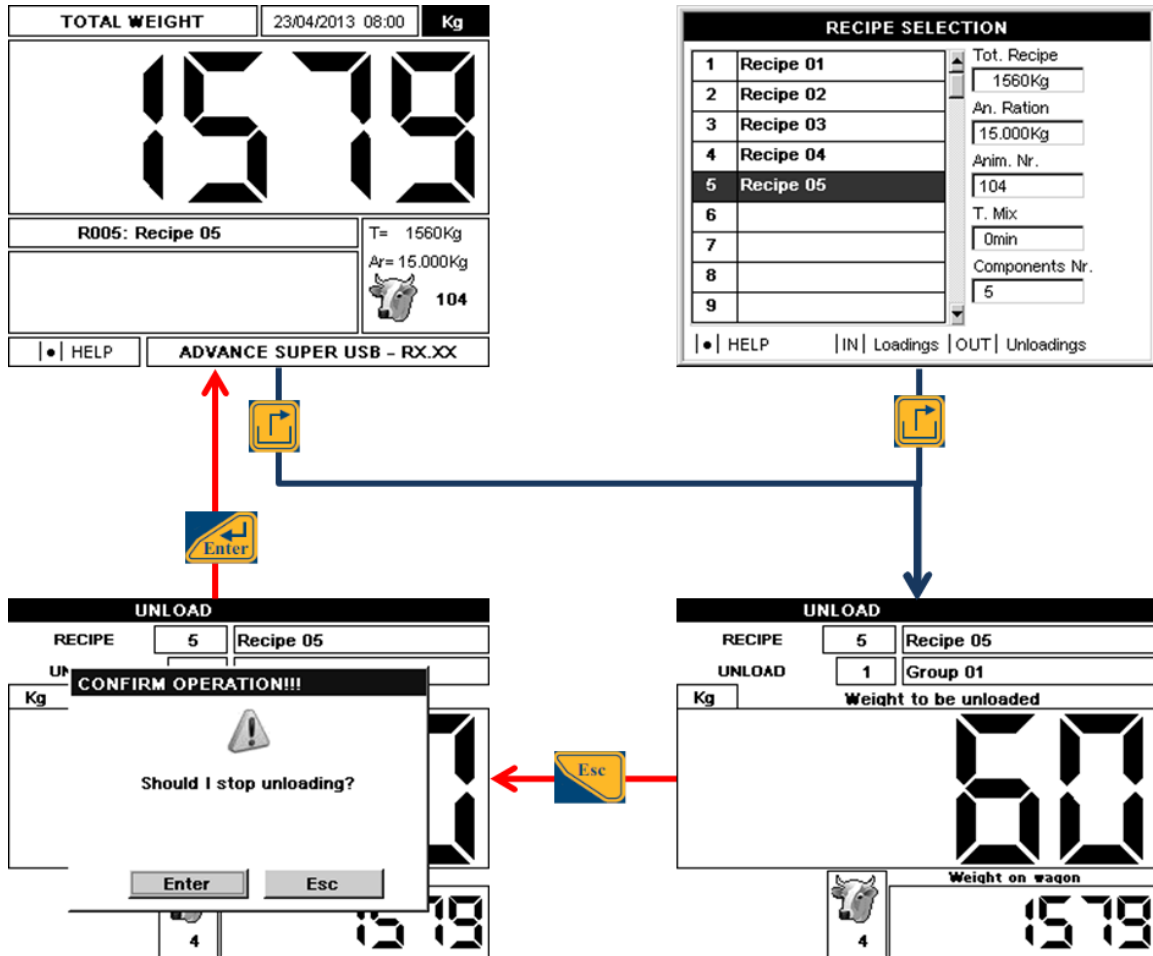
At the end of the automatic load of the component the message END of SILO LOADING appears.

NOTE: If the parameter AUTOMATIC CONFIRMATION is enabled for the next components, the system doesn't ask for the manual confirmation of the automatic loading. On the contrary it is necessary to confirm the start of the automatic load for each component (this operation has to be made by the user).

The SLOW WEIGHT is used for a more precise dosing..

The Flying weight is used as Prestop, in order to reduce the quantity of the component, which continues to fall also after the interruption of the load.

UNLOADING OPERATION

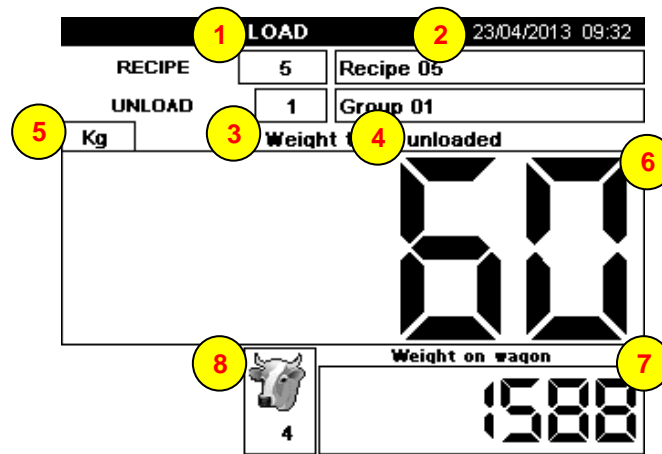


There are two possible ways to start an unloading operation:

- **TOTAL WEIGHT:** from this screen it is possible to start the unloading operation by pressing . Please note that from this screen it is possible to carry out the quick selection of the recipe to unload, by means of the key . In case an empty recipe has been selected, the message **ERROR!!! Recipe Total Void!!!** It is possible to leave this message by pressing .
- **RECIPE SELECTION:** from this screen it is possible to place the cell on the recipe to unload, and then start the unloading operation by pressing .









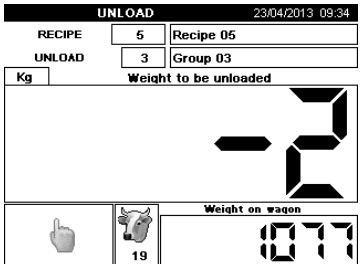
To stop the unloading operation, press and confirm by pressing .

The screen **UNLOADING** shows following information regarding the unloading:




1. **Number** of the selected recipe
2. **Name** of the selected recipe (e.g. Recipe 05)
3. **Number** of the group to unload
4. **Name** of the group to unload
5. **Measurement unit** of the weight
6. **Weight to be unloaded**
7. **Weight on the wagon**
8. **Total number of animals** of the group


| | | |
|--|---|--|
| <p style="text-align: center;"><u>UNLOADING OPERATION</u></p> <p style="text-align: center;">Group Unloading</p> | <p>After starting the unloading operation, proceed unloading the quantity of the first group.</p> <p>During the unloading, the value of the WEIGHT TO BE UNLOADED decreases to a value near 0, as well as the value WEIGHT ON WAGON.</p> | |
| <p style="text-align: center;"><u>UNLOADING OPERATION</u></p> <p style="text-align: center;">Acoustic alarm</p> | <p>When the value WEIGHT TO BE UNLOADED is lower than the Percentage of acoustic alarm previously set out, the alarm starts to ring out intermittently, with a frequency which becomes higher and higher, as the weight to unload approaches the value 0.</p> | |

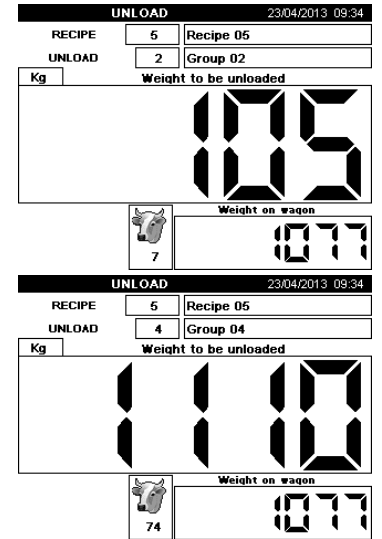
| | | |
|---|--|---|
| <p style="text-align: center;"><u>UNLOADING OPERATION</u></p> <p style="text-align: center;">Weight restoring</p> | <p>At any time during the unloading it is possible to restore the weight of the group to unload.</p> <p>Press  to restore the weight of the group to unload.</p> |  |
| <p style="text-align: center;"><u>UNLOADING OPERATION</u></p> <p style="text-align: center;">Alarm automatic change</p> | <p>When the unloading of the group is completed, the alarm starts to ring out for the time ALARM AUTOMATIC CHANGE set out in the menu GROUPS.</p> | |
| <p style="text-align: center;"><u>UNLOADING OPERATION</u></p> <p style="text-align: center;">Automatic Passage</p> | <p>If the AUTOMATIC PASSAGE has been set out for the group, at the end of the group unloading the screen is updated with the unloading of the quantity of the second programmed group.</p> |  |
| <p style="text-align: center;"><u>UNLOADING OPERATION</u></p> <p style="text-align: center;">Weight block</p> | <p>At any time during the unloading it is possible to block the weight of the group to unload.</p> <p>The function BLOCKED weight can be useful when moving the machine.</p> <p>Press  to enter the mode "blocked weight".</p> <p>Press  again to leave the mode "blocked weight".</p> |  |
| <p style="text-align: center;"><u>UNLOADING OPERATION</u></p> <p style="text-align: center;">Manual passage</p> | <p>If the MANUAL PASSAGE has been set out for the group, at the end of the group unloading it is necessary to press  to go on to the next programmed group.</p> <p>Manual passage is characterized by the symbol .</p> |  |

UNLOADING OPERATION

Next
Previous
Group

During the unloading it is possible to press  to go on to the next programmed group.

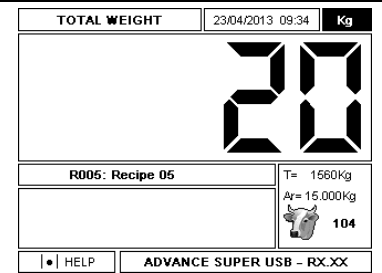
Vice-versa it is possible to press  to go back to the previous programmed group.



UNLOADING OPERATION

End of the unloading operation


After the unloading of the last programmed group has ended, the screen **TOTAL WEIGHT** is displayed, with the value of the weight remainings which might not have been unloaded.

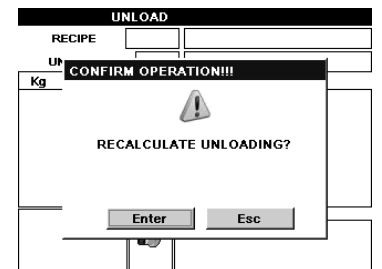


UNLOADING OPERATION

Unloading Recalculation

If the function UNLOADING RECALCULATION has been enabled among the RECIPE PARAMETERS, and if the quantity of material loaded is higher than the sum between the programmed quantity and the threshold set out in the submenu RECALCULATION ACTIVATION, the message **RECALCULATE UNLOADING?** appears on the display.

Upon confirming with , the quantities to unload of all groups are recalculated in proportion to the increase of the loaded quantity.



CHANGES BLOCK THROUGH PIN CODE

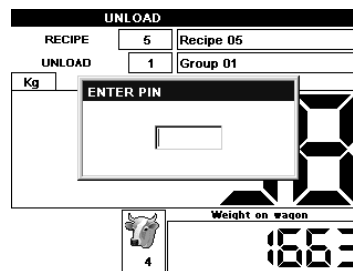
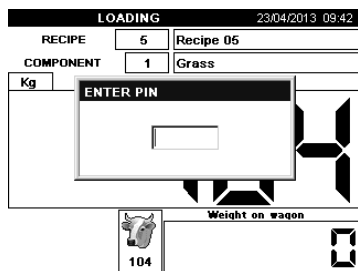
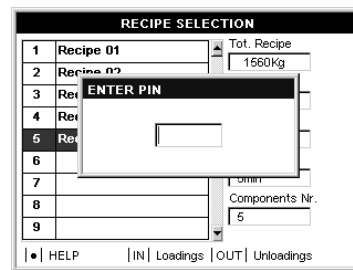
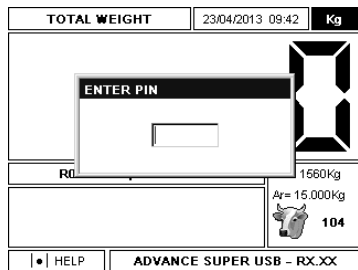
Thanks to the indicator Advance it is possible to enable the request for a PIN Code for the user in order to prevent the access to some menus, submenus and functions to not-trained/authorized staff.

It is possible to manage to 20 users and to diversifying the accessible menus, submenus and the functions.

The enabled menus/functions for each user are:

- ACCESS TO CODES
- ACCESS TO MENUS
- LOAD PROGRAMMING
- UNLOAD PROGRAMMING
- RECIPE SELECTION
- SKIP OPERATIONS (component load, final mix, final top cut, group unloading)
- OPERATIONS RESET (quantity of the component load, quantity of the group unloading)
- OPERATIONS END(component load, final mix, final top cut, group upload)

It is not possible to access to the enabled menus/functions without introducing the code (LOGIN):













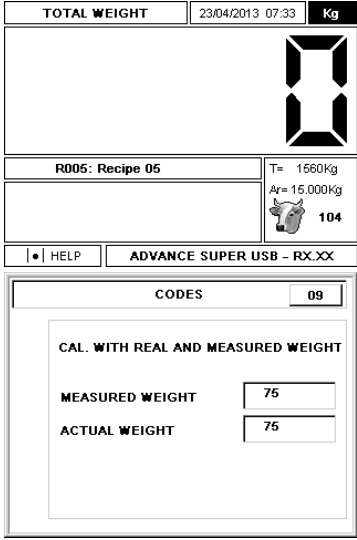


The PIN code can be changed in code 89, accessible from the Code menu (see Access to the Code Menu); there is also the possibility to enter a PUK code, in case the PIN code is forgotten (to get the PUK code, please contact technical service).

To disconnect the user (LOGOUT) keep pressed the key

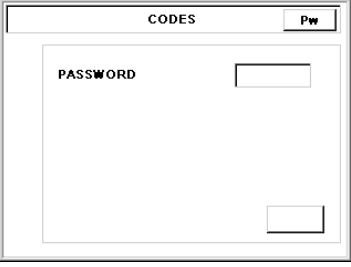
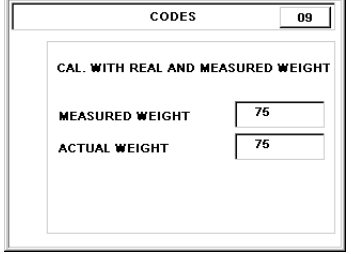







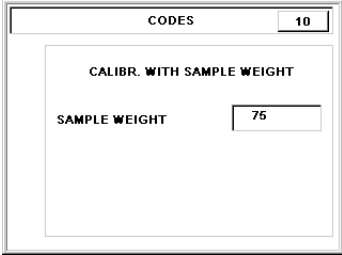
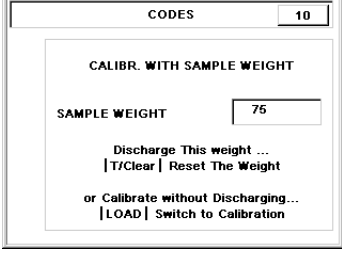
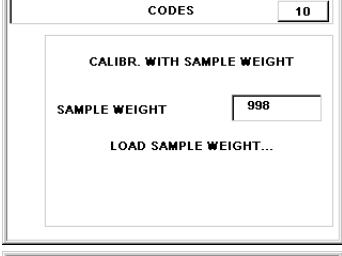
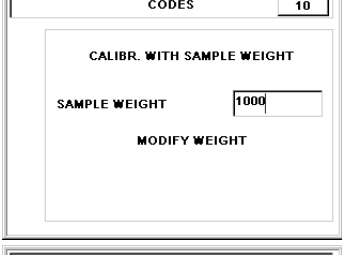
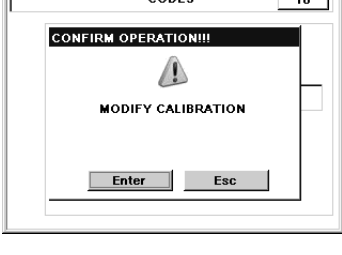
ACCESS TO THE CODE MENU

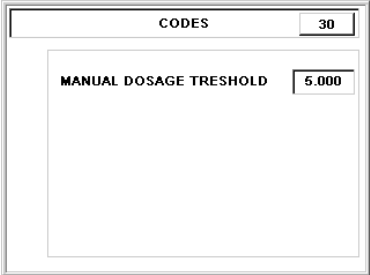
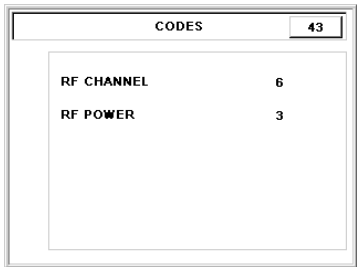

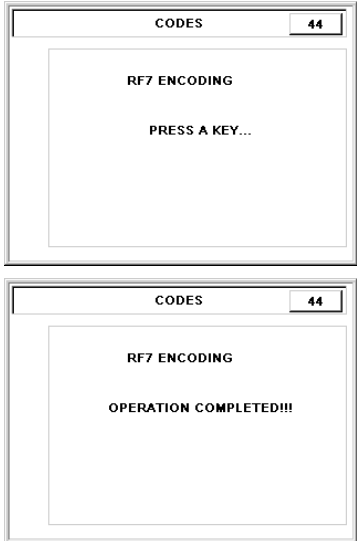
| FUNCTION | OPERATION | DISPLAY |
|--------------------------------|--|---|
| <p><u>CODE MENU</u></p> | <p>The weighing computers from the Advance line offer the possibility to set out some parameters, which are not usually visible in menus and submenus.</p> <p><i>Please remind that the scale can save date and time of access to the code menu, in order to allow the qualified staff to understand if any alteration has been carried out on the scale.</i></p> <p>In order to access the code menu, go to the total weight menu, and press the keys   at the same time for 3 seconds.</p> <p>If the procedure has been carried out successfully, the weighing computer rings out a sound, and the screen for code selection appears on the display.</p> <p>In the code menu it is possible:</p> <ul style="list-style-type: none"> ➤ press   to select the code ➤ press  to enter the change mode ➤ press   to select the different positions in the code ➤ press   to change the settings of the different positions in the code ➤ press  to save the changes carried out, or  to leave without saving any change ➤ press  to leave the code menu |  <p>The display shows the total weight menu with a digital scale icon. Below it, the 'R005: Recipe 05' menu is visible, showing 'T= 1560Kg' and 'Ar= 15.000Kg' with a cow icon and the number '104'. At the bottom, the 'CODES' menu is shown with '09' selected, and a sub-menu titled 'CAL. WITH REAL AND MEASURED WEIGHT' with 'MEASURED WEIGHT' and 'ACTUAL WEIGHT' both set to '75'.</p> |

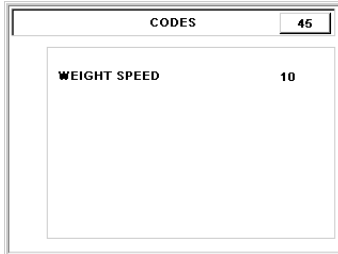
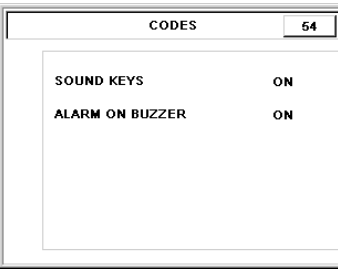
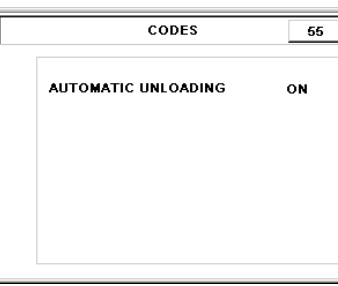
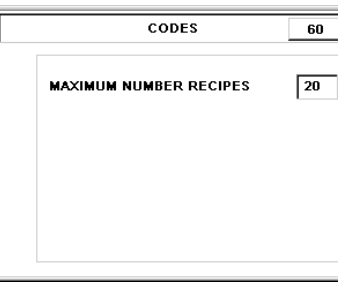
CODE LIST

| CODE | DESCRIPTION |
|-----------|--|
| Pw | Installer Password |
| 9 | Sharp calibration with measured and real value |
| 10 | Sharp calibration with sample weight |
| 30 | Manual dosage threshold |
| 43 | TR60 channel and power |
| 44 | RF7 encoding |
| 45 | Weight visualization speed |
| 54 | Keys and buzzer sound |
| 55 | Automatic unloading |
| 60 | Maximum Number Recipes |
| 81 | Printer activation and configuration |
| 83 | Activation print to USB |
| 84 | Multilink |
| 89 | PIN code |
| 90 | Character Size |
| 99 | Software version |

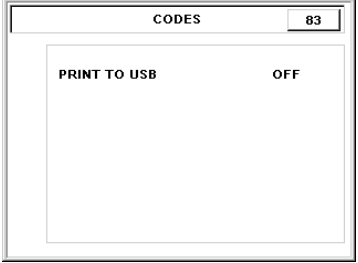

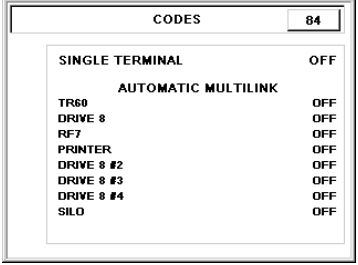
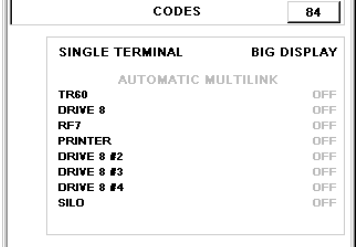
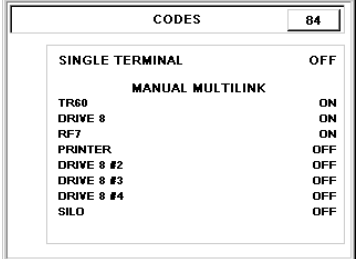
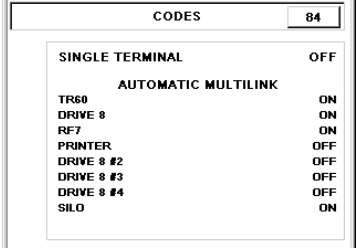
| CODE | DESCRIPTION | DISPLAY |
|---|---|---|
| <p align="center"><u>PW</u> Installer</p> | <p>The access to this code is reserved for the installer, and occurs by means of a password.</p> |  |
| <p align="center"><u>CODE 9</u> Sharp calibration with real and measured weight</p> | <p>In this code it is possible to carry out the calibration of the scale by knowing the real value of the weight currently measured by the scale.</p> <p>The weight value measured with the current calibration is indicated in the field MEASURED WEIGHT, while the value indicated in the field ACTUAL WEIGHT is the value which must be entered in order to change the calibration.</p> <p>For a better calibration, the weight must be as high as possible, in any case higher than 100 units: by lower weight values an error message appears, and it won't be possible to carry out the calibration.</p> |  |
| <p align="center"><u>CODE 9</u> EXAMPLE 1</p> | <p>Calibration of the weighing system with material present on the scale:</p> <ul style="list-style-type: none"> ➤ Note down the weight detected by the scale (e.g. 5300 kg) ➤ Take an amount of material away from the tank, and take it to an external scale. Note down the weight detected by the scale (e.g. 4750 kg) ➤ Calculate the amount of material unloaded as difference (e.g. 5300 – 4750 = 550 Kg) ➤ Weigh the material taken away from the tank on an external scale, and note down the weight value (e.g. 680 Kg). <p>Carry out code 9, by using the value 550 Kg as measured weight, and the value 680 Kg as real weight.</p> | |
| <p align="center"><u>CODE 9</u> EXAMPLE 2</p> | <p>Calibration of the weighing system without material on the scale:</p> <ul style="list-style-type: none"> ➤ Place a "known" amount of material (e.g. 992 Kg) on the scale ➤ Note down the weight value displayed on the scale (es. 997 Kg) <p>Carry out code 9, by using the value 997 Kg as measured weight, and the value 992 Kg as real weight.</p> | |

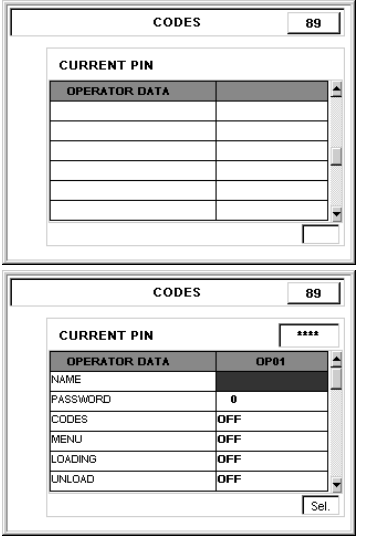
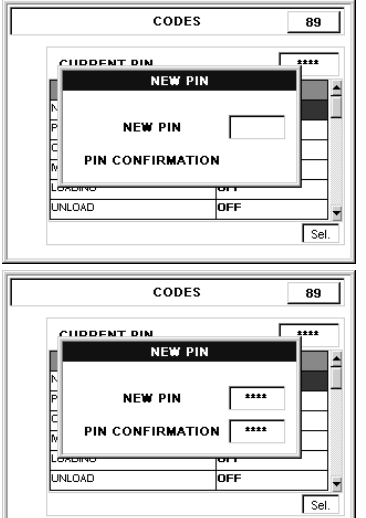
| CODE | DESCRIPTION | DISPLAY |
|--|---|---|
| <p style="text-align: center;">CODE 10</p> <p>Sharp calibration with sample weight</p> | <p>Our instruments are calibrated in our laboratory according to the type of load cells used. Precision depends on the application of the load cells and is closed to 0,1%. To reach a higher precision, it is necessary to set the scale to zero through Code 10 by using a sample weight of at least a fourth of the total weight. The lowest limit of weight is 100. When using our systems in very cold areas, it is necessary to switch the scale on at least 25/30 minutes before being used, in order to reach the right temperature of scale and load cells.</p> <p>In this code it is possible to carry out a sharp weight calibration through a sample weight.</p> <p>As for code 9, for a better calibration the weight must be as high as possible, in any case higher than 100 units: by lower weight values an error message appears, and it won't be possible to carry out the calibration.</p> <p>In order to carry out the calibration correctly:</p> <ul style="list-style-type: none"> ➤ press  to start the calibration ➤ if: <ul style="list-style-type: none"> ○ there is material on the scale, discharge it and reset the weight by pressing . ○ The sample weight is already present, go on to the calibration by pressing . ➤ Place the sample weight on the scale. ➤ If the weight: <ul style="list-style-type: none"> ○ is too low, the message LOW WEIGHT!!! appears. ○ changes quickly, the message UNSTABLE WEIGHT!!! appears. ○ is correct, press  to replace the weight value visualized with the sample weight value. ➤ Press  again to confirm the new calibration. |      |


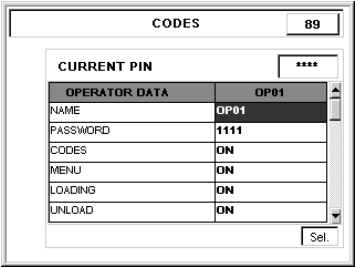
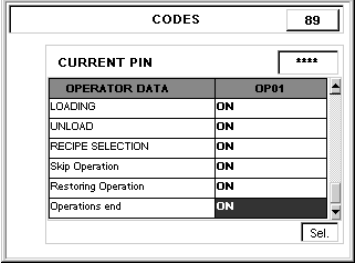
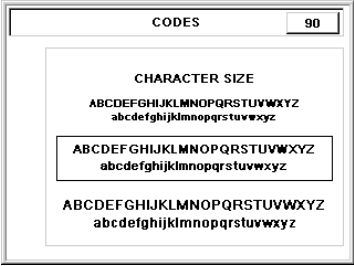
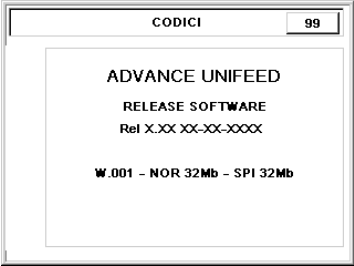
| CODE | DESCRIPTION | DISPLAY |
|--|--|---|
| <p align="center"><u>CODE 30</u></p> <p align="center">Manual dosage threshold</p> | <p>In this code it is possible to set out the weight threshold for the manual dosage of the component, that is the limit under which the component is manually dosed by the user, and the weight is not measured during the component loading.</p> <p>For instance, by setting out a threshold of 5,000 grammes, all components whose loading amount is lower than 5,000 grammes (5 kg) must be weighed externally, and then manually loaded, because the scale does not measure the component amount dosed into the wagon during the loading operation. This parameter is entered in Kg and is shown in grammes; it usually changes according to the sensibility of the load cells installed on the wagon.</p> <p>It is possible to enter values between 1 and 100Kg.</p> |  |
| <p align="center"><u>CODE 43</u></p> <p align="center">TR60 channel and power</p> | <p>In this code it is possible to set out the transmission channel and power, for the connection or TR60 portable devices.</p> <p>The access to this code is possible, only if in code 84:</p> <ul style="list-style-type: none"> • The connection to the single device AV40-5/AV50/AV80 is enabled • The position TR60 is enabled as MANUAL MULTILINK • The position TR60 is enabled as AUTOMATIC MULTILINK <p>It is possible to enter the following values:</p> <ul style="list-style-type: none"> • RF channel: 0, 2, 4, 6 • RF power: 0, 1, 2, 3 |  |
| <p align="center"><u>CODE 44</u></p> <p align="center">RF7 Encoding</p> | <p>In this code it is possible to configure the connection of the scale with RF7 portable devices.</p> <p>The access to this code is possible, only if in code 84:</p> <ul style="list-style-type: none"> • The position RF7 is enabled as MANUAL MULTILINK • The position RF7 is enabled as AUTOMATIC MULTILINK <p>After entering the code, press  to start the registration, and then press any key on the RF7 device to end it.</p> |  |

| CODE | DESCRIPTION | DISPLAY |
|--|---|--|
| <p align="center"><u>CODE 45</u></p> <p>Weight visualization speed</p> | <p>In this code it is possible to set out the weight visualization speed, that is the visualization speed from the moment in which the weight rests on the load cells, until the moment in which it is shown on the display.</p> <p>It is possible to set out the speed from 1 (very slow) to 20 (very quick).</p> |  <p>The screenshot shows a display window titled 'CODES' with the number '45' in the top right corner. Inside the window, the text 'WEIGHT SPEED' is displayed on the left, and the number '10' is displayed on the right.</p> |
| <p align="center"><u>CODE 54</u></p> <p>Keys and buzzer sound</p> | <p>In this code it is possible to activate (ON) or deactivate (OFF) the sound:</p> <ul style="list-style-type: none"> • When an event occurs after pressing a key (SOUND KEYS) • When the events associated to the external alarm occur (ALARM ON BUZZER) |  <p>The screenshot shows a display window titled 'CODES' with the number '54' in the top right corner. Inside the window, there are two lines of text: 'SOUND KEYS' followed by 'ON' on the right, and 'ALARM ON BUZZER' followed by 'ON' on the right.</p> |
| <p align="center"><u>CODE 55</u></p> <p>Automatic unloading</p> | <p>In this code it is possible to activate (ON) or deactivate (OFF) the procedure of AUTOMATIC UNLOADING.</p> <p>When this code is activated, the unloading operation is automatically started by the scale at the end of the loading operation.</p> |  <p>The screenshot shows a display window titled 'CODES' with the number '55' in the top right corner. Inside the window, the text 'AUTOMATIC UNLOADING' is displayed on the left, and 'ON' is displayed on the right.</p> |
| <p align="center"><u>CODE 60</u></p> <p>Maximum Number Recipes</p> | <p>By this code you can set the maximum number of recipes you can manage from the scale.</p> <p>The maximum number of recipes will be change every time the scale will be programmed by means of data from Super Data Mix or PTM Management.</p> <p>You can set the a maximum number of recipes between 20 and 150.</p> |  <p>The screenshot shows a display window titled 'CODES' with the number '60' in the top right corner. Inside the window, the text 'MAXIMUM NUMBER RECIPES' is displayed on the left, and the number '20' is displayed on the right.</p> |

| CODE | DESCRIPTION | DISPLAY | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|--|---------|-----|--------------|-----|-----------|-----|------------|-----|----------------|-----|------------------|-----|--------------------|---|--------------|---|--------------------|----|---------|----|--------------|----|-----------|----|------------|----|----------------|----|------------------|----|--------------------|---|--------------|---|--------------------|----|
| <p style="text-align: center;">CODE 81</p> <p>Printer activation and configuraton</p> | <p>In this code it is possible to enable (ON) or disable (OFF) a printer connected to the scale and set out the type of data to print.</p> <p>The access to this code is possible, only if in code 84:</p> <ul style="list-style-type: none"> • The position PRINTER is enabled as MANUAL MULTILINK • The position PRINTER is enabled as AUTOMATIC MULTILINK <p>In detail, the positions are referred to:</p> <p>INTRODUCTION Enabling/disabling the printing of the introduction sentence.</p> <p><u>Anim. Nr.</u> Enabling/disabling the printing of the number of animals associated to the recipe.</p> <p><u>An. Ration</u> Enabling/disabling the printing of the ration of each animal of the recipe.</p> <p><u>START/END TIME</u> Enabling/disabling the printing of the operation start/end time.</p> <p><u>CONSUMPTION NULL</u> Enabling/disabling the printing of the components with null consumption in the menu COMPONENTS CONSUMPTIONS.</p> <p><u>FINAL POWER SUPPLY</u> Enabling/disabling the printing of some empty lines, in order to make it easier to cut out the paper at the end of the printing process.</p> <p><u>PRINT NUMBER</u> It is possible to activate the printing of 1 to 3 copies.</p> <p><u>PRINT WAITING TIME</u> It is possible to set out a waiting time between a copy and the next, in order to allow the operator to cut out the paper correctly at the end of each printing process.</p> | <div style="border: 1px solid black; padding: 5px; margin-bottom: 10px;"> <p style="text-align: right;">CODES 81</p> <hr/> <table style="width: 100%; border-collapse: collapse;"> <tr><td>PRINTER</td><td style="text-align: right;">OFF</td></tr> <tr><td>INTRODUCTION</td><td style="text-align: right;">OFF</td></tr> <tr><td>Anim. Nr.</td><td style="text-align: right;">OFF</td></tr> <tr><td>An. Ration</td><td style="text-align: right;">OFF</td></tr> <tr><td>START/END TIME</td><td style="text-align: right;">OFF</td></tr> <tr><td>CONSUMPTION NULL</td><td style="text-align: right;">OFF</td></tr> <tr><td>FINAL POWER SUPPLY</td><td style="text-align: right;">4</td></tr> <tr><td>PRINT NUMBER</td><td style="text-align: right;">1</td></tr> <tr><td>PRINT WAITING TIME</td><td style="text-align: right;">5s</td></tr> </table> </div> <div style="border: 1px solid black; padding: 5px;"> <p style="text-align: right;">CODES 81</p> <hr/> <table style="width: 100%; border-collapse: collapse;"> <tr><td>PRINTER</td><td style="text-align: right;">ON</td></tr> <tr><td>INTRODUCTION</td><td style="text-align: right;">ON</td></tr> <tr><td>Anim. Nr.</td><td style="text-align: right;">ON</td></tr> <tr><td>An. Ration</td><td style="text-align: right;">ON</td></tr> <tr><td>START/END TIME</td><td style="text-align: right;">ON</td></tr> <tr><td>CONSUMPTION NULL</td><td style="text-align: right;">ON</td></tr> <tr><td>FINAL POWER SUPPLY</td><td style="text-align: right;">4</td></tr> <tr><td>PRINT NUMBER</td><td style="text-align: right;">1</td></tr> <tr><td>PRINT WAITING TIME</td><td style="text-align: right;">5s</td></tr> </table> </div> | PRINTER | OFF | INTRODUCTION | OFF | Anim. Nr. | OFF | An. Ration | OFF | START/END TIME | OFF | CONSUMPTION NULL | OFF | FINAL POWER SUPPLY | 4 | PRINT NUMBER | 1 | PRINT WAITING TIME | 5s | PRINTER | ON | INTRODUCTION | ON | Anim. Nr. | ON | An. Ration | ON | START/END TIME | ON | CONSUMPTION NULL | ON | FINAL POWER SUPPLY | 4 | PRINT NUMBER | 1 | PRINT WAITING TIME | 5s |
| PRINTER | OFF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INTRODUCTION | OFF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Anim. Nr. | OFF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| An. Ration | OFF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| START/END TIME | OFF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CONSUMPTION NULL | OFF | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FINAL POWER SUPPLY | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PRINT NUMBER | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PRINT WAITING TIME | 5s | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PRINTER | ON | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| INTRODUCTION | ON | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Anim. Nr. | ON | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| An. Ration | ON | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| START/END TIME | ON | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| CONSUMPTION NULL | ON | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| FINAL POWER SUPPLY | 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PRINT NUMBER | 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| PRINT WAITING TIME | 5s | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| CODE | DESCRIPTION | DISPLAY |
|---|---|--|
| <p style="text-align: center;">CODE 83</p> <p>Activation print to USB</p> | <p>In this code it is possible to enable (CSV) or disable (OFF) the digital print in CSV format to the USB pendrive.</p> <p>After enabling the digital print in CSV format, it is possible to access the submenu USB PRINT in the weighing computer.</p> |   |
| <p style="text-align: center;">CODE 84</p> <p>Multilink</p> | <p>In this code it is possible to activate (ON) or deactivate (OFF) the devices connected to the scale by means of MULTILINK connection.</p> <p>It is possible to set out the use of a single terminal, by selecting it among the following options:</p> <ul style="list-style-type: none"> • MV6/AV20-5 (repeater display) • BIG DISPLAY (repeater display) • AV40-5/AV50/AV80 (repeater display and portable display) <p>Otherwise it is possible to use more devices connected at the same time:</p> <ul style="list-style-type: none"> • By leaving the system the possibility to detect the connected devices (AUTOMATIC MULTILINK) • By enabling (ON) or disabling (OFF) manually (MANUAL MULTILINK) the following devices: <ul style="list-style-type: none"> ○ TR60: RF-antenna for portable display AV50/AV60/AV65/AV80 ○ DRIVE8: I/O board ○ RF7: RF-antenna for radio control ○ PRINTER (printer) ○ DRIVE 8 #2: Second I/O board ○ DRIVE 8 #3: Third I/O board ○ DRIVE 8 #4: Fourth I/O board ○ SILO |     |

| CODE | DESCRIPTION | DISPLAY |
|---|--|--|
| <p style="text-align: center;"><u>CODE 89</u></p> <p style="text-align: center;">Operator PIN Code</p> | <p>In this code it is possible to activate the Operator PIN Code request, to prevent the access to some menus, submenus and functions to non qualified/authorized personnel.</p> <p>It is possible to insert up to 20 operators by differentiating menus, submenus and accessible functions.</p> <p>The access to the code can be done only by inserting the Administrator PIN Code.</p> <p>The scale is equipped with deactivated PIN code (0000).</p> <p>If a PIN code different from 0000 is activated at the start of the scale, the PIN insertion will be required to go ahead.</p> <p><u>NOTE: if the Administrator loses/forgets his PIN code, it is possible to enter the CODE 89 by inserting the OEM password and change the administrator PIN code.</u></p> |  |
| <p style="text-align: center;"><u>CODE 89</u></p> <p style="text-align: center;">Activation Deactivation PIN Code</p> | <p>To activate the PIN code request you need to insert in the square EXISTING PIN the code PIN 0000 and the new PIN code with 4 figures inside the squares NEW PIN and PIN CONFIRMATION.</p> <p>To deactivate the PIN code you need to insert the PIN code with 4 figures used inside the square EXISTING PIN and the code PIN 0000 in the squares NEW PIN and PIN CONFIRMATION.</p> <p>By confirming the insertion the function of PIN code request will be activated.</p> |  |

| CODE | DESCRIPTION | DISPLAY |
|---|---|---|
| <p align="center"><u>CODE 89</u></p> <p align="center">PIN Code Activation Deactivation</p> | <p>For each operator it is possible to insert an identifying name and a PIN code.</p> <p>The menus/functions that can be enabled for each operator are:</p> <ul style="list-style-type: none"> • CODES ACCESS • MENU ACCESS • LOAD PROGRAMMING • UNLOAD PROGRAMMING • RECIPE SELECTION • SKIP OPERATIONS (component loading, final mixing, final top cut, group unloading) • RECOVER OPERATIONS (component loading quantity, group unloading quantity) • OPERATIONS END (component loading, final mixing, final top cut, group unloading) <p>Press  to select the different operators.</p> |   |
| <p align="center"><u>CODE 90</u></p> <p align="center">Character Size</p> | <p>In this code you can set the size of characters which compose the writings visualized on the scale screens.</p> |  |
| <p align="center"><u>CODE 99</u></p> <p align="center">Software version</p> | <p>In this code it is possible to visualize the software version installed on the scale, and the model of display for which the installed software is arranged.</p> |  |

PRINT EXAMPLES

COMPONENTS CONSUMPTIONS

Print obtained by pressing Print from the menu COMPONENTS CONSUMPTIONS:

```

*****
PTM S.r.l.
0039-030-9952733
-----
COMPONENTS CONSUMPTIONS
-----
N.                Kg
-----
01 Grass          4151
02 Hay            1420
03 Straw          1241
04 Silage         4930

97                0
98                0
99                0
*****
    
```

Detail PRINT FIELDS:

- 1 INTRODUCTION
- 2 PRINT TITLE
- 3 COMPONENT NUMBER
- 4 COMPONENT NAME
- 5 CONSUMED QUANTITY

(The numbers refer to the red dotted boxes of the print on the right, and are assigned progressively from the top to the bottom, and from the left to the right)

LOADING

Automatically at the end of the recipe loading:

```

*****
PTM S.r.l.
0039-030-9952733
-----
R005: Recipe 05
REMAININGS          -1
Num Anim.           104
Anim. Rat.          15.000
START 27/12/12 *14:43
END 27/12/12 *14:45
LOADING
-----
N.          NOMINAL REAL
-----
01 Grass    104    326
02 Silage   208    236
03 Water    312    338
04 Barley   416    488
05 Feed     520    591

TOT.        1560   1979
*****
    
```

Detail PRINT FIELDS:

- 1 INTRODUCTION
- 2 RECIPE NUMBER
- 3 RECIPE NAME
- 4 TOTAL REMAININGS
- 5 NUMBER OF ANIMALS
- 6 RATION PER ANIMAL
- 7 DATE AND TIME START OPERATION
- 8 DATE AND TIME END OPERATION
- 9 OPERATION TYPE
- 10 COMPONENT NUMBER
- 11 COMPONENT NAME
- 12 NOMINAL QUANTITY TO LOAD
- 13 REAL LOADED QUANTITY
- 14 TOTAL NOMINAL QUANTITY
- 15 TOTAL LOADED QUANTITY

(The numbers refer to the red dotted boxes of the print on the right, and are assigned progressively from the top to the bottom, and from the left to the right)

UNLOADING

Automatically at the end of the recipe unloading:

PTM S.r.l.
0039-030-9952733

R005: Recipe 05
Num Anim. 104
Anim. Rat. 15.000
START 27/12/12 *14:46
END 27/12/12 *14:50

UNLOADING

N. NOMINAL REAL

| | | | |
|----|----------|------|------|
| 01 | Group 01 | 60 | 62 |
| 02 | Group 02 | 105 | 110 |
| 03 | Group 03 | 285 | 289 |
| 04 | Group 04 | 1110 | 1154 |

TOT. 1560 1615

Detail PRINT FIELDS:

- 1 INTRODUCTION
- 2 RECIPE NUMBER
- 3 RECIPE NAME
- 4 NUMBER OF ANIMALS
- 5 RATION PER ANIMAL
- 6 DATE AND TIME START OPERATION
- 7 DATE AND TIME END OPERATION
- 8 OPERATION TYPE
- 9 GROUP NUMBER
- 10 GROUP NAME
- 11 NOMINAL QUANTITY TO UNLOAD
- 12 REAL UNLOADED QUANTITY
- 13 TOTAL NOMINAL QUANTITY
- 14 TOTAL UNLOADED QUANTITY

(The numbers refer to the red dotted boxes of the print on the right, and are assigned progressively from the top to the bottom, and from the left to the right)

OPTIONALS

All weighing computers belonging to the ADVANCE UNIFEED line can be connected to the following optionals:

➤ **REPEATER DISPLAYS:**

- **AV20-5:** external display connected with the system through RS232-connection cable. It is provided with an internal software for the double control on data receipt and for the signalling of anomalies in transmission
- **REPEATER DISPLAY BIG DISPLAY:** display with big numbers, connected with the system through RS232-connection cable. It is provided with an internal software for the double control on data receipt and for the signalling of anomalies in transmission
- **REPEATER DISPLAY AV40-5:** external display connected with the system through RS232-connection cable. It is provided with an internal software for the double control on data receipt and for the signalling of anomalies in transmission

➤ **REMOTE DISPLAYS:**

- **AV50, AV60, AV65:** portable display, connected with the system in radio frequency. It allows to handle all the operations carried out by the weighing computer.
- **AV80:** portable display, connected with the system in radio frequency. It allows to handle the loading and unloading operations saved in the weighing computer

➤ **MULTILINK TR60:** RF ANTENNAS FOR PORTABLE DISPLAYS **AV50, AV60, AV65, AV80**

➤ **COMPONENTS AUTOMATIC LOADING:**

- **MULTILINK TR61:** RF ANTENNAS
- **4IN-12OUT BOARDS:** BOARD WITH 4 INPUTS AND 12 OUTPUTS
- **16OUT BOARDS:** 16 OUTPUTS BOARDS

➤ **MULTILINK DRIVE 8: I/O BOARD**

➤ **MULTILINK RF7:** RF ANTENNA FOR RADIO CONTROL RF7

➤ **MULTILINK STAMPANTE:** MODEL **P255/P256/P260/P261**

➤ **MULTILINK DRIVE 8: I/O BOARD #N° 2**

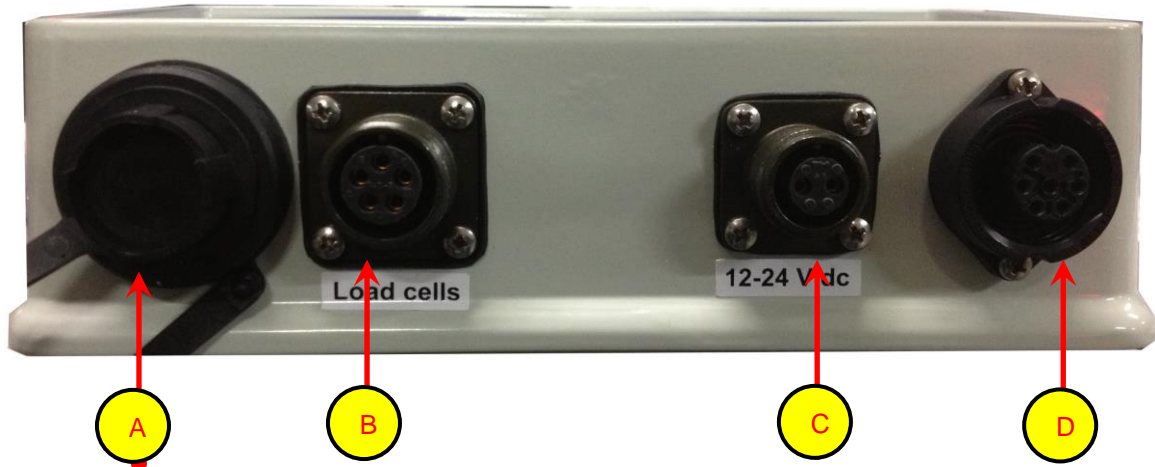
➤ **MULTILINK DRIVE 8: I/O BOARD #N° 3**

➤ **MULTILINK DRIVE 8: I/O BOARD #N° 4**

➤ **INVERTER**

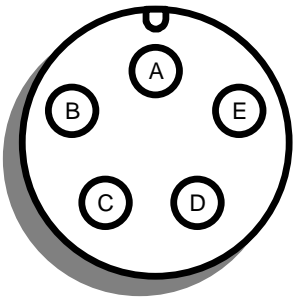
➤ **POWER SUPPLIER**

CONNECTORS PLAN



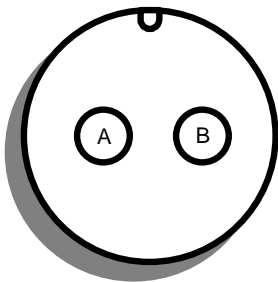
- Connector "A": USB connector to insert the pendrive (optional)
- Connector "B": 5-pin female connector for the connection of load cells.
- Connector "C": 2-pin female connector for power supply.
- Connector "D": 7-pin female connector for optionals.

CONNECTOR "B" – 5-PIN FEMALE CONNECTOR FOR THE CONNECTION OF LOAD CELLS



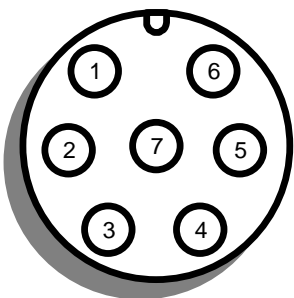
| CONTACT | FUNCTION |
|---------|-----------------------|
| A | Negative signal |
| B | Positive power supply |
| C | Positive signal |
| D | Negative power supply |
| E | Not used |

CONNECTOR "C" – 2-PIN FEMALE CONNECTOR FOR POWER SUPPLY



| CONTACT | FUNCTION |
|---------|---|
| A | +12 V cc, Positive power supply |
| B | -12 V common - GND, Negative power supply |





CONNECTOR "D" – 7-PIN FEMALE CONNECTOR FOR DISPLAYS AND OPTIONALS



| CONTACT | FUNCTION |
|---------|--|
| 1 | + 12 Volt cc (max 2 A) |
| 2 | Not used |
| 3 | Rx serial RS232 repeater display |
| 4 | Tx serial RS232 repeater display |
| 5 | +12 V cc (with passage for on/off contact - max 0.5 A) |
| 6 | Out Alarm |
| 7 | -12 V GND (common power supply) |

TROUBLE SHOOTING

| ERROR DESCRIPTION | ACTION TO CARRY OUT | EFFECT | SOLUTION | |
|--|---|---|---|---|
| <p>Unstable weight: the weight value shown goes up and down steadily</p> <p>Weight drifts: the weight shown either increases or decreases steadily</p> <p>ErrorH: Scale out of range for positive values</p> <p>ErrorL: Scale out of range for negative values</p> | <p>For Graphic models: keep the key T/CLEAR pressed.</p> <p>For HL models: press T/CLEAR and then Enter.</p> | <p>The message ERROR disappears and the weight becomes stable.</p> | <p>The scale was out of range; by pressing the key T/CLEAR the problem was solved through the scale software.</p> | |
| | <p>2</p> <p>Disconnect the 5-pin connector (metal circular connector) of the load cell cable from the scale.</p> | <p>Either the message ERROR is still shown on the display, or the weight is visualized in an unstable way.</p> | <p>Check the integrity of the weighing system and of the load cells. To better understand what is broken, carry out the action described in the next point. 2</p> | |
| | | <p>Weight still fluctuates / drifts / shows ERROR.</p> | <p>Check if the 5-pin female connector of the scale has humid contacts. If so, use warm air to dry off the connector (use for instance a hairdryer). If after this operation the weight still fluctuates, contact service.</p> | |
| | <p>3</p> <p>Disconnect the junction cable from all the load cells and reconnect the 5-pin connector to the scale, avoiding the contact between the different connection wires.</p> | <p>Weight gets stable, even though a wrong value is shown.</p> | <p>Carry out the action described in the next point: 3</p> | |
| | | <p>Weight still fluctuates / drifts / shows ERROR.</p> | <p>Check if the cable is damaged; if so, replace it. Check if the junction box contains humidity; if so, dry the junction box.</p> | |
| | <p>4</p> <p>Set the tare to zero on the weighing computer (by pressing the key T/CLEAR for Graphic models, by pressing T/CLEAR and then Enter for HL models). Wait for some seconds. Connect one single load cell to the junction cable, by connecting each single wire colour by colour, and pay attention that the wires do not touch each other.</p> | <p>Weight gets stable.</p> | <p>The reason of the problem is that one or more load cells do not work properly. To better understand the cause of the failure, carry out the action described in the next point. 4</p> | |
| | | <p>Weight still fluctuates / drifts / shows ERROR.</p> | <p>The connected load cell doesn't work properly; contact service.</p> | |
| | <p>5</p> <p>Make sure that the cables of the load cells are not torn or crushed.</p> | <p>The cables are seriously damaged or broken.</p> | <p>Replace the damaged cables.</p> | |
| | | <p>6</p> <p>Check that the tank, or the device receiving the weight, does not touch the frame in any point.</p> | <p>The cables are intact.</p> | <p>Carry out the action described in the next point: 6</p> |
| | | | <p>The tank lays on the frame.</p> | <p>Arrange for the tank not to touch the frame in any point.</p> |
| <p>The tank does not lay on the frame.</p> | | <p>Contact service.</p> | | |

| ERROR DESCRIPTION | ACTION TO CARRY OUT | EFFECT | SOLUTION |
|---|---|--|---|
| The weighing scale switches off, when the alarm starts to ring. | Disconnect the 2-pin connector of the alarm from the cable controlling it. | The scale works properly. | The alarm doesn't work properly and must be replaced. |
| |  Disconnect the cable controlling the alarm of the scale, by means of the 7-pin connector. | The scale still switches off. | The cause could lie in the cable controlling the alarm. Carry out the action described in the next point:  |
| | | The scale works properly. | The cable controlling the alarm is damaged. Replace it. |
| | The scale still switches off. | Contact service. | |
| The weight shown by the scale is not correct. | Carry out a new calibration of the system as indicated in the specific documentation. | The weight shown is correct. | The calibration of the system was successful. |
| | | The weight shown is not correct. | Contact service. |
| The scale does not switch on, or the message Low Bat appears. | Check if the power supply complies with the technical features of the product. | The scale switches on. | |
| | | The scale does not switch on: go on to the next point.  | |
| |  Check if the power supply cable is interrupted or damaged, and if the power plug and the battery clamps are oxydated. If necessary, replace them. | The scale switches on. | |
| | | The scale does not switch on. | Contact service. |

PTM IN THE WORLD

| | |
|--|--|
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DISPOSAL REGULATIONS



Disposal of electric and electronic products at the end of work cycle

The crossed garbage bin symbol means that the product must be collected separately from other waste at the end of its useful life. Do not dispose of the product in the domestic litter bin. Check local regulations for further information regarding the disposal of electronic products.

DECLARATION OF CONFORMITY

The included products satisfy the requirements of the Directive 2004/108/CE.

Manufacturer's name **P T M S.r.l.**
Manufacturer's address **Via per Isorella 22A 25010 Visano BS ITALY**

DECLARES THAT THE FOLLOWING PRODUCTS

Product name **WEIGHTING SYSTEM**
Modelli **ADVANCE – ADVANCE USB – ADVANCE SUPER USB**

IN ACCORDANCE WITH EMC SPECIFICATION BASED ON THE FOLLOWING RULES

EN 61000-6-3 (2007)

EN 55022 (2009) **IRRADIATED EMISSION CLASS B**

EN 55022 (2009) **LEADED EMISSION CLASS B**

-EN61000-6-1 (2007)

IEC 61000-4-2 (2011) **Electrostatics discharging STANDARD B**

IEC 61000-4-3 (2011) **Irradiated fields STANDARD A**

IEC 61000-4-4 (2010) **Quickly Transistor/Burst STANDARD B**

IEC 61000-4-5 (2007) **Pulses/Surges STANDARD B**

IEC 61000-4-6 (2011) **Interferences caused by radio frequency fields STANDARD A**

SIGNAL AND SUPPLY LINES: DIRECT CURRENT

The products have been tested under a typical configuration.

VISANO 28-02-2012

Compliance Engineer
Ing. Vittorio Michelotti

In Europe: Get in touch with sales and service department
Ptm s.r.l. via per Isorella 22/A 25010 Visano (BS).
Tel. +0039 030-9952733 Fax +0039 030-9952818

WARRANTY

PTM production represents the expression of the most advanced technology in the field of dosing and weighing systems. Employed materials are of the highest qualitative level present in the market. Each device, before leaving our laboratories, is submitted to foreseen checks and control tests. Things being so we are able to guarantee the systems to be free from defects in material and factory workmanship for a period of 24 months from purchase date.

However, during warranty period, PTM engages itself to freely repair or replace the faulty spare-parts charging only the labour and carriage charges. Warranty has to be considered on "Free PTM Visano headquarter" basis.

Conditions:

This warranty does **not cover**:

- Damages caused during transport or movement of the goods, since products are furnished on ex works loaded basis.
- Costs and risks of transport related, directly or indirectly, to warranty of the product. It is also referring to the carriage from assistance centre to customer and vice versa.
- Periodical controls, handlings and reparations or replacements of spare parts, due to normal wear and tear of time.
- Accidental breakages, due to incorrect use or carelessness.
- Costs born by PTM Assistance centres for modifications or necessary interventions said to adapt the product to specific technical or security needs, or in order to adhere the rules of the different Countries, as well as for all charges to be born to match products with modified operatives conditions which occurred after relevant delivery.
- Violation, cancellation, removal of identification label which is always stuck on our products.
- Damages to this product due to carelessness, falls, displacements, incorrect use and because of following reasons:
 - Missing use of the product for its own normal purposes or in case of improper use and handling of the products and so not in conformity with PTM instructions at this matter.
 - Not observance of installation and use instructions or use in contrast with security or technical rules in force in the Country where the product has to be used.
 - Reparations made by people or assistance centres not duly authorised by PTM.
 - Accidents or consequences due to theft of vehicle transporting PTM product, acts of vandalism, thunderbolts, fire, humidity, liquid infiltrations, inclemency of the weather.
 - Addition or integration in device neither furnished nor recommended by PTM, failing expressed written agreement.
 - Use for a different purpose than what the product is destined.

To get the warranty acknowledgement it is necessary to keep a document which is fiscally valid and proving the date of purchase.

This warranty does not prejudice customer's rights duly reserved by the Law as well as the national rules still into force, not even prejudice customer's rights towards the seller coming from purchase and sale contract.

In case of lack of a national law this warranty will be the only and mere customer's protection and, neither PTM nor its distributor will be responsible for any accidental or in direct damage, for the violation of any implicit or explicit warranty of this product

