User manual

Product brief

JOANLAB 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.

Product introduction

1. Product data

Image	Model	Capacity	Reachable	Pan Size	Dimensions
	JNB50001	5000g	0.1g	155*175mm	200*265*75mm
	JNB100001	10000g	0.1g	155*175mm	200*265*75mm
	JNB150001	15000g	0.1g	155*175mm	200*265*75mm
	JNB2001	200g	0.1g	115mm	200*265*75mm
	JNB5001	500g	0.1g	128mm	200*265*75mm
	JNB10001	1000g	0.1g	128mm	200*265*75mm
	JNB12001	1200g	0.1g	128mm	200*265*75mm
	JNB20001	2000g	0.1g	128mm	200*265*75mm
	JNB30001	3000g	0.1g	128mm	200*265*75mm
	JNB1002	100g	0.01g	115mm	200*265*140mm
	JNB2002	200g	0.01g	115mm	200*265*140mm
	JNB3002	300g	0.01g	115mm	200*265*140mm
	JNB5002	500g	0.01g	128mm	200*265*140mm
	JNB6002	600g	0.01g	128mm	200*265*140mm
	JNB10002	1000g	0.01g	128mm	200*265*140mm
	JNB20002	2000g	0.01g	128mm	200*265*140mm
	JNB30002	3000g	0.01g	128mm	200*265*140mm
	JNB1003	100g	0.001g	90mm	200*265*140mm
	JNB2003	200g	0.001g	90mm	200*265*140mm

2．Button description

图标	名称	图标	名称		
ON OFF	ON / OFF Key	CAL	Calibration Key	TARE ZERO	Tare / Zero Key
UNIT	Unit Select Key	PCS	Counting Key		

Operation

1.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.

2.Boot

(1) Connect to the external power supply or install the 9V battery.

(2) 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 tuyere 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 .

3. Calibrate the balance

(1) 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.

(2) 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.

4.Weigh

(1) After stable startup preheating or calibration, display weighing mode "0 or 0.0 or 0.00".

(2) Place the weighing object on the weighing pan to display the weight of the object.

5. Tare

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

6. Balance counting operation

Put a requried container for counting on the weiging 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 C-ount" 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)

7. 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)".

8. 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.。

Precautions for use

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

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

Delivery list

> Rond pan Balance Host   > Weighing pan   > Precision 0.01g balance are equipped with wind shields   > Power adapter   > Instruction manual

> Square pan balance host   > Power adapter   > Instruction manual

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