

LabField

102720 Laboratory balance, 600g/0.01g



User manual

I: Product brief

Labfield electronic balance is an intelligent balance composed of high-stability sensors and single-chip microcomputers. It has functions of tare weight, memory, counting, and fault display. The balance weighing accurate, fast and stable, simple in operation, and complete in functions. Suitable for industrial, agricultural, commercial, school, scientific research and other units to quickly determine the quality and quantity of objects.

II: Product overview



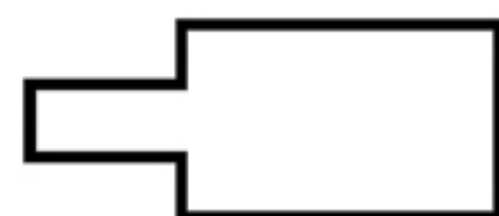
III: Product introduction



IV: Product data

Capacity	600g
Reachable	0.01g
Pan Size	115mm
Dimensions	200*265*140mm

V: Error comparison table

Phenomenon	Possible reason	Solution
upper line —	Negative weight on the balance	Recalibrate with weights
underline —	Overweight alarm, see clause 8	Recalibrate with weights
Err.1	Caused by continuous switching machine	Shut down for 3 seconds and then restart
Err.2	Unstable weighting	Wait a while
	Low battery voltage	Change the battery

VI: Correct usage

Getting started

- Place the balance on a stable and flat workbench, adjust the leveling foot to make the leveling bubble centered, the balance should be protected from vibration, sunlight, airflow and strong electromagnetic interference.

Boot

- Connect to the external power supply or install the 9V battery.
- Press the "ON/OFF switch" key, "8.8.8.8.8.8.", "Max weight value", "-----" will be displayed in turn, the display time of "-----" depends on the stability of the sensor, so pls don't place the balance on the tuye or on an unstable workbench. The weighing mode of "0" or "0.0" or "000" is displayed finally. If the "O" symbol in the upper left corner flashes, it indicates that the workplace is unstable, then don't perform the following 3 to 7 operations.

Calibrate the balance

- Place the balance on a stable and flat workbench, and should avoid vibration, sunlight, airflow and strong electromagnetic interference. Turn on the balance power and preheat it for half an hour, could make the calibration result more accurate.
- Calibration operation
Calibration: Without adding any object to the weighing pan, hold down the "CAL calibration" key and hold it for about 3 seconds, when "--CAL-" is displayed, release it immediately; After a while, the display flashes "standard weight value", place the weight corresponding to the flashing "standard weight value" on the weighing pan, at this time it displays "-----" and waits, then when the "standard weight value" is displayed again, remove the weight, the display will change to "-----" and wait for a while, the display will display "0 or 0.0 or 0.00", and the calibration process is over. If the weighing is still inaccurate after calibration, repeat the calibration several times according to the above process.

Weigh

- After stable startup preheating or calibration, display weighing mode "0 or 0.0 or 0.00".
- Place the weighing object on the weighing pan to display the weight of the object.

Tare

- Place the container on the weighing pan, and the balance will display the weight of the container.
- After pressing the "TARE" key, "0.0 or 0.00 or 0.000" is displayed, indicating that the tare weight has been removed.
- When the object is placed in the container, the weight of object is displayed.

Balance counting operation

- Put a required container for counting on the weighing pan (leave it out if you don't need any container). Press the "TARE" key to display "0 or 0.0 or 0.00", and then press the "PCS Count" key, it will display "10" and flashing, the lower right corner of the screen shows the conversion from "g" to "PCS", then put 10 objects to be counted on the pan, and press the "PCS count" key. • The display changes to "-----", waiting state, after a while, the display changes to "10" to complete the averaging operation, and the balance can start counting. (For this operation, the zero point must be "0 or 0.0 or 0.00", the weight of a single count must be greater than the min. readability of the balance-the resolution)

Balance unit conversion operation

- Press the "UNIT" unit conversion key, each press can be displayed in turn, "CT(carat)", "OZ (ounce)", "LB (pound)", "g or Kg(gram or kilogram)", different weighing units can be displayed according to user needs, the default value of the balance is "G(g)".

Overweight alarm

- When the weight of the weighed object exceeds $(1+2\%)$ of the value displayed at the start-up, the upper horizontal line "-----" is displayed, indicating that the accumulated weight exceeds the specified range, and the weighed object should be taken immediately, otherwise the balance will be damaged.。

VII: Precautions for use

- It should be energized and preheated according to the regulations before use.
- Tare and weighing value must not exceed the weighing range.
- If the weighing is inaccurate, the balance should be calibrated with a standard weight.
- If you need to remove the weighing pan on the balance, please turn the weighing pan clockwise and then remove it. Do not pull the weighing pan up directly to avoid damage to the sensor.

Delivery list

- Rond pan Balance Host
- Weighing pan
- Wind shield
- Power adapter
- Instruction manual

