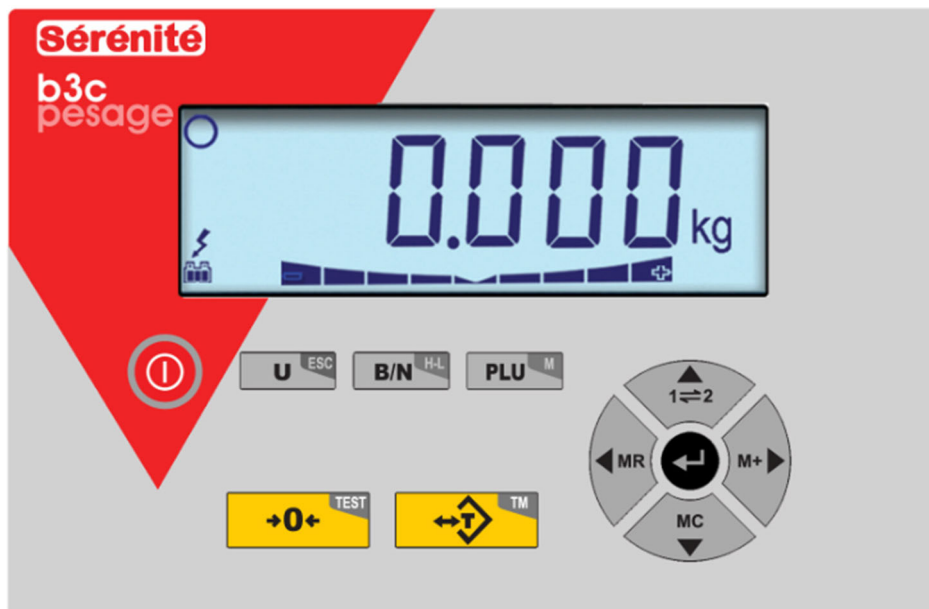


OPERATING INSTRUCTIONS

Industrial scales

S300 - S601 - S811



OPERATING INSTRUCTIONS

1	SAFETY WARNINGS	3
2	FEATURES	3
3	PRODUCT PACKAGE	3
4	KEYPAD DESCRIPTION	4
5	BASIC FUNCTION OPERATION	5
5.1	Zero adjust	5
5.2	TARE function	5
5.3	TARE memory	5
5.4	Auto TARE	7
5.5	Function use	8
5.6	Current weighting	8
5.7	Accumulative weighting	8
5.8	Piece Counting Preset	9
5.9	Piece Counting Preset	10
6	ADVANCED FUNCTIONS	11
6.1	Backlight activation	11
6.2	Auto Hold Mode Function	12
6.3	Auto Power off	12
6.4	Auto Tare	13
6.5	Stability Filter	13
6.6	RS-232C data output configuration	14
7	DECLARATION OF CONFORMITY EC	14

1. SAFETY WARNINGS

- ❑ Disconnect from supply before installation or disassembly.
- ❑ Do not rest the scale over its plate or underplate because it can damage the load cell. To manipulate the low part (external platform connection, charger or to change battery) the scale should rest over its sides, but never over its plate.
- ❑ Do not hit the plate or underplate neither frontal nor on its sides, because the load cell could get damaged. It is a precision instrument, and it should be treated carefully.
- ❑ Before start using it, check the charger cable is not stucked or under pressure. It should be out from any pressure.
- ❑ The scale should only be used under proper environmental conditions indicated in this operation manual.
- ❑ Do not use this scale in places where there are unstable conditions or explosive danger.
- ❑ Do not place the scale near heat sources or under direct solar radiation influence.
- ❑ Keep the scale far away from other electromagnetic radiation sources. Its influence could affect the weighting precision.
- ❑ When low-battery advertisement appears, the battery should be charged. If the battery remains discharged for a long time, it deteriorates and could stop working.
- ❑ When changing battery, check if (+) and (-) terminals do connect to its corresponding terminals.

IMPORTANT! In case of breakdown or inappropriate operation working due to an inadequate following of the instructions given before, the guarantee right will be lost.

2. FEATURES

(S300-S601) IP-56 / (S811) IP67

20 numeric tares memory

99 products memory for piece counting

100-240V, 50/60Hz 12V 800mA Network adapter

Automatic disconnection

3. PRODUCT PACKAGE

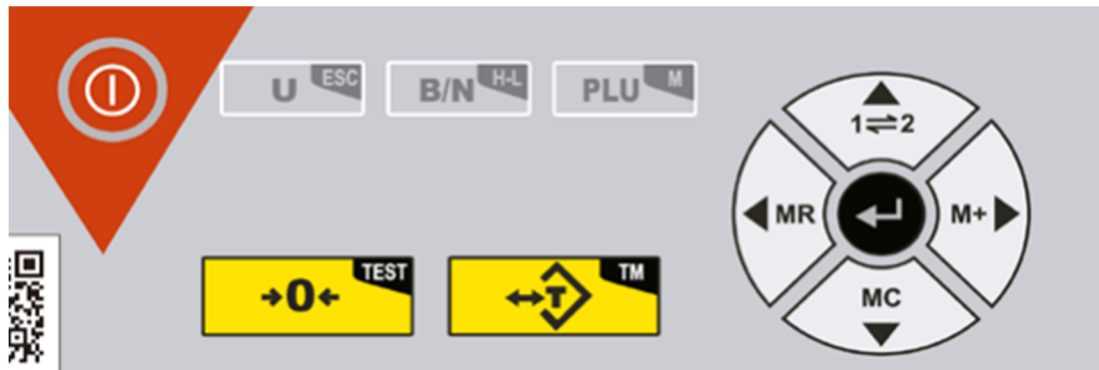
1 platform scale

1 stainless steel plate

1 network adapter

1 battery

4. KEYPAD DESCRIPTION



On / off



Change unit key. Press it to change unit. In menu mode, press it to escape from menu and return to normal mode.



Gross/Net key. When using tare mode, press it to show total weight, press it again and it will show net weight.



PLU key. Press it to enter menu, it has access to limit memories, piece counting, tare mode and other utility functions.



Zero key. It adjusts scale to zero, correcting its deviations. Do it always when plate is empty. If you press it longer than a second, it shows display test



Tare key. Press it to deduce the weight of any container or box placed over scale plate. Keep pressing to access tare memory.



MR and left arrow key. Press it to show accumulated total weight. In menu mode, confirm the selected adjust value, and return to previous menu.



M+ and right arrow key. Press it to save the value shown on the display. In menu mode, it shows the next function.



1-2 and up arrow key. In menu mode, it increases the value on display.




MC and down arrow key. Press it to erase accumulated weight memory. In menu mode, it decreases the value on display.




Enter key. To confirm the selection done in programming mode.


5. BASIC FUNCTION OPERATION

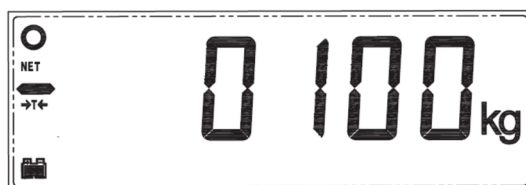
5.1 Zero adjust


When scale plate is empty and it does not show **0** value, press  to correct it.


5.2 TARE function

Place a container over the plate. Display will show tare value. Press  and it will show **0** value, deducting object weight. Now you can place other objects on the container, and display will show its net weight.

You can see the total value (gross weight) pressing . Press it again to return to net weight.



To cancel tare, remove all objects from the plate, and press . Display will show zero value.



Advice: If there is instability or temperature differences, display may not show **0** value. In this case, press  to correct it.

Max tare range: Tare value cannot exceed the maximum scale capacity. The real scale capacity is the sum of maximum capacity minus the tare done. Real cap. = max cap. – tare.

5.3 TARE memory

The scale has available 20 numeric tares. To memorize it, follow the procedure below :

Memory programming

- 1) Press . Display will show **PLUPro**.
- 2) Press  **several times** till display shows **TLUPro**.



- 2) Press . Display will show the memory used last time (for instance **ILU 01**). Last digits indicate the memory number.



Once memory position desired is selected, press and display will show one number. To modify it and introduce a tare value, use and to select the desired digit. To go to right digit, press to modify it use and . To modify any digit on the left, press still the desired digit sparks, then follow the same procedure explained before.

To finish, press and tare will be saved. If we wish to keep saving tares, press again and follow the same procedure.


To finish, after confirming the last tare saved, display will show **ILUPro**.

Press **ESC** to escape to weighting mode.

TARE memory use


In weighting mode, with empty plate, press longer than a second till **TLU XX** is shown, where **XX** is the last digit of the TARE memory saved. To access to another memory position, press and to surf along the tare memories still you find the desired memory number.



To confirm, press . Display will show tare memory value with negative sign. Now you can place the object in the plate, and the tare value will be deducted from weighting value (shows net weight).

You can operate with the object in the plate, then display indicate net weighting value.




5.4 Auto TARE (+ 6.4 Auto Tare)

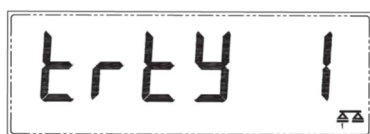
This function allows tare function with recipient or box to be done automatically, without pressing . Display detects the first weight (recipient or box), then operates tare function (sets to 0), and gets ready to weight the product in the box or recipient.

Afterwards, it sets to 0 and you can start again the same procedure repeatedly without pressing any button.

Function activation

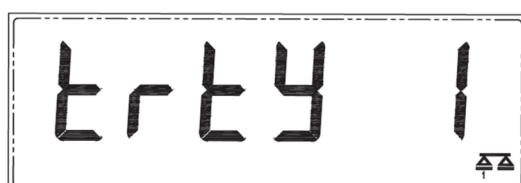
To enable Auto Tare, follow this instructions :

- 1 Press . Display will show **PLUPro**. Press  **several times**, still display shows **AUT-t**.
- 2 Press . Display will show in the last position one digit, in accordance with the following meaning :



- 0 – Unable function.
- 1 – Enabled Function.

- 3 Press  to confirm. Press **ESC** to return to weighting mode.



5.5 Function use

1. Place the recipient or box over the plate. Scale will operate the tare function and display will show 0 and tare symbol will be on.
2. Place the object or objects inside the recipient or box. Display will show net weight, deducting the tare (recipient/box weight).
3. Remove all objects from the plate. Display will cancel tare and set to **0**.
4. To weight again, repeat the same operation. You can use it indefinitely without pressing any button.


5.6 Current weighting

Switch on the scale pressing .

Display will be on in a few seconds, afterwards it will show zero value.

If there is any object in the plate, display will show the object weight, except from the case its weight is very low, then scale will start next zero following.




Press  to select desired weighting unit (default unit is **g kg oz lb pcs**, depending on its configuration).

Place the object you desire to weight over the plate. Screen will indicate object weight value, it should be readen when stability symbol is shown at the top left side on the display.



5.7 Accumulative weighting

This function adds up all weighting values accumulated, and shows its total value.

To use it, place the object you desire to weight, when display show stabilized weight value (stability symbol on), press . Then, weight value adds to total.



Place another object, assure between new and previous object plate sets to **0** with stability symbol on.

Press again **M+** and the second weight will be added to total.

You can weight several objects following this procedure.



To know accumulated sum value, press **MR** and display will show total accumulated value.

You can check accumulated weight value when you desire, and keep on accumulating weight values. To erase memory, press **MC** and accumulated value will be deleted.

5.8 Piece counting function


The use of this mode is to count pieces of homogeneous weight. After doing a simple sampling, scale saves the piece weight, and indicate the number of pieces placed in the plate.

Sampling

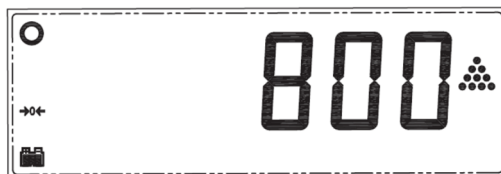
To do the sampling, when scale shows **0** and plate is empty, press and hold for longer than a second **U** ESC, still display shows **10** or other value flashing.

This value is the quantity of pieces you can place on the plate as sampling. If pieces are small, to increase the precision of counting it is recommended to place a number larger than **10**. To do it, press **1** \rightleftharpoons **2**, then increase the sampling value to 20, 30, 50 or 100. To decrease, press **MC**.



Once desired value is selected, count the number of pieces indicated on the display and press . Display will stop flashing and will show sampling value .



Counting




Place the pieces you desire to count (it should be the same unitary weight from the sampling) in the weighting plate. It can be counted inside a recipient, if tare has been done before (check Tare Use chapter)

Display will show the total quantity of pieces.

To return to Weight mode in the standard weight unit, press **ESC** .








If you desire to return to piece counting mode using the same unitary weight than last time, press  **several times** still display shows  symbol.

5.9 Piece Counting Preset

When display on piece counting mode ( on) and the stability symbol on, press .

Press  once, and display will show **CLUPro**.

The two digits on the right are the 100 memory position available (from 00 to 99).

Use  and  to set the target value in the flashing digit, use  and  to set the other digit. Use  and  to set the desired memory position value, and confirm with  .



Display will show again **CLUPro** . Press **ESC** to escape to counting mode.



To access to memory database and change one position, press and hold .

Scale will show **CLU XX**, where **XX** is the memory position.



Use and to set the target value in the flashing digit, use and to set the other digit. Use and to set the desired memory position value, and confirm with .

Scale from now will be programmed with the set piece counting memory.

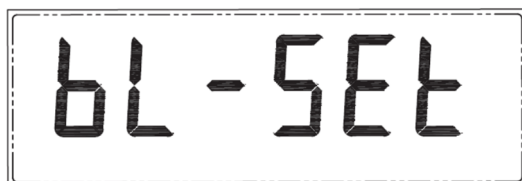
We can start piece counting placing pieces on the counting plate or in a recipient if we use tare function.

6. ADVANCED FUNCTIONS

To access to function menu, press , and display will show **PLU XX**.

6.1 Backlight activation

After following the last instructions, press several times, still display shows **bL-SET**.




Use and to select the desired option between the following ones :

No - Backlight always on.

Off - Backlight always off.

Auto - Auto backlight, it turns off after scale stability symbol turns on for 5 seconds.



Press  to confirm function. To escape, press **ESC**.


6.2 Auto Hold Mode Function

To access function menu, press , and display will show **PLU XX**.

Press  still display shows **Hold X**. **X** is the saved option.

To change it, press  or , according to the following values :



- 0 Inactive function.
- 1 Show top value (peak value)
- 2 Holds weighting value. Press  to unable
- 3 Holds display weighting value still the object is removed
- 4 Holds display value still another object is placed over the plate, indicating second object weight

Press  to confirm function, or **ESC** to escape.

6.3 Auto Power off

To access function menu, press , display will show **PLU XX**.

Press  still display shows **Aut-0**. Confirm pressing .

Display will show one digit at the right, according to the following table :

- 0 No automatic power off after 1 minute without use
- 1 Automatic power off after 2 minutes without use
- 2 Automatic power off after 3 minutes without use
- 3 Automatic power off after 5 minutes without use
- 4 Automatic power off after 10 minutes without use



To change it, press or .

Confirm pressing .

To escape, press **ESC**.

6.4 Auto Tare

Function activation

this function does automatic tare. It tares the recipient without pressing any button, and shows net weight of objects placed afterwards.

To enable function :

Press and then press **several times** still it shows **AUt-t 0**.

Use to modify the value at the right of **1** to enable function.

Confirm pressing or escape pressing **ESC** .

Auto Tare Function

When display is showing zero and without any object over the plate, place the empty recipient or box over the plate.

Scale will show zero and automatically will operate Tare function, showing **0** value and turning on scale tare symbol on display.

Place the object in the box, and scale will show net weight.

If you remove all from the plate, scale will cancel tare and indicate again **0**.


Now, we can do the same operation again with no limit. Scale will always operates tare automatically still we unable this function.

6.5 Stability Filter

In adverse environmental conditions, or when scale is used in instable weightings, you can increase the weighting stability with filters.

To access this function, press and display will show **PLU XX**.

Press  still display shows **FiLTER**.

Press  to confirm, and display will show a digit on the right, in accordance with the following table :

Filter 0	Programmed in Factory (Do not use if you do not know)
Filter 1	Stable environments (fast response)
Filter 2	Not really stable environments (medium response speed)
Filter 3	Instable environments (low response speed)
Filter 4	Very instable environments (slow response speed)
Filter 5	Strongly instable environments (very slow response speed)

To change it, press  or .

Confirm pressing .

To escape, press **ESC**.

6.6 RS-232C data output configuration


Out of the two data outputs, one can be configured, and can be used to connect to a PC or other accessories.


To access this function, press  and display will show **PLU XX**.


Press  still display shows **UArT**.

Press  to confirm, it will show the following speed transmission data options :

001	1200 bauds
002	2400 bauds
004	4800 bauds
009	9600 bauds
019	19200 bauds
038	38400 bauds
057	56800 bauds
058	115000 bauds

Use  and , select the desired option, and confirm pressing .

It will show **dbit 8** message. Is an option which cannot be modified and means that length is 8 bit. Confirm pressing .

Afterwards, it will show **PArI 0**, which is also an option which cannot be modified and means parity. Confirm pressing  and escape pressing **ESC**.

7. DECLARATION OF CONFORMITY EC



CE - DÉCLARATION DE CONFORMITÉ (FR)
EU- DECLARATION OF CONFORMITY (GB)
CE - DECLARACIÓN DE CONFORMIDAD (ES)
DICHIARAZIONE CE DI CONFORMITÀ (IT)
EG CONFORMITEIT-VERKLARING (NL)
DECLARAÇÃO CE DE CONFORMIDADE (PT)
EC-KONFORMITÄTSERKLÄRUNG (D)

FR Balance multi-fonctions S300 - S601 - S811
GB Platform scale S300 - S601- S811
ES Balanza multifunción S300 - S601 - S811
IT Bilancia multifunzione S300 - S601 - S811
ND Multifunctionele weegschaal S300 - S601 - S811
PT Balança multifunções S300 - S601 - S811
D Multifunktions waagen S300 - S601 - S811



FR Nous déclarons sous notre entière responsabilité que le produit, auquel se rapporte la présente déclaration, est conforme aux normes citées ci-après.

GB We hereby declare that the product to which this declaration refers conforms with the following standards.

ES Manifestamos en la presente que el producto al que se refiere esta declaración esta de acuerdo con las normas siguientes.

IT Dichiariamo con ciò che il prodotto al quale la presente dichiarazione si riferisce è conforme aile norme di seguito citate.

NL Wij verklaren hiermede dat het product, waarop deze verklaring betrekking heeft, met de hierna vermelde normen overeenstemt.

PT Declaramos por meio da presente que o produto no qual se refera esta declaração, corresponde às normas seguintes.

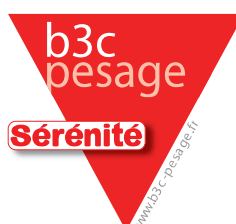
DE Wir erklären hiermit, dass das Produkt, auf das sich diese Erklärung bezieht, mit den nachstehenden Normen übereinstimmt.

2014/30/UE

(EMC) EN 61000-3-2:2014
EN 61000-3-3:2013
EN 61326-1:2013
EN 61326-2-2:2013

2014/35/UE

(LVD) EN EN 60950-1:2006+A11:2009
+A1:2010+A12:2011 +A2:2013



B3C SAS
10, Boulevard des Alliés
91720 MAISSE - FRANCE
b3c@orange.fr

Mme BRUNETAUD Fabienne
Suivi Qualité

DATE : 08 .08.2018



tél 01 64 99 34 34

fax 01 64 99 33 55

