SC-A10 Manual

User

SC-A1

Advanced weighing equipment with ABS or INOX finish, backlit LCD display with 3 numeric display fields and alphanumerical keyboard.

2017-02-14

COMPLETE USER MANUAL

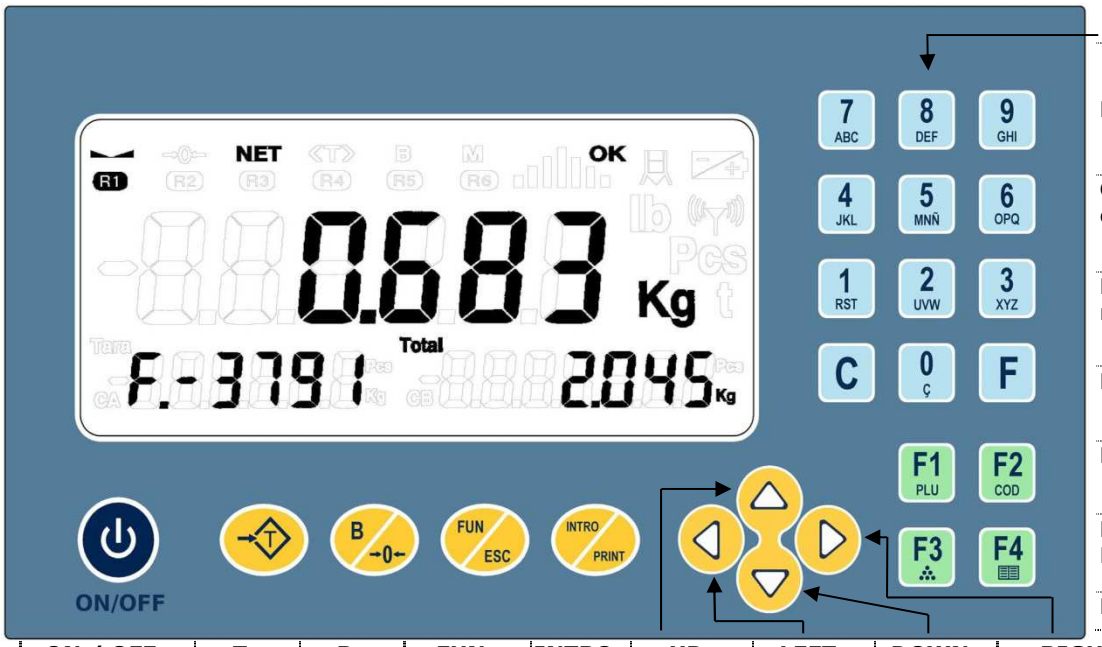
Features

- **Weight-Tare-Piece counter** with possibility of **options and add-ons**.
- **Keys exclusively for the** classic weighing system, similar to previous units, in the line of **SC10**.
- **Clear, intelligible** weighing **symbols** for improved, more **convenient reading** of the data displayed.
- Printing of **weight** on the platform with **large**, **notable size**.
- **Clock/Calendar** fitted as standard.
- Quicker weighing **system** optimized for greater **fluidity, accuracy** and exactness.
- **Intuitive** menu system.
- Enter menu with fully configurable, flexible **scale**, **fraction** and **decimals**.
- **Auto-calibration** without having to re-adjust the weight when changing scales.
- **On/off** by key.
- Option to **manually set** the weight, for optimal, quick calibration.
- **Piece counter** function with more than **a million internal** points.
- Dedicated **animal weighing function** as standard.
- Smart **display-repeater function**, with possibility of repeating most **market protocols**.
- **Extended accumulation**: millions of accumulations with 64 bit totaliser.
- **Standard manual** tare.
- **Accumulation** and **auto-accumulation** of serial weighings.
- **Automatic totalling** of serial weighings.
- **Accumulated Grand Total**.
- Configurable number of **lines** to finish ticket and delays per printed line.
- **Repeat ticket** and optional **ticket per weighing**.

  Note: If the equipment shuts down with an open ticket, when restarting the equipment will continue with the ticket but can not be repeated, unless the equipment has DSD memory, in which case the ticket may be repeated using the option DSD in the user menu.
- Dedicated selectable connection to the **most used printers**.
- **Label** printing function (connection to Godex and Zebra labeller).
- Possibility of serial communications up to **115200 baud rate**, N81, E71 and O71.
- **Self-test of the default serial communication channels**.
- Continuous programmable **send time**.
- Optional **auto-zero in negative** to prevent zero errors of the scales in hostile environments.
- Energy-saving and optimisation measures: **low consumption mode and programmable power-off due to inactivity**.
- **Transfer of external data** and configuration **from PC** of the display parameters.
- Battery status **indicator** (in versions with battery).
- Possibility of **independent auto-calibration** of each display.
- **Multirange** totally programmable, flexible twin scales.
- **Linearisation** up to 16 points which can be easily defined by the user.
- GROSS-TARE-NET special **discharge function** ticket as standard.
- Large selection of **compatible printers** with optional auto-cutter.
- **Auto-calibration** of analogue cell systems
- **Customer-programmable password**.
- **SENSORED** communication system and **network connection** of indicators (for RS485 wired networks) for customized weighing applications
- 6 **languages**: Spanish, Portuguese, French, Italian, English and German.
- Includes USB connector for standard PC keyboard.

INDEX

1 KEYBOARD



NUM: Numeric keyboard

C: Delete figure, number or literal.

F: Validate figure, number, literal, option.

F1: Totalize

F2: Tares / Codes

F3: Rapid Manual Tare/ Piece Counter

F4: User Menu

ON / OFF: Turn ON / Turn OFF	**T**: Tare	**B**: Zero / Gross	**FUN**: Function (auxiliary)	**INTRO**: Intro / Print	**UP:** Up / Increm.	**LEFT:** Exit / Return	**DOWN:** Down / Decrem.	**RIGHT:** Enter / Change Option

Environment	*Key*	*Descriptions (standard functions)*
Always	**ON/OFF**	With the equipment power off, pressing the key turns the equipment **ON**. With the equipment power on, long press the key (more than 2 seconds) turns the equipment **OFF**.
Direct access	**F1**	**TOTALIZE**. With relay opion will enter in **RELAY MENU**.
	F2	Selection/Edition of **SAVED MANUAL TARE** with numeric code (up to 255). Edition of UNIT WEIGHT PIECE COUNTER (if active).
	F3	Switches the display between WEIGHT and PIECES (if active). **QUICK MANUAL TARE** in weight mode.
	F4	Key for direct Access to the **FUNCTIONS MENU.**
Weighing	**T**	Carries out **TARE / TARE LOCK (2 quick press of T key) / TARE UNLOCK**.
	B	**ZERO** is set. If there is a tare, the weight display mode is: **NET / GROSS**.
	FUN	**SPECIAL FUNCTION** key to combine with any of the others: **- INTRO**: **TOTALISE** in the Relay Programs.
	INTRO	The weighing is **ACCUMULATED** and **PRINTED** through RS232. If there is an active dosing program, the **START** function is carried out.
Flechas: Pesaje/ Navegación por códigos	**UP**	Moving between menus, allows to move to the next menu in the navigation
	LEFT	**LEAVE** the menu or option.
	DOWN	Moving between menus, allows to move to the previous menu in the navigation
	RIGHT	**ENTER** the submenu or change the option.

2 FUNCTIONS MENU

To enter: F4
(*The optional ones are shaded*)

Option	*Description*	*Actions*
➢ **-CODE-**	Code of weighing in progress.	(0.. 255) **NUM** to modify code (numeric or alphanumeric) **C** delete flashing digit. **UP/DOWN** to increase/decrease the numeric code. **F2** to change between numeric and alphanumeric code. **F** to select/validate/save the code. **LEFT** to exit without saving.
➢ **N.LABEL. (**)**	Label number.	(0..255) (The label 255 corresponds to the Total). **NUM** to enter the label number. **F** to validate/save the code. **LEFT** to exit without saving. (Appears only when in the Programming Menu some labeler have been selected). *NOTE: See **Programming Manual** for more information.*
➢ **TICKET(***)**	Delivery note number.	(6 decimal digits). **NUM** to enter the number of Ticket/Delivery. **C** delete flashing digit. **F** to validate/save the number of Ticket. **LEFT** to exit without saving. If 0, it will not appear in the ticket. Otherwise it will increase automatically. (Does not appear on equipment with the DSD option)
➢ **TIK.REP.**	Repeat ticket	(0. .15 automatic tickets). **UP/DOWN** to increase/decrease value. **NUM** to edit value. **C** delete flashing digit. **F** to validate/save the value. **LEFT** to exit without saving. Each time a ticket is closed, proceed in accordance with the values: -0: Normal operation. -1: You will be asked whether to repeat the ticket. -2. .15: There will be as many tickets as the value.
➢ **SUBTOT**	Shows the accumulated weight subtotal so far.	It shows the number of total accumulated weighings and the total weight of the current ticket or the previous one if it is been already closed. It leaves the option after displaying the number of weighings and the accumulated weight.
➢ **AUTOAC**	Auto-accumulation when stability is reached.	(Yes/No) **UP/DOWN** to change between Yes/NO. **F** to validate/save the option. **LEFT** to exit without saving.
➢ **AUT.TAR**	Auto Tare when stability is reached after passing through zero.	(Yes/No) **UP/DOWN** to change between Yes/NO. **F** to validate/save the option. **LEFT** to exit without saving.
➢ **NU.ACUM(*)**	Number of accumulations before automatic totalling.	(0. .255 accumulations). **UP/DOWN** to increase/decrease value. **NUM** to edit value. **C** delete flashing digit. **F** to validate/save the value. **LEFT** to exit without saving.
➢ **W.UNIQ.**	Single weighing mode selection.	(Yes/No) **UP/DOWN** To change between Yes/NO. **F** to validate/save the option. **LEFT** to exit without saving. There will be a complete ticket for each weighing (and also when totalising weighing).

➢ **BIG.TOT**	Grand Total. Shows the accumulated weight total since the last time its value was reset.	It shows the grand total of accumulated weighings and the grand total accumulated weight. **INTRO** to show the accumulated grand total. **INTRO** during scroll: Prints and deletes the accumulated grand total.
➢ **F.WEIGHT**	It displays the maximum weight. When pushing [INTRO] the memorized weight is erased and recalculates a new maximum.	(Yes/No) **UP/DOWN** To change between Yes/NO. **F** to validate/save the option. **LEFT** to exit without saving.
➢ **HI-RES**	High resolution. Shows the weight with another precision digit (Weight x 10)	Displays wieght in high resolution. (x10) **B** performs a ZERO in equipment. **LEFT** to exit.
➢ **PIECES**	Advanced piece counter. Selects Piece counter mode	(Yes/No) **UP/DOWN** To change between Yes/NO. **F** para validar/grabar opción. **LEFT** para salir sin grabar. Al habilitarlo, en modo peso: **F3** Cambia entre piezas y peso. **F2** Para introducir el número de piezas que se están pesando (el equipo calculará el peso unitario)
➢ **DISCHA. (*)**	Accumulation in download. Process (once in weight mode): 1- With full container press **T**. 2- Empty container and press **INTRO**. (repeat process until finishing with **FUN** + **INTRO**)	(Yes/No) **UP/DOWN** To change between Yes/NO. **F** to validate/save the option. **LEFT** to exit without saving.
➢ **ANIM.WE.(*)**	Dynamic weighing for animals	**RIGHT** to enter submenu. **LEFT** leave submenu. **UP/DOWN** to navigate inside submenú.
➢	**--ON--**	(Yes/No) **UP/DOWN** To change between Yes/NO. **F** to validate/save the option. **LEFT** to exit without saving. A very large number of weight samples will be carried out at high speed to calculate and display the average at the end of the process.
➢	**LOW.BOW.**	Inferior limit of weight (6 digits). **NUM** to enter value. **C** delete flashing digit. **F** to validate/save the value. **LEFT** to exit without saving. -Weight values below this value are rejected. With AUTOMA=YES, waiting time T.INI is initiated when the weight exceeds this value.
➢	**HIG.BOW**	Upper weight limit (6 digits). **NUM** to enter value. **C** delete flashing digit. **F** to validate/save the value. **LEFT** to exit without saving. - Weight values above this value are rejected.
➢	**INIT.T.**	With AUTOMA=YES. Waiting time before initiating the process of sample weight. (0.. 25,5 seconds). **NUM** to enter value. **C** delete flashing digit. **F** to validate/save the value. **LEFT** to exit without saving.
➢	**AWG.TIM**	Time duration of the sampling weight. (0 .. 25.5 seconds). **NUM** to enter value. **C** delete flashing digit. **F** to validate/save the value. **LEFT** to exit without saving.
➢	**AUTOMA**	(Yes/No) **UP/DOWN** To change between Yes/NO. **F** to validate/save the option. **LEFT** to exit without saving. Yes -> Weight sample is automatically initiated once INIT.T. time is passed after the weight value defined in

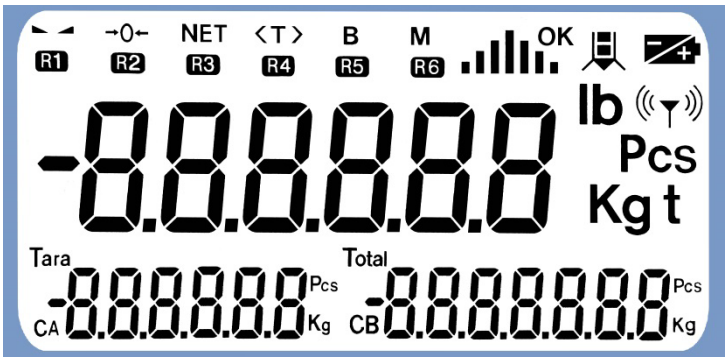
		LOW.BOW is exceeded. No -> The equipment waits for the pressing of **INTRO** key to initiate the process of weight sample. (It does not wait for INIT.T. even though the LOW.BOW is exceeded).
➢ **CLOCK**	Shows/Sets the clock and calendar.	**RIGHT** to access submenu.
	TIME	Displays and enables modification of current time. (HH:MM:SS) **LEFT**/**RIGHT** to change the flashing digit. **UP/DOWN** to change the value of the flashing digit. **F** to validate/save Time. **FUN** to exit without saving.
	DATE	Displays and enables modification of current date. (DD.MM.AA). **LEFT**/**RIGHT** to change the flashing digit. **UP/DOWN** to change the value of the flashing digit. **F** to validate/save Date. **FUN** to exit without saving.
➢ **CELLS**	Show counts and weight of each load cell. (Only in equipment with communication with digital load cells)	Load cell number selection mode. **UP/DOWN** to increase/decrease number. **F** o **DER** to validate number and move on to reading mode.
	CEL. xx (load cell selection with **T** /**B**)	Read Mode. **UP/DOWN** to change load cell. **LEFT** switches to the load cell number selection mode **RIGHT** to switch between counts and weight.
➢ **-DSD- (*)**	Consult and print data saved in DSD memory. (Only in equipment with DSD)	Ticket number selection mode. **NUM** to enter number. **UP/DOWN** to increase/decrease number. **C** delete flashing digit. **F2** to validate number and move on to detail mode.
	It shows the net weights of the different accumulations registered in the selected Ticket and also print a copy of the Ticket.	Detail Mode. **UP/DOWN** to navigate through the different accumulations recorded and the Total accumulated. **LEFT** switches to the Ticket number selection mode. **INTRO/PRINT** prints a copy of the selected Ticket.

(*) This option **DOES NOT** appear if there is an open ticket. (Close ticket by pressing **FUN** + **T** in Weight mode)
(**) This option **DOES NOT** appear if any communication **PORT** of the equipment no has not been configured to connect to the labelling machine. (See option **-COM-** from Programming menu).
(***) This option **DOES NOT** appear if the equipment has DSD. (With DSD option the equipment does not allow manual modification of the number of Ticket / Delivery Note)

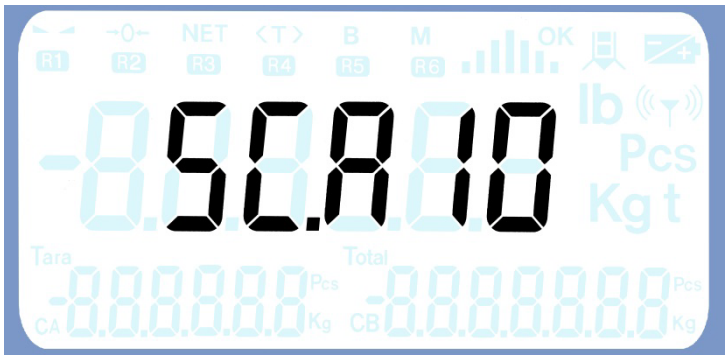
3 DISPLAY LCD

4 INSTRUCTIONS AND GENERAL OPERATION MODE

When starting up the unit, the ON/OFF key can be pressed to carry out an initial test, showing all the display's digits and pilots.

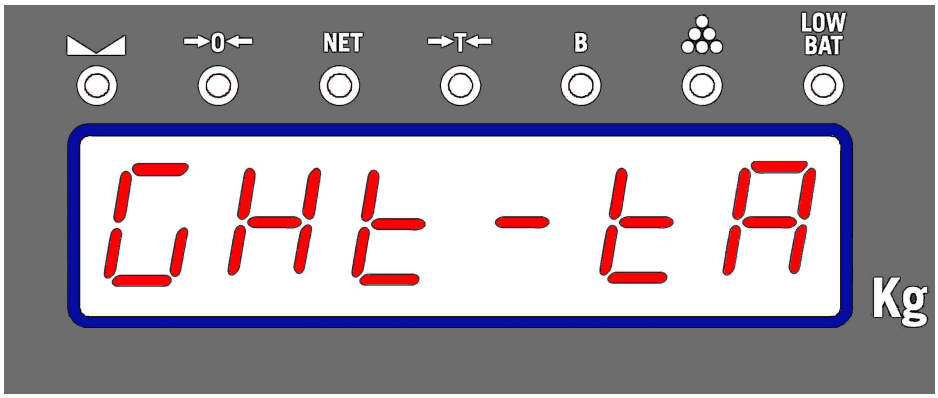


The equipment identifier is then displayed:



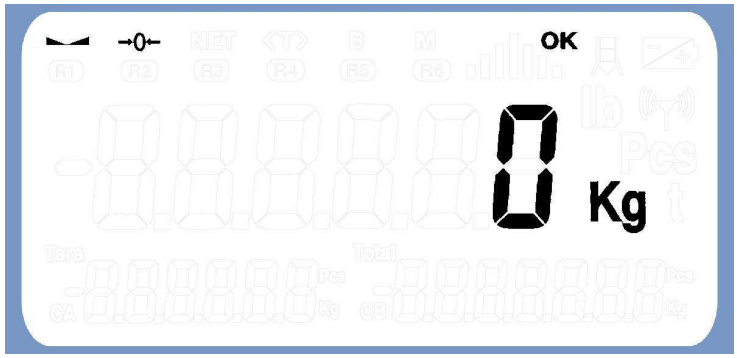
Then, if the equipment has dead weight (units with weight module or digital cell communication), the counter value is shown the number of times the unit's metrological (weight) parameters have been modified.

Finally, a message (banner type) describing the different functions of the unit is displayed.



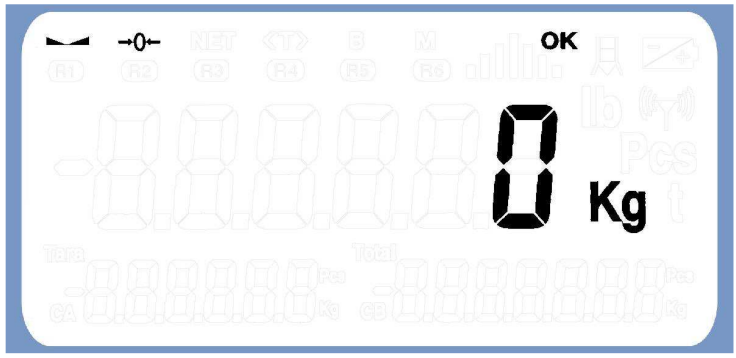
Both the text of the banner displayed when starting up the unit and the headers and footers of the tickets can be defined by the user using the SENSODATA program.

Once complete, the unit returns again to weight mode and shows the measured weight (The equipment performs a “0” when starting up”).



4.1 Ordinary weighing (Net/gross tare, tare lock)

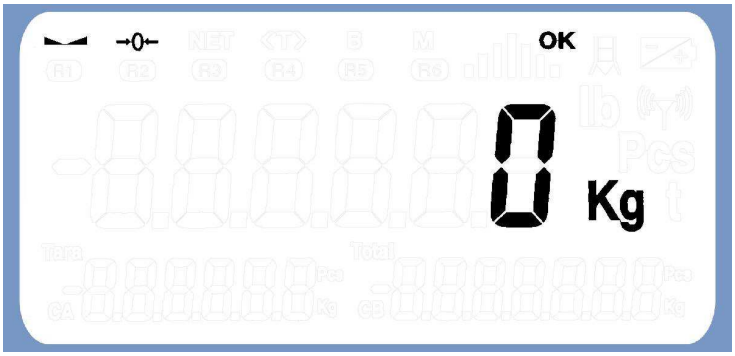
By defect, the unit will start up showing the weight on the platform:



4.1.1 Quick zero:

Whenever, without any weight on the platform, the unit shows a weight value other than zero.

The zero should be manually corrected by pressing the **B** key.



The machine can automatically reset at start-up enabling the INIT.Z option in the WEI.OPT. programming submenu.

4.1.2 Stability

The display shows the measured weight variations. The speed with which the changes and the degree of weight stability shown are displayed depend on the values set in the filter parameters. (Options **STAB.T**, **FILTER** and **FIL.DEP** in the Programming Menu).

As soon as the weight stabilises, the display activates the stability pilot) to indicate the condition of stable weight.

Most of the actions carried out by the display (tare, print ticket, start load or discharge of dose, etc.) are associated with stable platform condition (stable weight).

4.1.3 Quick tare

Pressing the **T** key when the unit shows stable weight other than zero causes the unit to tare the weight on the platform, making the weight value displayed on screen pass to 0 and activating the pilot **NET**.

As of this moment, the display shows the net weight whenever the platform weight changes.

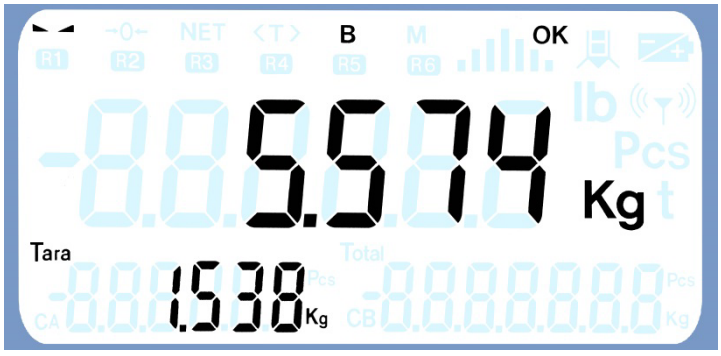
Whenever the net weight displayed is not zero, pressing the **T** key again causes the unit to carry out a new Tare.

The Quick Tare function it's only available when the number of divisions of gross weight is bigger than the one defined in the minim weight option (WEI.MIN) in the WE.CTR programming submenu.

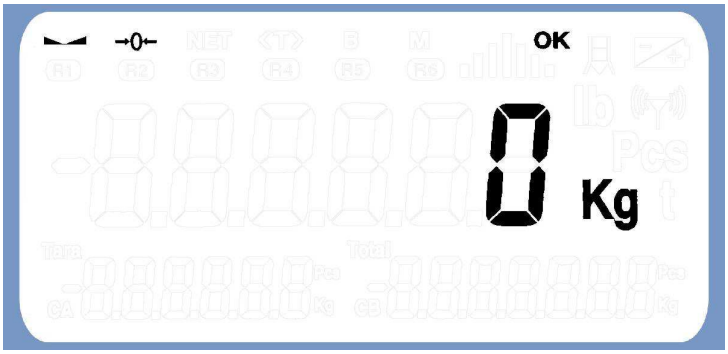
4.1.4 Gross weight/net weight:

With the unit tared, pressing the **B** key allows switching between net weight and gross weight on the display.

To indicate that the weight shown on the display corresponds to gross, enable both the **B** pilot and the **NET** pilot:



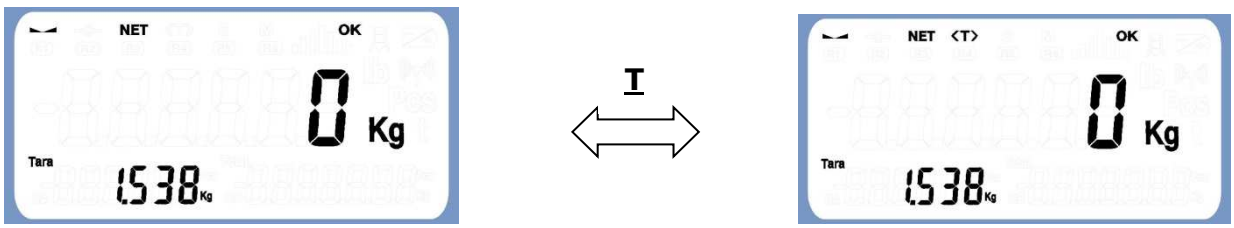
Tare is automatically disabled when all the weight is removed from the platform, deleting and re-displaying the gross weight:



4.1.5 Tare lock

To prevent tare from being disabled when all the weight is removed from the platform, press the **T** key a second time when the net weight shown is zero (pressing once tares the weight, and pressing twice locks tare).

Locking the tare activates the unit's **>T<** pilot in order to indicate locked tare. As of this moment, and always when the net weight shown is zero, the **T** key can switch between tare and tare locked modes.

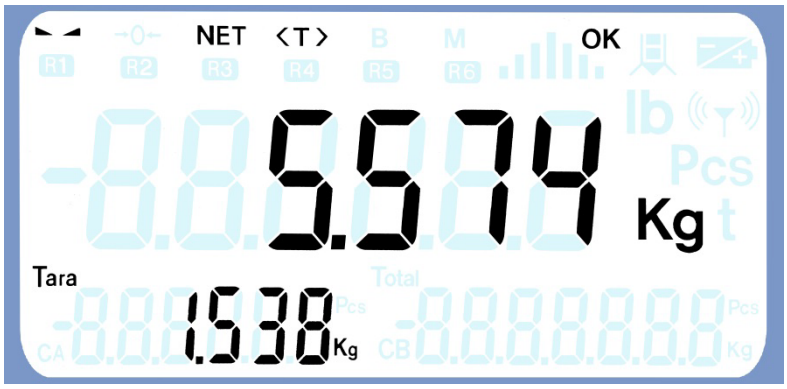


The tare lock function is only available if initial zero option (INIT.Z) has been enabled in the WE.CTR programming submenu.

4.1.6 Quick Manual Tare (*):

The system allows to define a value of quick manual tare. To do this without leaving the weight mode, you must press the **F3** key **(This option does not work if the piece-counting mode is enabled)**. When doing so, the equipment enters in editing mode of manual tare showing a tare value with the rightmost digit flashing. To change the tare value shown, use the alphanumeric keypad, with the key **LEFT** we leave without validating and the key **F** validate the tare value introduced, doing a Tare in the equipment while Tare gets blocked.

For example, with a weight of 7.112 we enter a manual tare 1,538, after validating the **F** key on the display will be shown:



When manual tare is activated, the printing of tare on a ticket is accompanied by the symbol "PR" to indicate that the weighing is carried out with a manual tare.

```
=======================================
N.PES.   CODIGO     TARA kg      NETO kg
=======================================
     1           PR:  1.538        5.574
```

(*) The F3 function key to enter manual tare is NOT available in the following cases:

- If are activated any of the following options: limits, semaphore or any dosage (options available via the submenu APLICA of the programming menu)

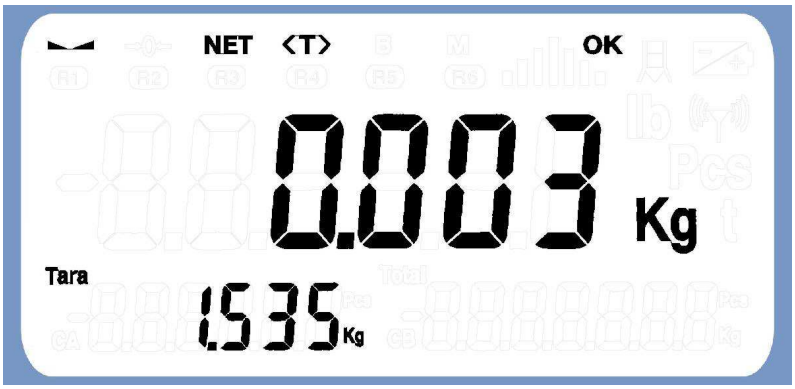
- If the mode Piece-Counter is activated (option available via the submenu option PIECES of the user menu)

4.2 Memorized Tares (*)

To edit and/or select a tare associated with a tare number, press F2. Doing so, in the auxiliary display 2 is shown the preset tare corresponding to the number of tare shown on auxiliary display 3 with the rightmost digit flashing. We can change this tare number using the alphanumeric keypad **NUM** or increase / decrease its value with the **UP**/**DOWN** keys.

Within the menu of memorized tares, pressing the **F2** key allows us to toggle between editing modes of tare number and preset tare.

By last with the **LEFT** key exits the menu without selecting or record anything and with the **F** key the memorized tare is selected or only it is recorded if it has been modified (in this last case, with a second pressing of the **F** key we exit selecting the new tare).



With an active preset tare, pressing the **T** key does not swing between tare and locked tare, but allows to tare again the weight pressing it when desired, saving at the same time as the value of memorized tare associated with the number of tare active in that moment. From this point functionality will be restricted to the *tare blocking* section.

The value of manual tare will be printed on the ticket preceded by the symbol "PT", indicating the nature of the tare.

```
=====================================
N.PES.   CODIGO     TARA kg      NETO kg
=====================================
     1           PR:  1.538        5.574
```

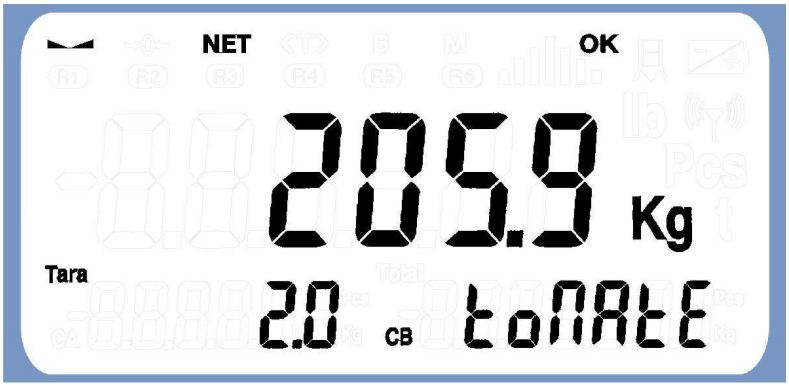
(*) The F2 function key to enter memorized tares is NOT available in the following cases:

- If are activated any of the following options: limits, semaphore or any dosage (options available via the submenu APLICA of the programming menu)

- If the mode Piece-Counter is activated (option available via the submenu option PIECES of the user menu)

4.3 Quick selection code

The equipment allows to select an alphanumeric code directly simply by typing its number in the **NUM** alphanumeric keypad or using the **UP / DOWN** keys to change to the previous / following code shown in the auxiliary display 3.



4.4 Extended accumulation and totalisation of weighings

The unit can account for weight (accumulate weighings), using the data to print a ticket per printer and/or label and/or send the weighing data through the serial communication ports (**PORTS**).

The unit allows individual weighings (printing a ticket for each weighing) or multiple weighings (with several weighings in the same ticket and finalised with a total) to be done automatically (when detecting stable weight on the platform) or manually (by pressing the **INTRO** key when the unit displays stable weight).

Three conditions must be met in order for the unit to account for a weight (carry out weighing): there must be stable weight, which exceeds the value defined as minimum weighing (*), with the weight dropping below the minimum weight necessary to carry out weighing at some point since last weighing (i.e. the last weighing has been discharged).

Single weighing is selected using the W.UNIQ. option in the Functions menu.

Automatic weighing mode is selected using the AUTOAC option in the Functions menu.

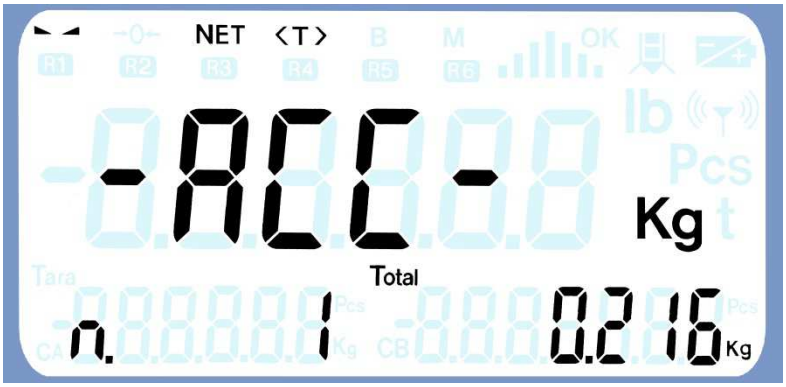
(*) The minimum weight value for a weighing is determined using the WEI.MIN option in the unit's Programming menu.

4.4.1 Manual accumulation

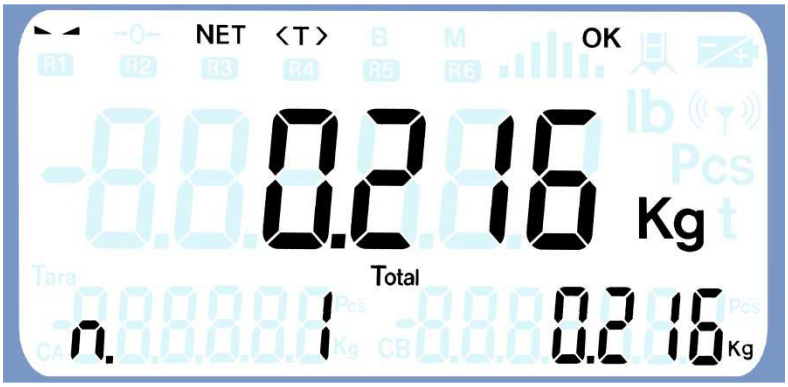
In order to carry out manual accumulation, press the **ENT** key when the unit shows a stable weight value above the value defined as minimum weighing.

The following example assumes a stable weight of 1,754 kg, which we have previously tared manually at 1,538 kg. (1754-1538 = 0.216) and the active code is “HIERRO”.

Start manual weighing by pressing the **ENT** key until the message **-ACC-** is shown in the display:



In the display auxiliary 2 is shown the number of weight performed, in the display auxiliary 3 the subtotal of weight accumulated so far.



If the unit is connected to a printer, and, for example, the code "100350" has been entered (using the **-CODE-** option in the functions menu), the following ticket will have been printed:

```
========================================
N.WEIGH.    CODE      TARE kg      NET kg
========================================
     1    100350     *  1.538        0.216
```

To perform a new weighing and continue to accumulate, we remove the weight on the platform and place on it the new weight to accumulate, we wait until it is stable and again press the **ENTER** key.

If the code introduced is 0 (default value when starting up the unit), nothing appears in the CODE field of the ticket.

At the same time, if a PC connection has been configured in any of the serial communication PORTS with **MANUAL** send, pressing the **T** key causes a frame to be sent with the weight on the platform at this moment.

All the unit's serial communication PORTS can be configured (from the -COM-programming submenu) to connect to a printer, a labeller, a repeater or a PC in order to send weights.

In order to carry out a new weighing and continue accumulating, remove the weight from the platform and place the new weight to accumulate on it; wait for the weight to be stable and then press the **ENT** key again.

4.4.2 Automatic accumulation

Automatic accumulations do not require the **INTRO** key to be pressed for weighing; the unit simply has to detect a stable weight value greater than the value defined as minimum weighing (*) after the last weighing has been discharged.

Automatic weighing mode is selected using the AUTOAC option in the Functions menu.

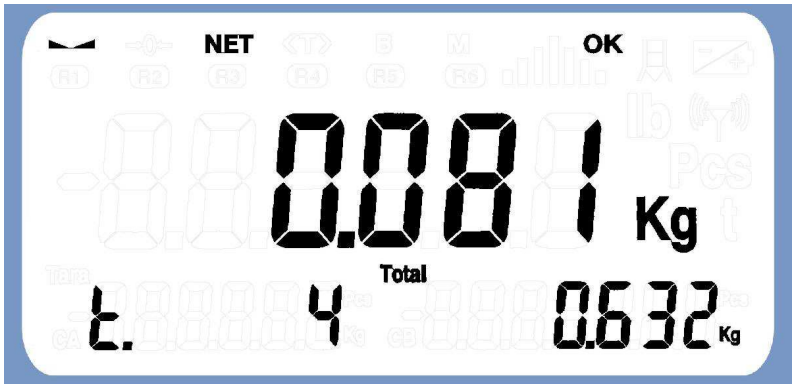
(*) The minimum weight value for a weighing is determined using the WEI.MIN option in the unit's WE.CTR. programming submenu.

4.4.3 Totalise

To finish and totalise all the weights in process, it is necessary to press the **F1**(*) key or the **FUN** and **INTRO** keys simultaneously.

(*) The F1 function key to totalise and complete weighing is NOT available if are activated any of the following options: limits, semaphore or any dosage (options available via the submenu APLICA of the programming menu)

In the case, for example, there have been made 4 weighings with a total weight of 0.632 Kg, the equipment shows the number of weighings and the total accumulated in the auxiliary displays 2 and 3 respectively.



If the unit is connected to a printer, the ticket will finish, as in the following example:

```
=======================================
N.WEIGH.   CODE      TARE kg      NET kg
=======================================
     1    HIERRO       1.538      0.216
     2    HIERRO       0.000      0.252
     3    COBRE        0.000      0.083
     4    PLATA        0.252      0.081
=======================================
TOTAL WEIGHINGS          TOTAL WEIGHT kg
=======================================
     4                             0.632
=======================================
```

In this example, the following operations have been carried out in the ticket:
- Code HIERRO has been entered.
- A container of 1.538 kg has been tared.
- A weight of 0.216 kg has been entered and accumulated.
- The weight and the container have been removed.
- A weight of 0.252 kg has been entered and accumulated.
- The weight of the platform has been removed.
- The code COBRE has been selected.
- A weight of 0.083 kg has been entered and accumulated.
- The weight of the platform has been removed.
- The code PLATA has been selected.
- A weight of 0.333 kg has been introduced.
- A memorized tare of 0.252 kg has been selected.
- An accumulation has been performed.
- Totalised by pressing **FUN**+**ENT**.

The unit can carry out and memorise up to 255 weighings before totalising, and can accumulate a weight total of over 18 trillion weight units (kg, lb) and a Grand Total of over 60,000 weighings.

4.5 Piece counter

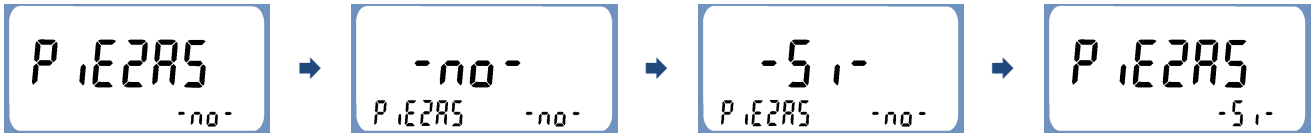
The piece counting mode can be enabled entering in the option "PIECES" in the functions menu of the device. When the equipment is running in piece counting mode, the value displayed is the result of the division between the measured weight and unit weight of each piece.

*In user menu choose "PIECE" option and press **[▶]** button to change the selection entered.*

*Once in option "PIECES" use **[▲]** or **[▼]** to change the value of the option.*

*Pressing the button **[F]** the new value of the option is validated.*

Then the equipment will show the main menú option with the updated selection.



The auxiliary display 3 shows the current value of the selected option. In this case the option "PIECES" is disabled.

The auxiliary display 2 shows the menú option where we can find "PIECES"

The equipment will show dashes for a moment indicating that we have saved the new option.

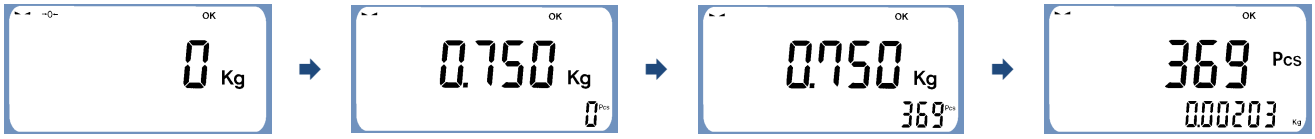
*Pressing **[◀]** we will leave the main menú and return to weight mode.*

When we leave function menú the equipment returns to weight mode showing average weight.

*Press **[F2]** to introduce number of pieces that the equipment is weighing*

*Introduce the number of pieces using numeric keyboard and then press **[F]** to validate this option.*

In counting mode the equipment shows on the screen the following information.



The auxiliary display 3 shows a blinking "0"

The equipment will calculate the unit weight. If calculated value is within correct operating ranges, the counting mode will be activated.

*At this moment the equipment allows switching between weight modes and counting modes by pressing **[F3]** button.*

4.5.1 Accumulation and totalisation

Accumulation and aggregation in piece counting mode is performed in the same way as in ordinary weighing; accumulate pressing the **[ENTER]** key and we totalise with **[FUN + ENTER]**. The resulting ticket from operations with pieces has the following format:

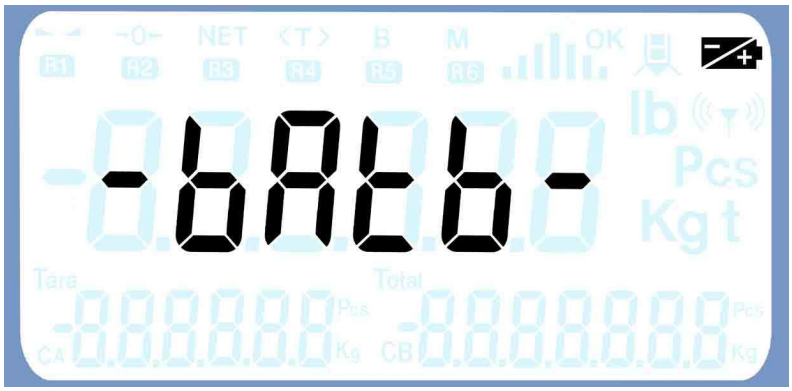
```
========================================
P.Unit:                          0.0013
========================================
N.PES.   CODIGO     NETO kg    PIEZAS kg
========================================
     1                0.251         195
     2                0.123          95
========================================
T. PESADAS                        PIEZAS
========================================
```

In it this ticket is indicated the unit weight of the pieces, the weight and number of pieces of each weighing and total of pieces totalised.

Each time you change between weight / pieces (by pressing the **F3** key), the corresponding ticket will automatically close.

4.6 Units with Battery

Whenever the unit is battery-operated and this is below the correct threshold value, the corresponding indicator will come on and the screen will show the following message:



Automatically, the display illumination will be reduced to the minimum and configured to go off after 5 minutes of non-activity.

As a precaution, if low battery is detected when starting up, the display will not come on, showing first the aforementioned literals.

4.7 Equipos con memoria DSD (Aliby)

Equipments with DSD memory record all weighings made in the equipment.

This memory cannot be erased and in case the memory is fully occupied, the equipment rewrites the information of the oldest weighings.

The information of the memory is organized depending on the number of Ticket to which the weighing belongs to.

Every ticket is made up with the weighings made from the Ticket opening until its finishing.

In the equipments with DSD memory (Aliby), the number of Ticket is auto-increased with each new finalized ticket, not being able to be modified by the user.

The **-DSD-** option from the functions menu allows consulting and printing a copy of each ticket made on the equipment. It displays the number of weighings, the total accumulated weight and the net weight of any of the ticket weighings.

When accessing the **-DSD-** option from the functions menu, the equipment requests the number of ticket displaying by default the last finished ticket, for example:

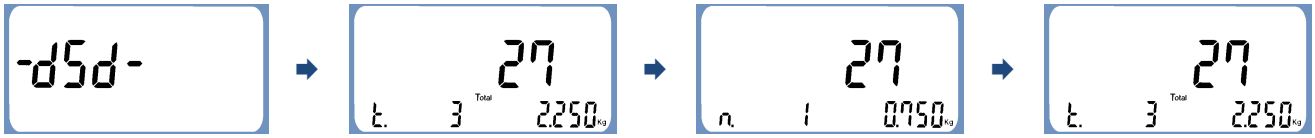
---

*We can access to the menú –DSD- choosing this option in the function menú and pressing **[▶]** button.*

*Once inside the option –DSD- use **[▲]** or **[▼]** to choose what ticket we want to visualize.*

*When we press **[F2]** button, we can access to the ticket where we can also print it pressing **[PRINT]** button or visualize result of weighing pressing **[▲]** or **[▼]** button.*

*If we want return to ticket option, we will press **[F2]** or **[◀]** button.*



The main display shows the last ticket saved with bliking signal on first digit.

The auxiliary display 2 shows total weight result of the ticket. Auxiliary display 3 shows accumulated total of visualized ticket.

*When pressing **[F2]** to access the ticket, the weighing number or the accumulated total is shown in display 2 in flashing mode*

*To exit the menú press **[◀]** button*

In case it does not find any associated weighing, the following message is displayed:

MINISTERIO DE ECONOMÍA,INDUSTRIA Y COMPETITIVIDAD	EXPEDIENTE Nº **162011001**	CEM CENTRO ESPAÑOL DE METROLOGÍA

CERTIFICADO DE ENSAYOS

Test Certificate

Revisión 7ª al certificado CEM-CY-01/0025-5.2

7th Revision to certificate CEM-CY-01/0025-5.2

Expedido a: *Issued to*
SENSOCAR, S.A.
Pol. Ind. Can Parellada - c/ Géminis, 77
08228 Terrassa - Barcelona

De acuerdo con: *In accordance with*
Párrafo 8.2.1 de la Norma Europea EN 45501:2015 relativa a los aspectos metrológicos de los instrumentos de pesaje de funcionamiento no automático, y a la Guía nº 2.1 de WELMEC. La fracción de error aplicada p_i, con referencia al punto 3.10.2.1 de la EN 45501, es de 0,5.

Paragraph 8.2.1 of the European Standard on Metrological aspects of non-automatic weighing instruments EN 45501:2015, and WELMEC 2.1. The applied error fraction p_i, with reference to paragraph 3.10.2.1 of this standard is 0,5.

Instrumento: *Instrument*
Indicador de peso para uso industrial, electrónico, de indicación automática, monoescalón y multiescalón, ensayado como parte de un instrumento de pesaje de funcionamiento no automático de clase de exactitud (III) y (IIII).

The model of an indicator for industrial application, electronic, self indicating, single and multiple scale interval, tested as part of a non-automatic weighing instrument class (III) and (IIII).

Especificaciones: *Features*

Número máximo de escalones (n) *Maximum number of verification scale intervals*	n ≤ 10000 para IPFNA de clase de exactitud (III) *n ≤ 10000 for NAWI accuracy class (III)* n ≤ 1000 para IPFNA de clase de exactitud (IIII) *n ≤ 1000 for NAWI accuracy class (IIII)*
Mínimo voltaje de entrada por escalón de verificación (*Minimum input-voltage per verification scale interval)*	0,6 µV/e
Voltaje del rango de medida (*Measuring range voltage)*	5 mV - 15 mV
Rango de impedancia (*Impedance range)*	40 Ω a 2000 Ω

Fabricante: *Manufacturer*
SENSOCAR, S.A.

Marca/modelo: *Trademark/Type*
SENSOCAR, S.A. / SC-AX

Código CEM: *CEM code*
--

Observaciones: *Comments*
Esta nueva versión del modelo SC objeto de la presente revisión, complementa a todas las versiones descritas en la revisión sexta

Fecha de ensayos: **21/09/2016 al 18/11/ 2016**

*Electromagnetic susceptibility has been certified in tests conducted with field strength of 10 V/m, in accordance with new regulations.