



## ELECTRONIC BALANCES

LABORCOM	110-L	COD.5830025
LABORCOM	210-L	COD.5830026
LABORCOM	600-L	COD.5830031
LABORCOM	1100-L	COD.5830032
LABORCOM	2100-L	COD.5830033
LABORCOM	11000-L	COD.5830027

# OPERATING INSTRUCTIONS

**BALANCE LABORCOM - 110 L cod. 5830025**

**BALANCE LABORCOM - 210 L cod. 5830026**

**BALANCE LABORCOM - 600 L cod. 5830031**

**BALANCE LABORCOM - 1100 L cod. 5830032**

**BALANCE LABORCOM - 2100 L cod. 5830033**

**BALANCE LABORCOM-11000 L cod. 5830027**

## COMMON FEATURES

Seven segments display of easy reading.

Stabilisation time: +/- 3 seconds.

External automatic calibration.

Tare range by subtraction up to maximum capacity.

Part-counting function.

Automatic setting.

Overload indicator.

Operation temperature: from 5 to 35°C.

Voltage: 220V +/-10V /50Hz +/-1 Hz

MODELS	CODE	MAX. CAPACITY WEIGHING G	PRECISION +/- g.	EXTERNAL MEASURES			Ø PAN SIZE cms	Weight kg
				Height	Width	Depth		
LABORCOM - 110 L	5830025	110	0,01	7	17,5	24	12,5	1,6
LABORCOM - 210 L	5830026	210	0,02	7	17,5	24	12,5	1,6
LABORCOM - 600 L	5830031	600	0,1	7	17,5	24	12,5	1,6
LABORCOM- 1100 L	5830032	1100	0,1	7	17,5	24	12,5	1,6
LABORCOM- 2100 L	5830033	2100	0.1	7	17,5	24	12,5	1.6
LABORCOM-11000 L	5830027	11000	1	7	17,5	24	16,5x16,5	1,8

## A.- OPERATING

1. Put the scale on a stable working table to avoid influences of shaking, sunlight, airflow and strong electromagnetic waves.

2. Operation Environment

Temperature Range: 5°C - 35 °C

Temp. Fluctuation Range: 5°C/h.

Humidity Range: 50-85%

## B.- RUNNING THE SCALE

1. Connect the scale to the power supply of 220V.

2. Turn on the power switch. The scale will display "8.8.8.8.8", then the "weighting capacity" and then the stabilization signal "-----". After this, the weighting zero point "0", "0.0" or 0.00" will be displayed. Now the scale is ready to operate.

If "Error\_1" appears, turn off the power, wait 3 seconds, and turn on the power. The scale is ready to function again.

## C.- CALIBRATING THE SCALE

1. The calibrating operation is good and corrects half hour after the scale is warmed up.
2. Leaving the weighing plate empty, hold the button "CAL" for approximately 3 seconds until "\_ \_CAL\_ \_" is displayed. When flashing "1000" is displayed, (or another value depending on the model) is displayed, put the calibrated weight of 1000g. (or the weight corresponding to the scale model) on the weighing plate, the waiting state "- - - - -" is shown on the display for about 10 seconds, then "1000.0" will be displayed. Take the weight away, the scale will go back to "0", "0.0" or "0.00" and the calibration is finished.  
Repeat above-mentioned calibration indications if it can not weight properly.

## D.- WEIGHING

1. The weighing zero point "0", "0.0" or "0.00" is displayed after the scale is warmed up to be stable or calibrated.
2. Put the matter to be weighed on the weighing plate, the mass of the matter will be shown at once.
3. If the fraction point is flashed when the matter is taken away, it means that the inner sensor is unstable. For weighing ordinary run and for weighing precisely run after the fraction point is stable.

## E.- SUBTRACTING TARE

1. Put a container on a weighing plate, and the mass of the container will be displayed on the scale.
2. Press the button "TAR" and "0.0" will be displayed and the tare has been subtracted.
3. Put the matter in the container, and the mass of the matter will be displayed.

## F.- COUNTING OPERATION OF THE SCALE

1. Access to set the average state to count single matter.  
Put the container needed in counting at the weighing plate. If the container is not needed, don't put Button "COU", the scale displays "\_COU\_", then "10" flashing is displayed. Then put 10 matters on the weighing plate to be counted, and then press the button "AFF", for about a second, the waiting state "\_ \_ \_ \_ \_" will be displayed. After approximately 3 seconds, "10" will be displayed. The scale will then be operated for counting after average number setting operation finishes.
2. If the counting requirement is high ideal and the mass uniform for single matter is not, then choose larger average unit at best. Press button "COU", then "10" flashing is displayed. Press button "TAR", the change from "10, ..., 50, 100, ..., 250" will be displayed. Choose a value. The other operation is same as 1.
3. The mass of single matter counted must be larger than 400mg. If less than 400mg, use several matters as one matter. After counting, transferring counting may be made.
4. Button "COU", the scale will go back to weighing.

## G.- OVER-WEIGHT ALARM

If the weight of the object to be weighted exceeds "100.5%" times, the display will show "-----", to indicate that the total mass to be weighted exceeds the maximum allowed weight range, in this case, object must be removed. **Otherwise, the scale will be damaged.**

## H.- ATTENTION TO USE

1. Warming up is necessary accordingly prior to use.
2. The tare and mass of the matter to be weighed must not exceed the weighing range.
3. If the weighing results are not correct, calibrate the scale.
4. If the incorrect information is raised, refer to the following list:

Error	Description	Treating method
E1	CAL value large	Calibrate again
E2	CAL value small	Calibrate again
E3	Single matter is less than 400 mg	See point F (3)
E4	AD Value over	when running, no matter should be on weight plate
E5	AD value small	running after putting the weight plate

## I.- WARRANTY LIMITATION

This product is guaranteed for one year from the date of acquisition. We recommend you keep the invoice as proof of date of purchase. This covers possible defective material or faulty assembly. The guarantee does not cover damage caused by misuse of the apparatus.