

Elicom Electronic Ltd.

Electronic Scales

E V Lplus

Models T and M

User's Manual



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Scale Models Series *EVLplus*



EVLplus xx LT3

EVLplus xx LM6



EVLplus xx BT3

EVLplus xx BM6

1. Warranty Card

2. Brief Description

The electronic scales from series *EVLplus* xx LM, LM, LT, BT, are precise measuring devices for determining the weight of goods in retail stores and warehouses.

All scales from series *ELVplus* are designed to work in temperature range from -10°C to +40°C and to work without external power supply for up to 100 hours.

The scales provide accurate measurement, user-friendly reading indicators from a double sided digital LCD indicator, automatic price calculation, automatic Zero set and Tare functions.

All the scales are equipped with interface RS232 for connection with other external devices such as PC, cash registers, labeling printers.

3. Main Functions

- ❖ Weight determination of the weighed products
- ❖ Input of the price per 1 kg
- ❖ Storing data for price, Tare, name, expiration date and est. of more than 2,000 articles
- ❖ Displaying the information for the weight, price per kg and total value of the product on two widow displays one for the user and one for the customer
- ❖ Redirecting the information to PC, cash registers, label printers
- ❖ Sound signals

4. Technical Data

4.1. General data for scales from series *EVLplus*

1. Dimensions: 380 x 300 x 129 mm
2. Shipping weight: 5 kg
3. Display:
 - For models LM, LT:
 - Operator's: LCD - 6 positions, 3 lines
 - Client's: LCD - 6 positions, 3 lines
 - For models BM, BT:
 - Operator's: LCD - 6 positions, 3 lines – 1 peace
 - Client's: LCD - 6 positions, 1 line – 3 peaces
4. Classified Accuracy
 - III According to the Bulgarian State Standard EN 45501:2001
5. Error Limitations according to the Bulgarian State Standard EN 45501:2001
6. Number of check divisions: n = 3,000
7. Working Conditions
 - Power Supply: - Built-in battery 6 V / 5 Ah
 - AC adapter ~ 220 V / ~ 14 V
 - Maximum Power Consumption: < 4 VA
 - Operating Temperature: -10°C to +40°C
 - Air Humidity: 20 % to 80 %
 - Air Pressure: 84 to 107 kPa
 - Safety Requirement – according to Bulgarian State Standard 14374-84
8. Metal platter
 - Size 300 x 250 mm

4.2. Technical data for all models

Model	Maximal Load	Minimal Load	Maximal Tare	Value of the real check division $e=d=$
EVL+ 3	3 kg	20 g	minus 3 kg	1 g
EVL+ 3/6	3/6 kg	20 g	minus 6 kg	1/2 g
EVL+ 6	6 kg	40 g	minus 6 kg	2 g
EVL+ 6/15	6/15 kg	40 g	minus 15 kg	2/ 5 g
EVL+ 15	15 kg	100 g	minus 15 kg	5 g
EVL+ 15/30	15/30 kg	100 g	minus 30 kg	5/ 10 g
EVL+ 30	30 kg	200 g	minus 30 kg	10 g

Model	External display	Total number of keys on the keyboard
EVL+ xx LT1	Yes	34
EVL+ xx BT1	No	34
EVL+ xx LM6	Yes	33
EVL+ xx BM6	No	33

5. Scale Overview

5.1 Overview

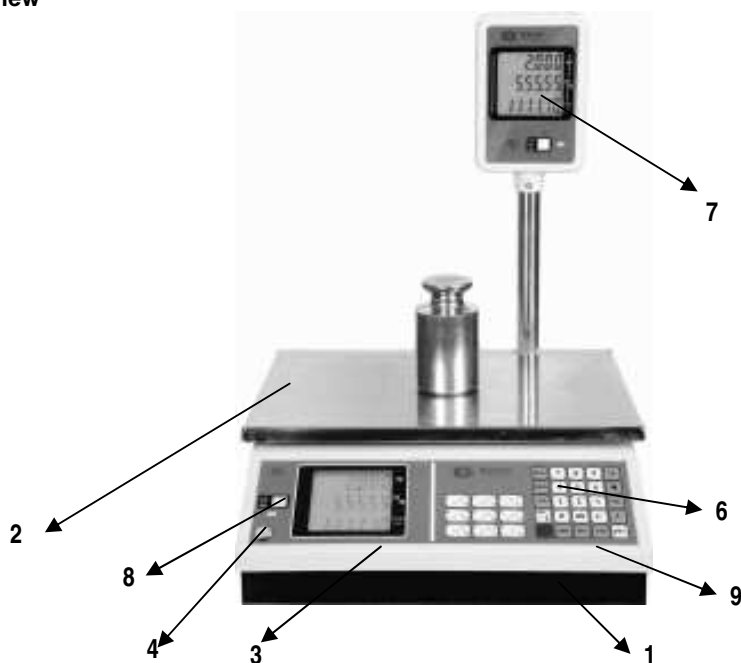


Fig.1

5.2. Description

1. Base - plastic base with four adjustable legs

2. Metal Platter - the measured loads are placed on top
3. Plastic lid cover - covers the electronic unit and the load cell unit. It protects the keyboard, operator's (8) and customer's (7) display.
 - The following information is also placed on the cover
 - License registration
 - Indications for state control
4. Leveler - for the scales to be horizontally placed adjust the legs (5) till the bubble in the leveler indication stabilizes in the middle of the readout.
5. Adjustable legs - to level the scales by screwing them in both directions.
6. Keyboard - to enter price indication and to choose preliminary set prices.
7. Customer indication - to indicate the weight of the goods, price per kg and total price.
8. Operator's Indication
9. Interface RS232 to connect with cash registers, PC or labeling printers.

5.3. Stamps and Lead Sealing

The scales from series *EVLplus* –xx LM, LT, LT, and BT have EO certificate for approved type and correspond with the "Regulation for the main requirements and the measure of quality for scales with non-automatic operation"

According to the requirements in appendix 8 from the Regulation, on the left side of the scales is placed a label with serial number, meteorological characteristics of the scale, CE logo for correspondence and the year of which the valuation for correspondence was done. The scales are also stamped with two lead seals against unauthorized opening and disassemble.

6. Preparing For Use

Before installing the scale is necessary to inspect the device for any mechanical damages that may have occurred during the transportation. After the inspection is done the scale is ready for installation. Place the scale onto horizontal surface. Level the scale by using the 4 adjustable legs at the bottom of the scale. Turn the legs clockwise or counterclockwise so the bubble of the leveling gauge is inside the indicated circle which is located on the front left part of the scale.

After the scale is properly placed for work, normal working conditions should be provided:

Operating Temperature	-10°C to +40°C
Air Humidity	20% to 80%
Power Source	220V
Power Source Frequency	50 Hz

DO NOT plug the AC adapter in any power source different from the 220V/50Hz!!!

Avoid overload of the scale with weights greater that the specified Maximal Load!

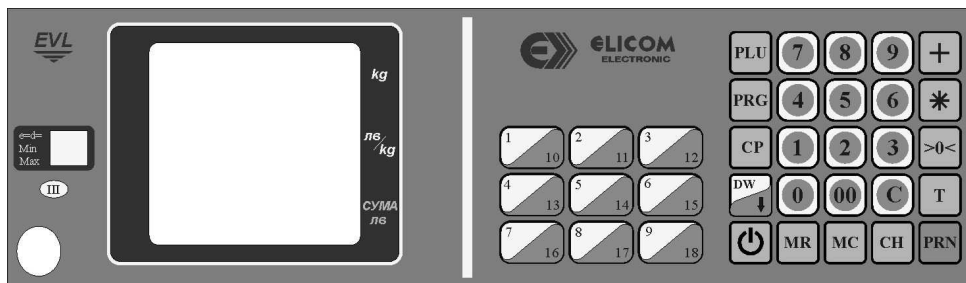
7. Installation Instructions

1. Open the box and pull out the contents, including:

- Scale
 - Metal platter
 - AC adaptor
 - Operation Manual
 - Passport
 - Warranty card
2. Installation of the metal platter – place the tray legs in the corresponding holes on the upper side of the scale. Sway it gently until it finds a stable position.
 3. Place the scale on a flat surface (table). Level the scale by screwing the adjustable legs and constantly keep an eye on the bubble in the left side indication. Once the bubble is stabilized in the middle of the black circle, the scale is ready.
 4. Plug in the AC adaptor to the main supply. The battery should obligatory be switched on.
 5. Turn On the scale by pressing the **ON/OFF** button. After this operation an automatic check is performed on all the indicators by indicating all the figures from 0 to 9. Wait for 10 minutes before using the scale.
Turn Off the scale by pressing the **ON/OFF** button and turn off the adaptor.
 6. Avoid the following working conditions:
 - Rapidly changing temperature
 - Direct sunlight
 - High percentage of dust and air humidity
 - Windy places
 - Vibrations
 7. Don't leave the scale loaded for a long time
 8. Avoid placing the scales near magnetic fields or near devices generating electromagnetic fields
 9. Avoid penetrating of moisture into the scale units.
 10. Avoid hitting the scale

8. Operation Modes

The scale operates in two major modes: “Weighting” and “Service”. Both modes are managed by the keyboard.



Model: LT, BT



Model: LM, BM

8.1. WEIGHING Mode

Place the load and wait till the scale stands still or until the indication for total price or the load indication blinks repeatedly.

8.1.1 Keyboard keys

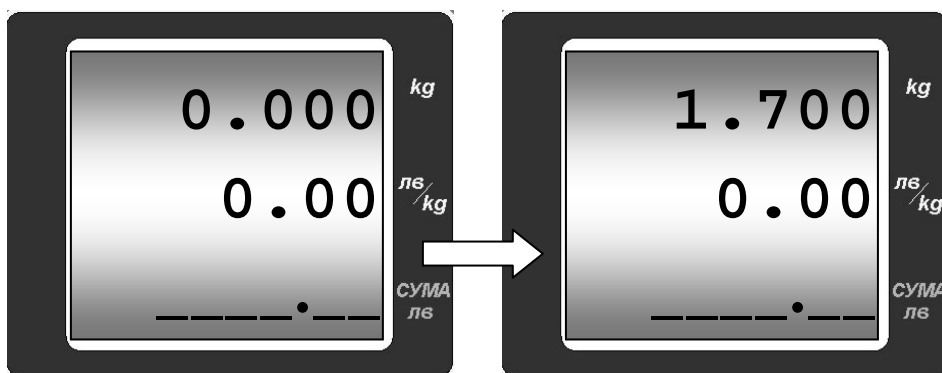
1. **ON/OFF** – Turn on/off the scale. Turn off with this button lessens but doesn't stop the energy supply from the adaptor. It's recommended to unplug the adaptor from the main supply once the work is done.
2. Zero setting (**>0<**)– it is used for setting zero to the load indication if due to external conditions /temperature change or leveling/ the readout is not zero when no load is weighted.
3. Button Tare (**T**)– it is used for entering tare value. The load, which is currently being weighted, is considered as tare. The load indication is set to zero and the scale starts indicating net weight, which is marked by a NET icon. If a load lighter than the Tare is being weighted, it leads to negative tare value displaying the "T" sign. The "NET" pointer goes out. At that moment the preset Tare value can be set to zero by pressing the **T** button. When the buttons **1/10**, **2/11**, ... are used to call out the preset article prices, the relevant tare values, set in connection with the prices, will be ignored if a tare value is preliminary set by pressing the **T** button.

When a tare load is placed on the scale / and either the **T** button is pressed or the tare value is called out by pressing the article buttons/, the readout indicates the Net weight. If then the **T** is pressed a five-second indication will show the Tare weight and will blink out after that.

4. Keyboard keys **00**, **0**, **1**, **2**, **3**, **4**, **5**, **6**, **7**, **8**, **9**, **C** are used in the Weighing mode for entering article prices. Wrong figures are deleted by pressing the **C** button and the price setting starts from the beginning. These buttons are also used to call out the previously set article prices. In this case only two figures are entered after which the **PLU** button is pressed and the figures are considered as article numbers: 01, 02...89, 90....1925
5. Article keys. They are used for calling out previously set article prices and tare weight. For some scales an additional option is provided which allows for an article price to be called out. For example pressing the **3/12** button will call out the price for the article with number 3. If before that the **↵** is pressed then the button **3/12** will call out the price for the article with number 12.
6. Button **PRN** - for printing information.
7. Functional buttons.
 - **PRG** - double press switches from Weighing to Service mode
 - **CP** - switches from Service to Weighing mode

8.1.2. Weighing an article and calculating the price using the keyboard

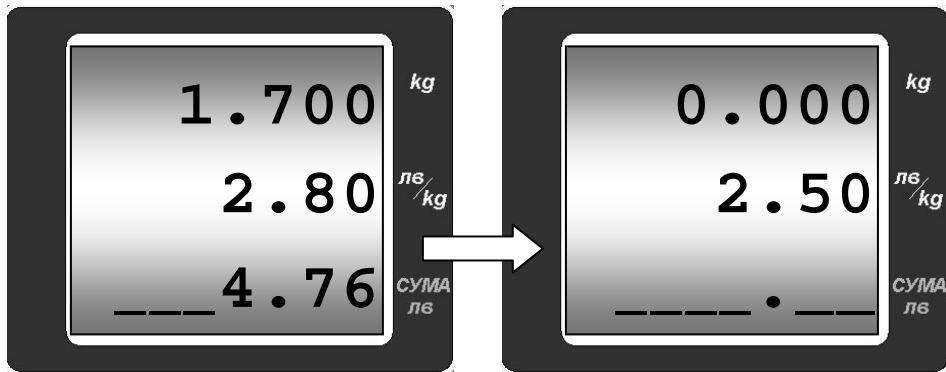
After the scale is switched ON by **ON/OFF** several automatic checks are performed. After a zero indication is shown the scale is ready for operation. A pointer points to “>0<” for a tare value.



A load is placed on the metal platter and the readout indicates the value of the weight. No price per kg is entered and the second indication is still zero.

Enter the price by using the numeric keyboard. For example: Keys **2**, **8**, **0.**





If the price is wrong it can be deleted by pressing the **C** key.

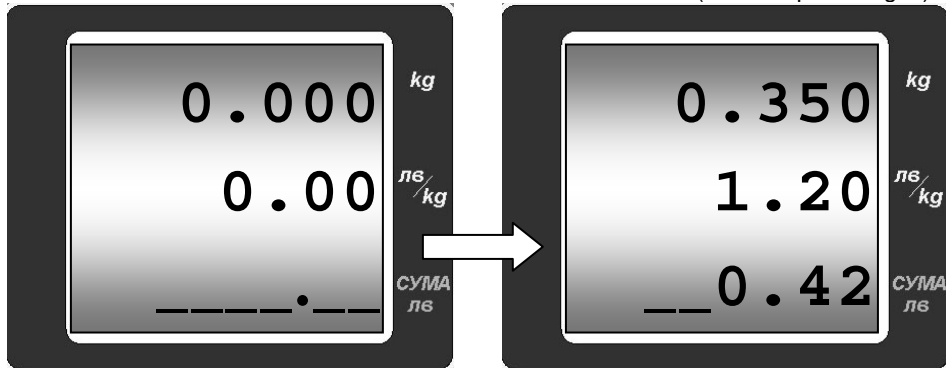
Correct the figures by entering **2**, **5**, **0**.
The total price is calculated and indicated.

Remove the load from the platter – in the Price per kg field remains the last price entered. The field for TOTAL remains blank until the load is under the minimum load for the scale

Note: When the load is less than the minimal (see the “Min” label on the front panel) the scale does not calculate “Total price”.

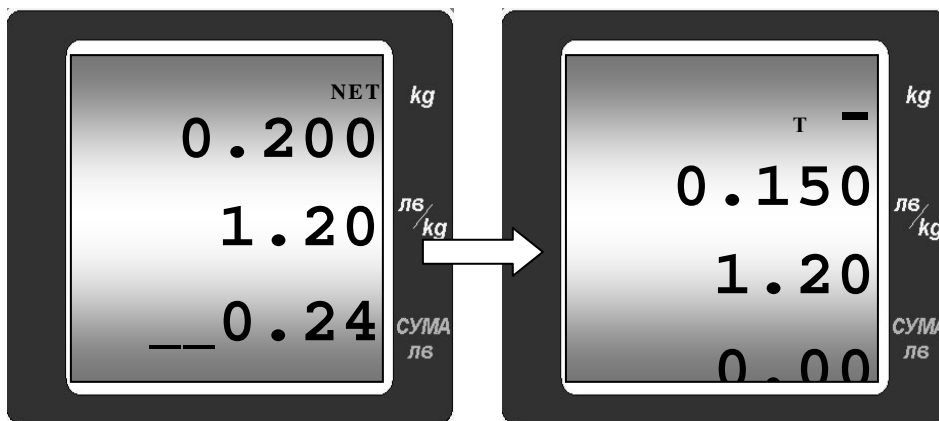
8.1.3. Weighing an article using previously set price

The article is stored under number 3 and no Tare is considered (for example oranges)



The load is placed. By using the PLU key **3/12** call the price. The total price is calculated according the PLU price. If the desired PLU number is between 10 and 18 (for example 10) press **DW /U** followed by the **1/10** key. In all other cases the number of the PLU is called by using the numerical keyboard followed by the **PLU** key.

In the “Total price” field is shown the calculated value.

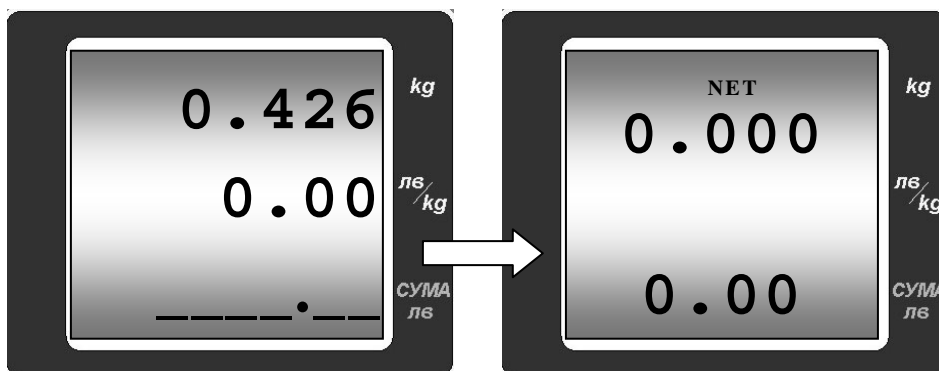


If there is a previously set Tare for PLU 3. The Tare will be deducted from the load and only the net weight will be indicated. The "NET" sign shows that there is a previously set Tare for the corresponding PLU and only the net weight is shown.

After the load is removed the Tare is shown with a negative sign and the "T" symbol is shown in the left part of the display.

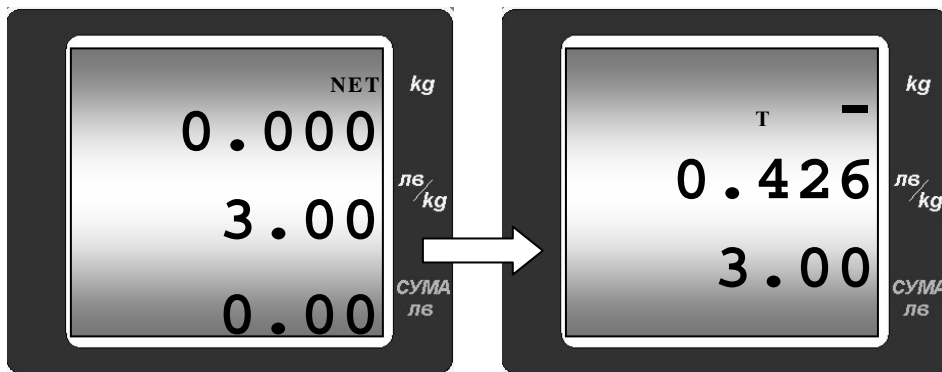
8.1.4. Weighing an article considering Tare value (for example oranges in a pot)

The pot or other object for Tare is placed on the scale.



The display shows the weight of the pot.

Press the **T** key. Now the weighed load is considered as a Tare. In the first line of the display is shown the Net weight. It is shown by the NET symbol in the top left part of the display.



Enter price per kg of 3.00 (Example) and remove the pot.

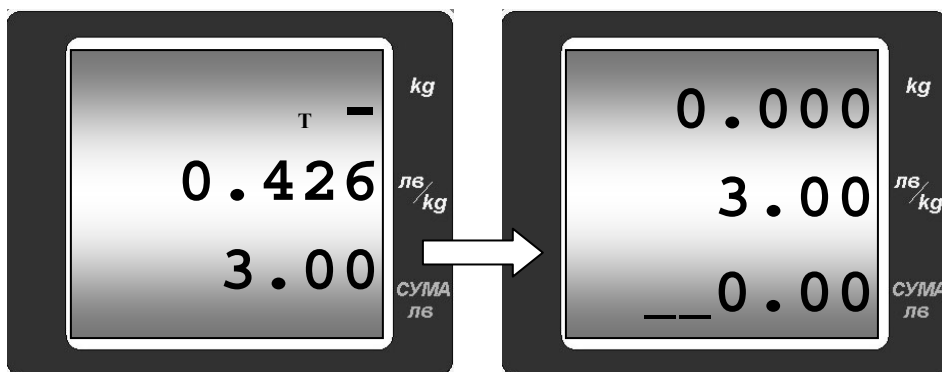
After the pot is removed the scale shows the weight of the Tare with a negative sign and the „T” sign in the top left part of the display.



After the pot is full, it is placed on the platter. The display shows the net weight of the weighed product with the total price calculated. The “NET” sign shows that the scale works with Tare and at the moment is shown the net weight.

During a loaded scale the value of the Tare is displayed by pressing the **T** key for about 5 seconds, after that the scale shows the net weight.

To work with accumulating Tare see Note 1 below!



The **T** key is also used to clear the Tare value. To clear the Tare, the scale must be unloaded.

Note 1: The following steps are performed for accumulating of the Tare value:

1. Set the Tare and place the first product as described above.
2. Press the **T** key, the scale shows the current Tare.
3. Press the **T** key for a second time – the scale zeros the Tare and shows the total weight
4. Press the **T** key for a 3rd time – the scales accepts the current load for Tare

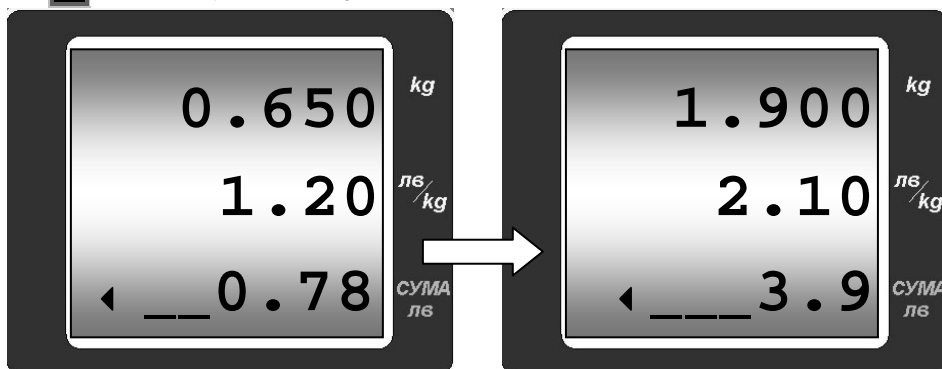
Note 2: If a Tare is set with the **T** key, the call of an article with previously set Tare doesn't change the weighed tare.

8.1.5. Accumulating totals / customer's bill

Note!!! This option is factory disabled. To activate this function use service menu 2 (see 8.4.2)

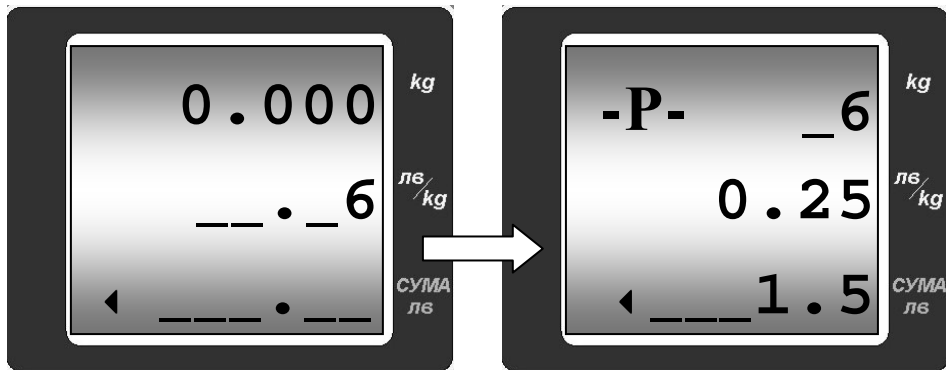
To use the customer's bill option (register of sales), perform the following steps:

8.1.5.1. After the first article is weighed and the total price is calculated, the item is stored by pressing the **+** (followed by a sound signal).



An arrow shows that in the customer's bill is recorded a sale

Place the second article and enter the new price. The sale is recorded by pressing the **+**.



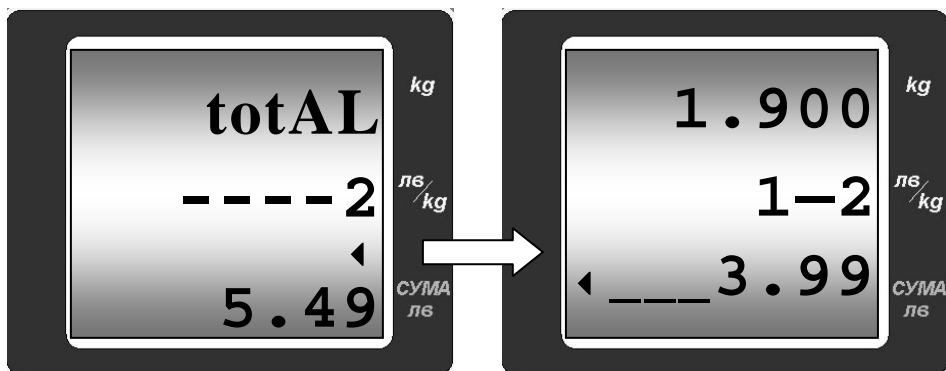
To add a number of fixed price articles to the customer's bill (For example: 6 onions by 0.25 each). **C**, **6** press the ***** - This combination is used to set the number of peaces sold.

Enter the price by pressing the **2**, **5** keys.

Press the **+** to add the sale to the customer's bill.

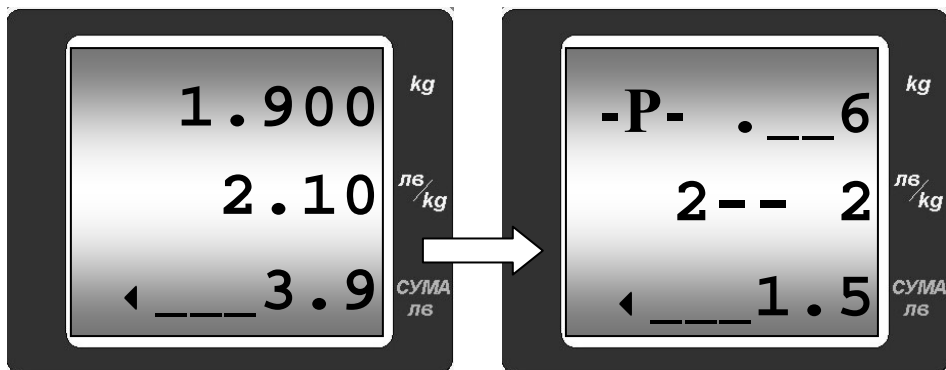
8.1.5.2. Accumulated totals to the client's bill.

By pressing the **MR** the scale is switching in mode to view the Customer's Bill.

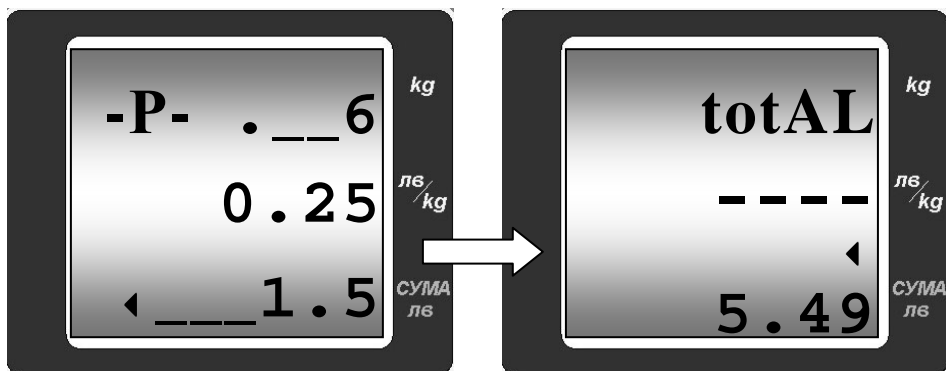


By pressing the **MR** repeatedly all the accumulated totals in the customer's bill are indicated

In the middle line of the display is shown a blinking mode "1-2" – it means that 1 of 2 sales are displayed with price per kg of 2,10 for this particular sale.



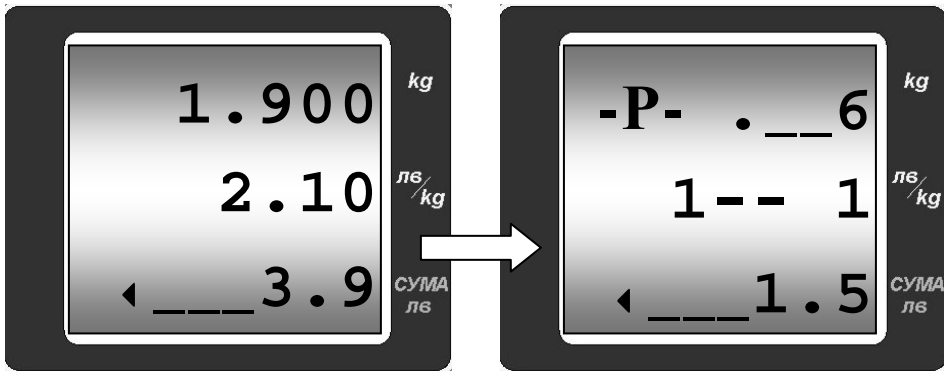
With the **MR** are reviewed all of the sales recorded in the client's bill.



To go back to “Weighing Mode” press the “C” or “CP” keys.

8.1.5.3 To delete a particular sale, choose the desired sale by pressing **MR** .To delete press the **MC** key two times. When deleted the display shows the previous sale.

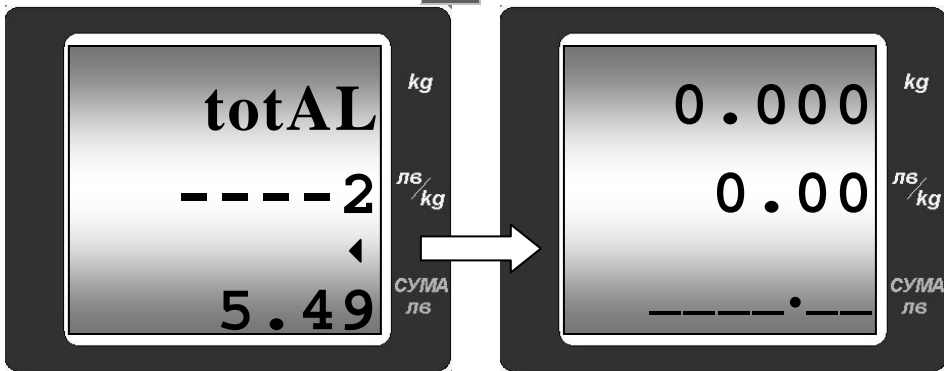
To delete sale #1:



Use the **MC** and **MC** keys to delete a sale.

After the delete is shown the next sale in the client's bill. The total number of sales is now 1.

8.1.5.4. To delete a Customer's bill. Press **MR** to go to the following screen:



Use the **MC** and **MC** keys to delete all sales and the Customer's bill.

After the delete is completed the scale is going to normal mode as a sign that the client's bill is clear.

8.1.5.5. **Note!!!** When reaching 15 sales with the **+** key, the scale automatically switches in a mode of displaying Client's bill. Press the **MC** key to exit the Client's bill and to continue work.

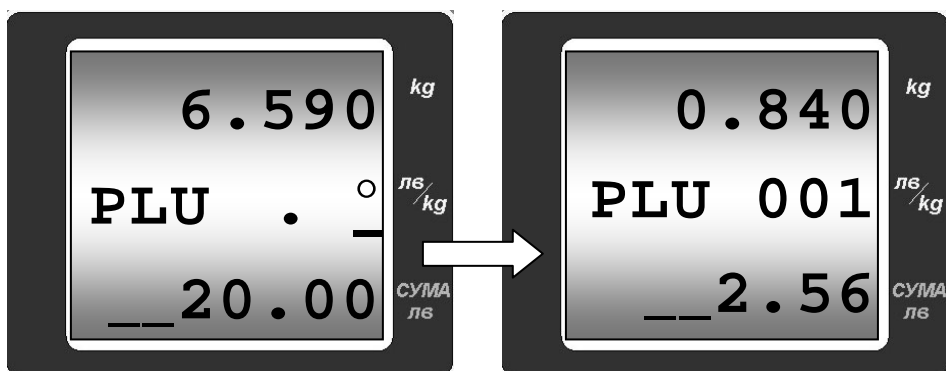
8.1.6. Register of Sales

When using the functions of Client's bill (see 8.1.5) exit the mode (see 8.1.5.4). The Client's bills are accumulated in a "Register of Sales". In the register are accumulated the different programmable articles (from 1 to MAX). The goods sold with manually entered price are accumulated in a cell (article) MAX+1.

Note!!! The sales of articles with fixed price per unit are stored in the register only as an amount, the number of these articles is not accumulated and stored.

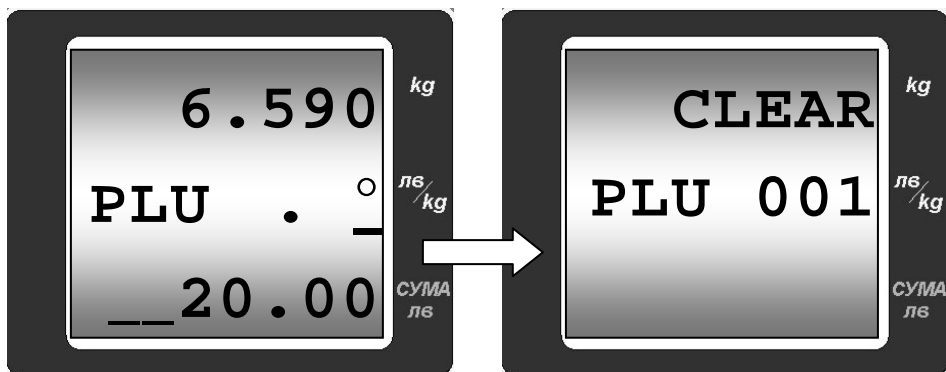
8.1.6.1. When sale is completed, press the **MR** to go to the "Register of Sales". The first screen shows the totals: weight and turnover of all clients' bills.

To go back to WEIGHING MODE use the C or CP keys



On the first line is shown total weight, on the bottom line is shown the total turnover at the moment.

Use the **MR** key to switch the articles on which there are accumulated sums.



To clear the "Register of Sales" press the **MC** key two times, when the "Register of sales" mode is entered.

When the register is cleared, a CLEAR sign is displayed followed by a sound. The number of the PLU is cleared at this moment.

8.2. COUNTING Mode

- 8.2.1 Activating from Service mode 2. Press **PRG, DW** after that press the **PRG** key rapidly till the "cnt 0" is shown on the display. By pressing the **C** key from the numeric keyboard change the blinking „0" to „1". Press **CP** to exit.
- 8.2.2 Before you start work, place an exact number of details, you want to count and define their exact number. For the next weighed details, this particular load will be used to define their exact number. It is recommended that the number of the first weighed details is with mass $e > 1/3$ of the maximum of the scales.
For example: If the maximum for a particular scale is 3 kg then the number of the details weighed should be at least 1 kg.

The 3 concepts are entered:

1. **Basic number of details** – this is the number of details which are used to calibrate the counting function.
2. **Basic weight** – the weight of the "basic number of details"
3. **Tare** – tare of the package or the pot which is used during the counting.

8.2.3 Work with PLU and previously set data for the details

The 3 concepts explained above need to input via PC for each article PLU, in order for the scale to work properly.

For the PC you need to use the "Article's parameters" in "parameters COUNTING" mode:

1. From **Weighting mode** double click PRG to go to PL1925, where 1925 is the maximal number of articles of the scale.
2. Use the „+" key to change PLU001.
3. On the line below is displayed "**Basic number of details**". Changing the number is done by the numerical keyboard.
4. If Tare is used – Place the object used for Tare and press „T" to set the Tare.
5. Press the „CH", to switch to "**Basic weight**" mode.
6. On the "Price per kg" line is displayed: „base" and "neto", on the "weight" line is displayed the set Basic weight or the current weight of the load placed on the scale.
7. Place the "Basic number of weight" (p.3) on the scales and when the weight is set, press the "T" key. The weight of the details is set as a "**Base weight**".
8. By pressing the „CH" key you can go back to the "**Basic number of details**" and Tare.
9. To save the changes press the „+" key and you switch to PLU002.
10. To go to specific PLU press "PLU" – the **PLU000** is displayed and the displayed number is entered by the numeric keyboard followed by the "PLU" key.

Perform the following steps

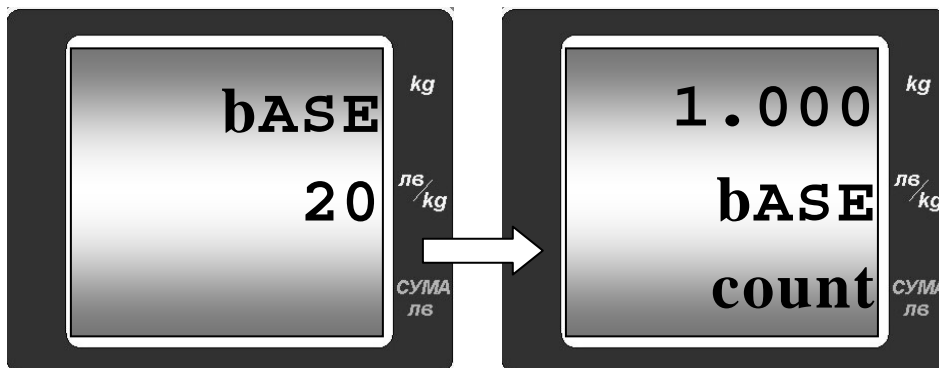
1. Turn on the scale, after all tests are performed double click the „CP" key.
2. On the middle line is displayed „0", on the "Weight line" is displayed „0.000" and „base"
3. By using the numerical keyboard, enter the desired PLU number: Example: 800200 followed by the „PLU" key.
4. On the first line of the display will be displayed the set Tare or „0.000" if there is no set Tare. On the middle line is displayed „base" and the value for „**Basic number of details**"
5. Place the desired number of details. On the "Total Price" is displayed the number of the details blinking text „count".

8.2.4 Work without PLU

Perform the following steps

1. Turn on the scale, after all tests are performed double click the „CP" key.

2. As a result on the middle line of the display is shown „0”, on the weight line is shown „0.000” and „base”
3. Place the “Basic number of details” and enter their number by the numeric keyboard. The entered number will be displayed on the “Price per unit” line.
4. By pressing the **PRG** key, the number and the weight are set and the scale is in “Counting mode” of the details



5. In the middle line the „base” text and the value of the „Basic number of details” is blinking.
6. Place the desired number of details. On the “Total Price” is displayed the number of the details blinking text „count”.

8.3. Labeling and Pre-labeling Mode

8.3.1. Labeling! To work with a label printer, the labels and the articles (PLU) need to be previously unloaded in the scale. This is done by using: Label editor and Parameter editor software offered by the manufacturer. Depending on the memory and the modification is possible to set the following data for each article (PLU): price, tare, name (up to 6 lines), article number, expiration date. Additional information can be set: 3 different consignment numbers, counter number, operator's number. The scale has a clock for real time, which can be also presented on the label or used for calculating the expiration date of the product.

Perform the following steps:

1. Turn on the scale by pressing **ON/OFF**
 - a. The scale performs all tests and weights the tare.
 - b. Turn on the printer
2. Method of work
 - a. Place a load of 200g or more and press **PRN** to print a test label
 - b. Choose a number of the article (PLU), which will be weighed
 - By using the numerical keyboard, enter the desired article number: For example: 85 followed by the **PLU** key.
 - c. Place the load

- d. After the readout is stabilized press **PRN** to print the label and to record the measurement
- e. Remove the load and place the next one.....

8.3.2. Label print by using the keyboard to enter a number of particular article.

Method of work:

- Enter the number of articles by using the numerical keyboard
- Press *****
- Enter the price per unit or the PLU number
- Print by pressing **PRN**

8.3.3. Print of group label when working with weighing or counting products.

Method of work:

- press **CH** to switch to "group" mode
- press ***** to switch between the accumulated weight and the accumulated number
- In the desired mode weighing/counting press **PRN** to print group label
- The accumulations are cleared by double pressing **MC**

8.3.4. Pre-labeling – manual input of the weight and printing the label

- Activate "Service mode" 2. **PRG**, **DW** and after that press the **PRG** key rapidly till "rELAb 0" is displayed. By pressing **C** from the numeric keyboard change the blinking „0" to „1". Exit with **CP**.
- In "Weighing Mode" double press **DW**.
- On the display for price per unit will be displayed blinking "PLU000" - enter the desired PLU number followed by **PLU**.
- On the display for price will be displayed "E 0.000", showing that you are in mode of manual input of weight. Enter the desired weight by using the numerical keyboard, followed by **PRN**.
- To change the PLU number, press **PLU**, enter the number and press the **PLU** key again.
- Exit by pressing **CP**.

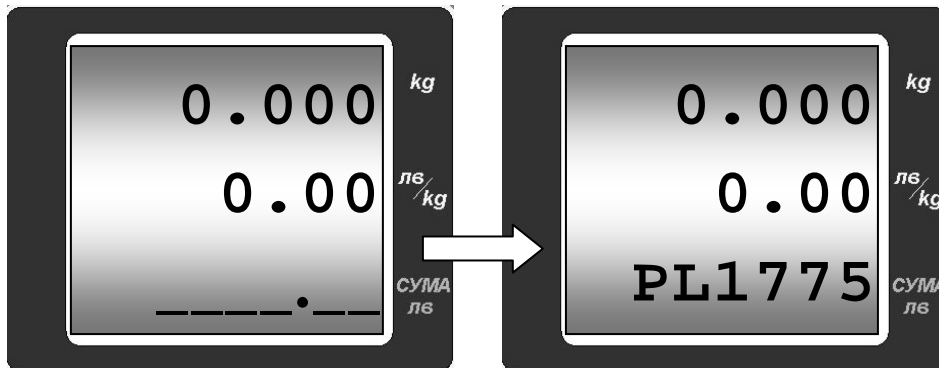
8.4. "Service Mode" 1 and 2

In Service mode 1 are set prices and tare of the articles, battery condition, parameters for work with the scale.

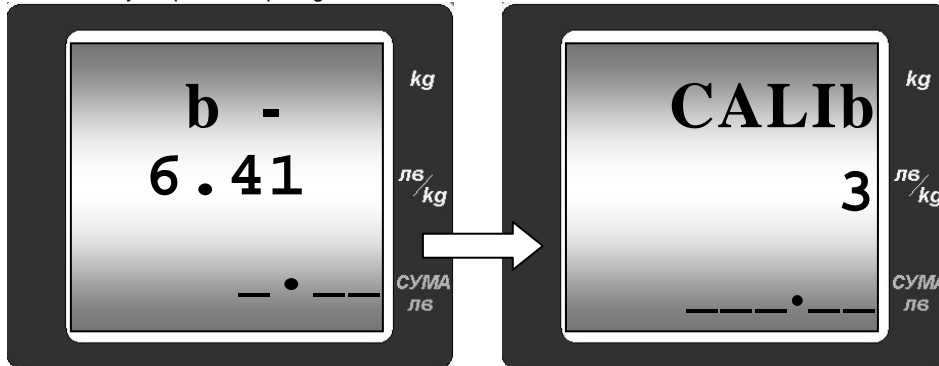
In Service Mode 2 is changed the presence of the decimal point and parameters for label print and other parameter for activation/deactivation on different functions of the scale.

8.4.1. Switching to "Service mode 1"

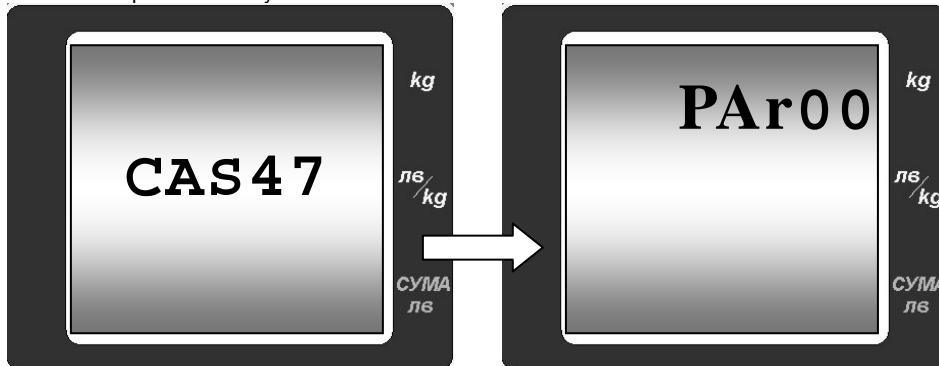
Double click **PRG**. By continuous pressing of the **PRG** key is switching to the different functions of the mode.



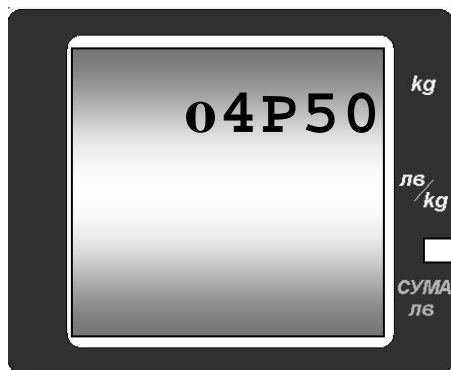
PRG, **PRG** - switching to programming of articles (in detail p. 8.4.3). This function is available only for price computing scales
 The first mode is „Programming of price and tare” – described in detail in p.8.4.3.



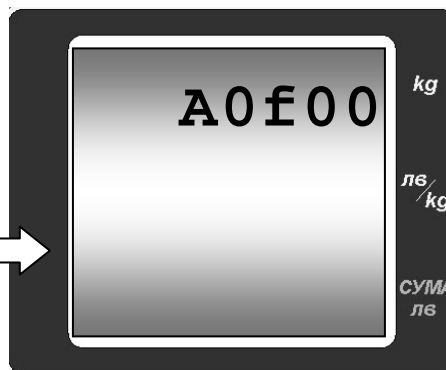
PRG - Voltage of the battery (6.41V). Described in p.8.4.5. battery check
PRG - Calibration mode of the scale



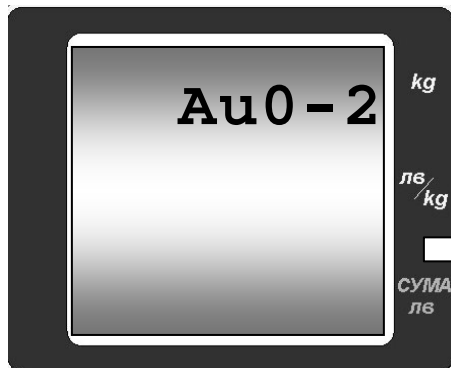
PRG - Set up of the PC communication
PRG - set up of the additional PC communication parameters



PRG - software version

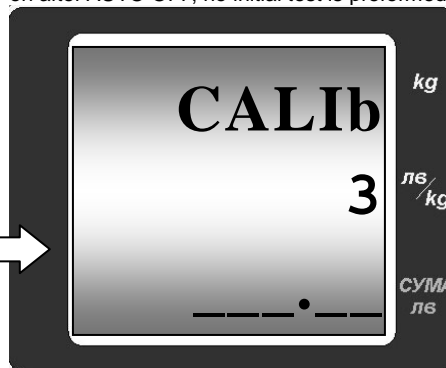


PRG - AUTO OFF – by using the numerical keyboard is set time after which the scale automatically turns off. When turning the scale on after AUTO OFF, no initial test is preformed

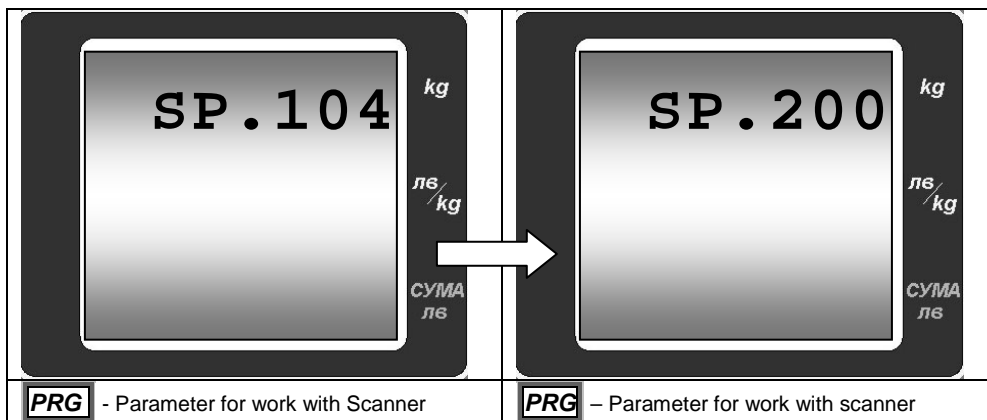


PRG - Au0-0 – Automatic checking for Zero (0).

For value =0 automatic checking for Zero is Disabled;
 For value =1, negative shifts are Enabled; For Value =2 positive and negative shifts are Enabled.



PRG – Calibration Mode of the scale

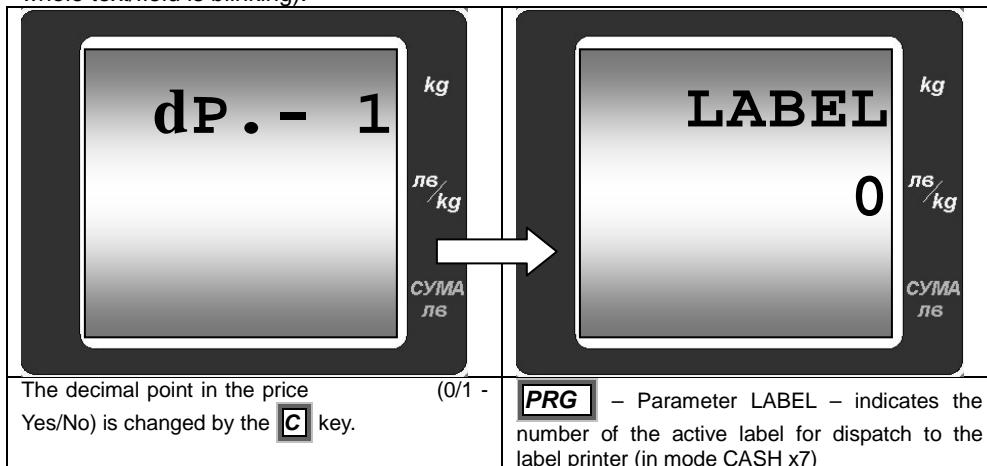


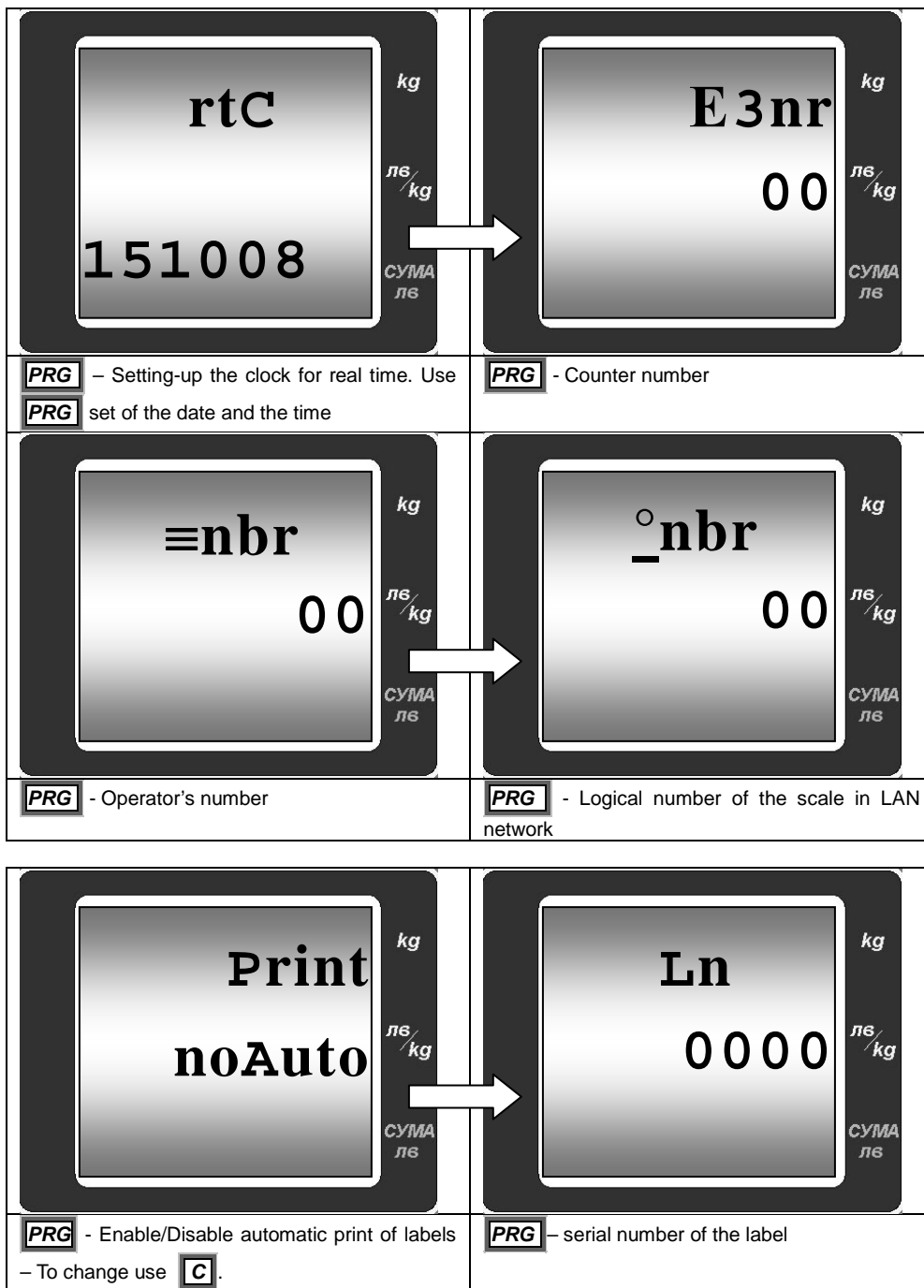
By pressing **PRG** the scale is going back to “WEIGHING Mode”

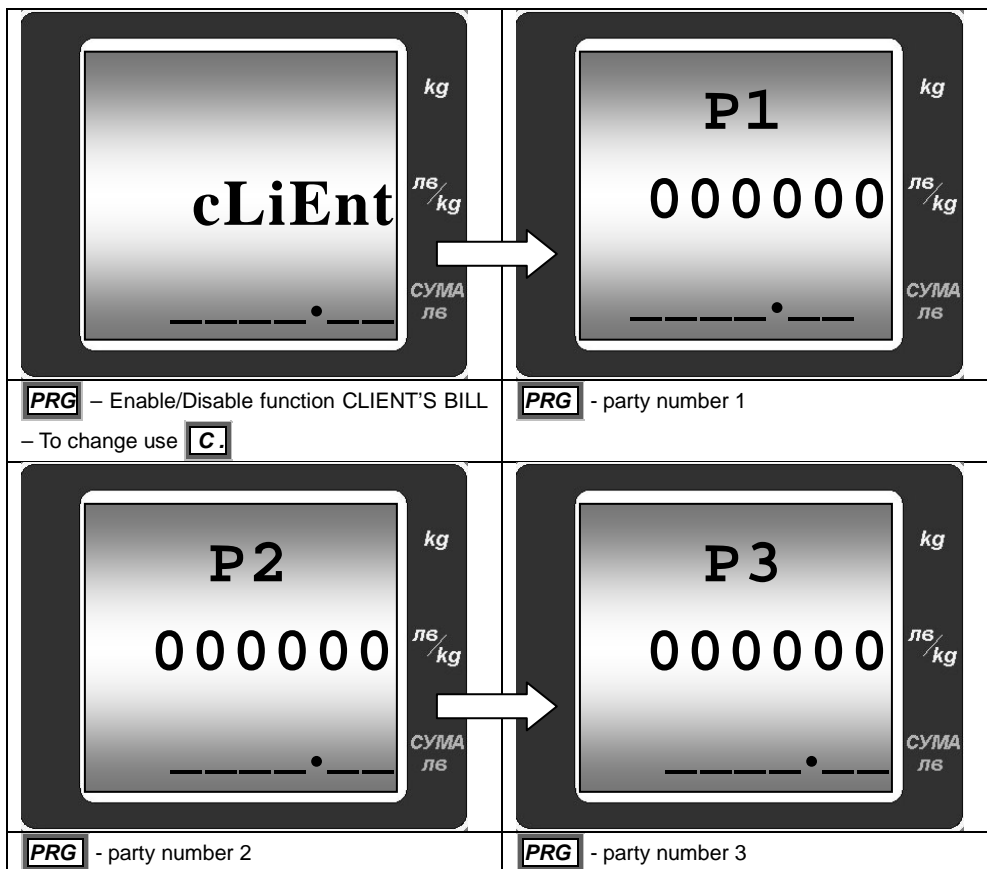
From each function of the Service Mode you can switch to “WEIGHING Mode” by pressing **CP**.

8.4.2. Switching to “Service mode 2”

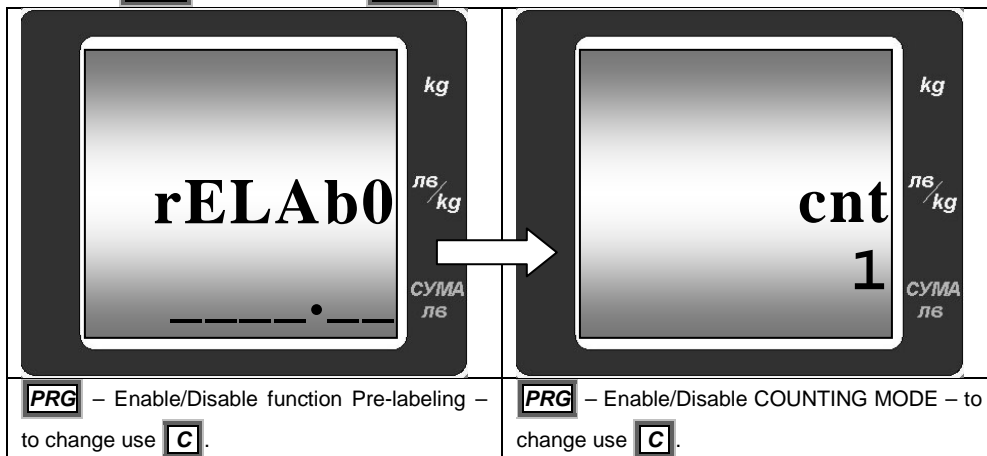
In WEIGHING Mode press **PRG** followed by **DW**. For setting the parameter are used the keys **0**..**9**, **C**; **PRG** – for switching to next parameter, **CP** – for switching back to WEIGHING Mode. The non-numerical fields are changed by **C**, (When changing the non-numerical fields, the whole text/field is blinking).

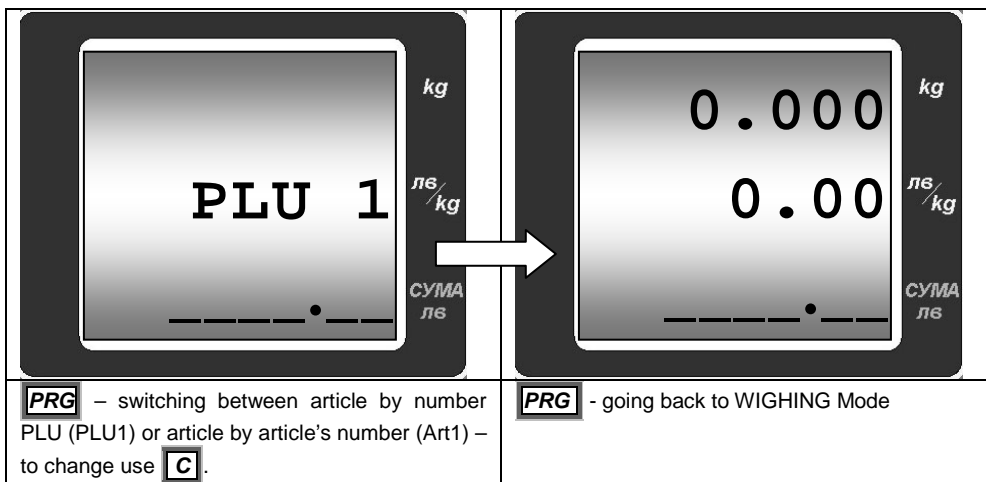






* The access to the parties numbers can be obtained in WEIGHING Mode with unloaded scale by pressing **PRG** followed by the **PRN**.

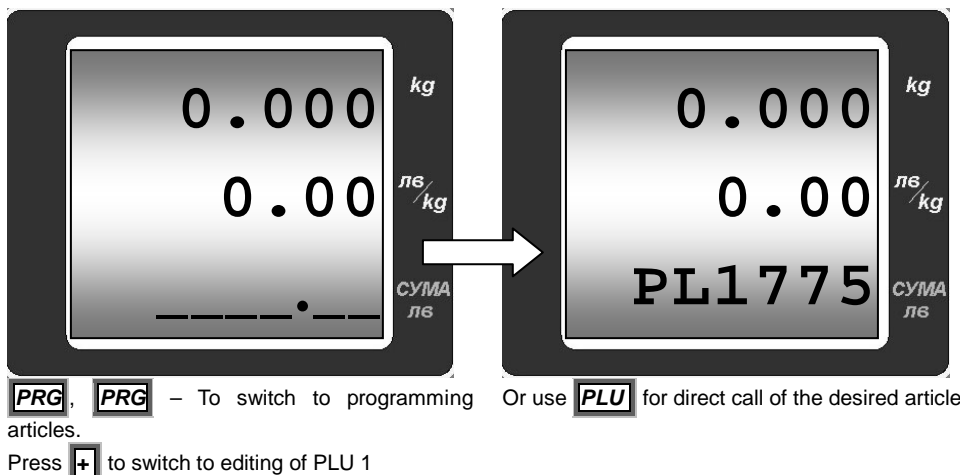


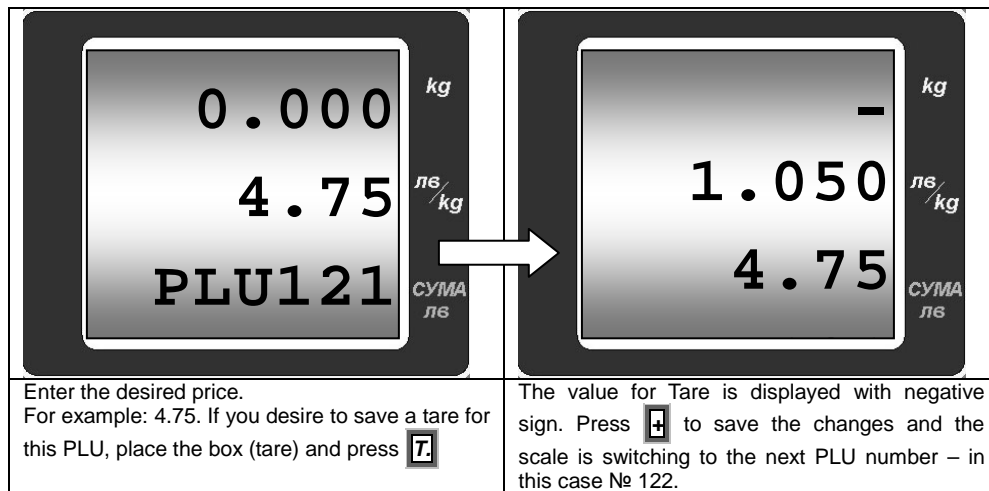
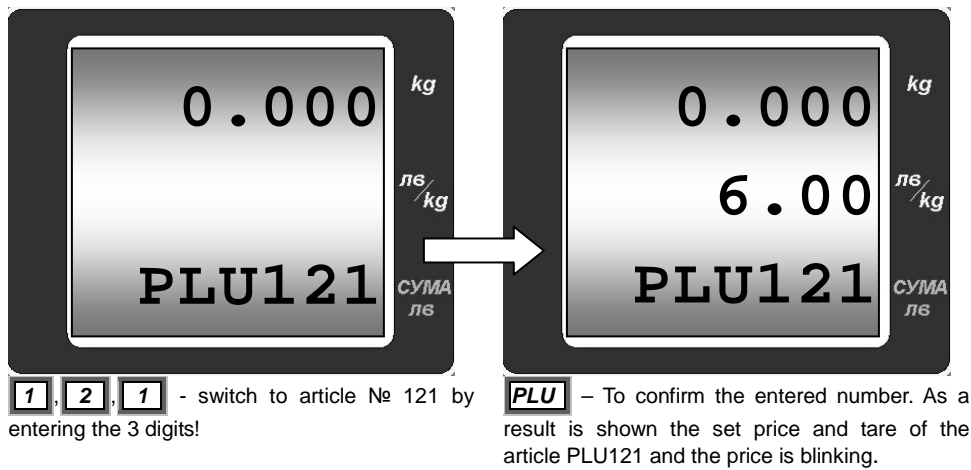


For in detail description how to use PRE-LEBALING function, see p.8.3.4;
 For COUNTING FUNCTION, see p. 8.2

8.4.3. Setting articles (for price computing scales)

To switch to this function, double click **PRG** in WEIGHING Mode. The display shows price and tare for article **1775**. If there is no set tare, the display for weight is showing the current weight. The price of the article is blinking and the display for total price is showing the articles number. To switch to the desired article press **PLU**, From the numeric keyboard choose three digits for the desired number. For example: **0, 8, 9** or **0, 0, 1** or **1, 5, 6**

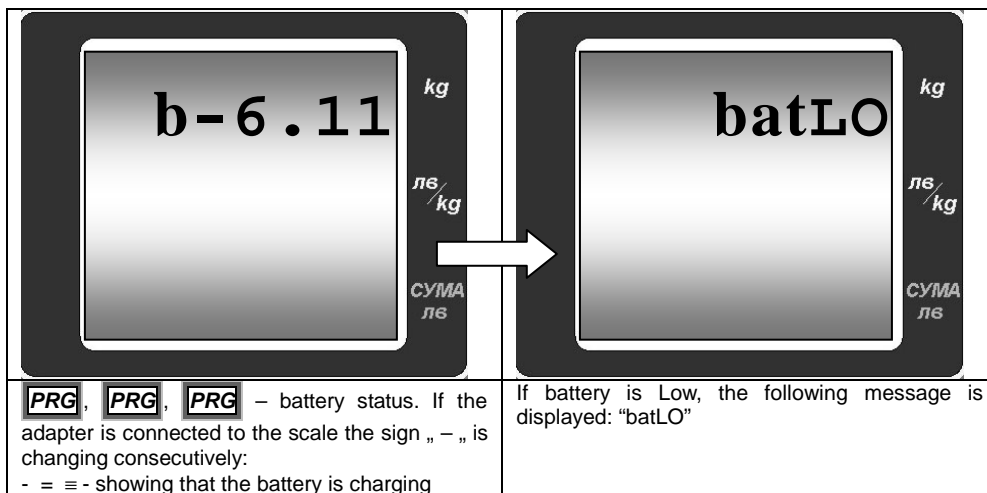




To go back to WEIGHING Mode press **CP** at any time to skip the rest of the functions in the SERVICE Mode.

8.4.4. Battery check

This function of the SERVICE Mode is used to check the condition of the battery. The numerical value is showing the voltage of the battery. There 3 factory set values for the voltage of the battery – V min, V middle, V max. When the scale measures the voltage less than V min, the display shows „bat LO”



After the message “batLO”, the display is turning off automatically. When working without adapter the dropping of the voltage is displayed by a battery icon in the left part of the display. The company recommends turning on the adapter in order for the battery to be charged! **The deep discharging of the battery shortens its life dramatically!!!** After the adapter is turn on, the voltage of the battery is raising and the battery icon disappears. Continue the charging till the battery voltage reaches close to 6,8V with the adapter turned on.

8.5. Connecting to external devices

The scale can be connected to PC, label printer or cash register via RS232 connection. A 9-pin connector is mounted with 2 different channels for connection.

Channel 1:

- PIN 5 - mass
- PIN 2 - receiving (active +5V for “0”)
- PIN 3 - delivering data from the scale (active +5V for “0”, 0V for logical “1”)

Channel 2:

- PIN 5 - mass
- PIN 8 - receiving (active +5V for “0”)
- PIN 7 – delivering data from the scale (active +5V for “0”, 0V for logical “1”)

The scales have several communication protocols, which are activated by setting the **CASH XX** protocol in SERVICE Mode 1. The transfer speed is set by the **T** key and the cash register with the

PRN key. The communication is done through Channel 1.

Channel 2 is design for connection with label printer.

First digit	Speed, [baud]	Second digit	Protocol
0	4800	0	Electronica
1	1200	1	KA ORGTECHNICA
2	2400	2	KA Elka 752, Datecs
3	4800	3	KA Karat, Deisy, Bimco scales
4	9600	4,5	KA Eltrade
5	19200	6	Protocol with continuous dispatching of the weight
6	38400	7,8	Connection with PC, PRN
7	4800	9	Scales Angel, CAS, DIBAL

For example: **CASH 02** means speed 4800 for cash register E752 or Datecs.

When connecting to cash register, the scales sends inquiry for weight through the interface but is can send data for the balanced load by operator's order by pressing **PRN** .

Note: The connection with PC and label printers is managed by set speed and protocol 7, For example: In mode **CASH47**.

* *The software and cables for connection are additionally offered by the manufacturer.*

8.6. Error Mode

The error mode is shown by lighted bottom segments (lines) along the display and a sound signal.

The Error Mode is indicated when:

- The scale is overloaded. On the scale's plate is marked the maximal load – the sum of the tare and the goods weighed shouldn't exceed the maximal load.
If the scale is overloaded, remove the load from the platter.
- The scale reads a mass below the Zero. Adjust the metal platter – the rubber tampons should go into the corresponding holes of the aluminum load-transmitting body and press **>0<** to zero the scale.
- When turning the scale on **ON/OFF** , after all self-checks are completed the scale reads out a large diversion from the Zero position set by the manufacturer. Remove all loads from the platter; make sure that the platter is placed properly. If necessary press the **>0<** key.



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