

LabField

102735 Electronic Balance, 300g/0,001g



User manual

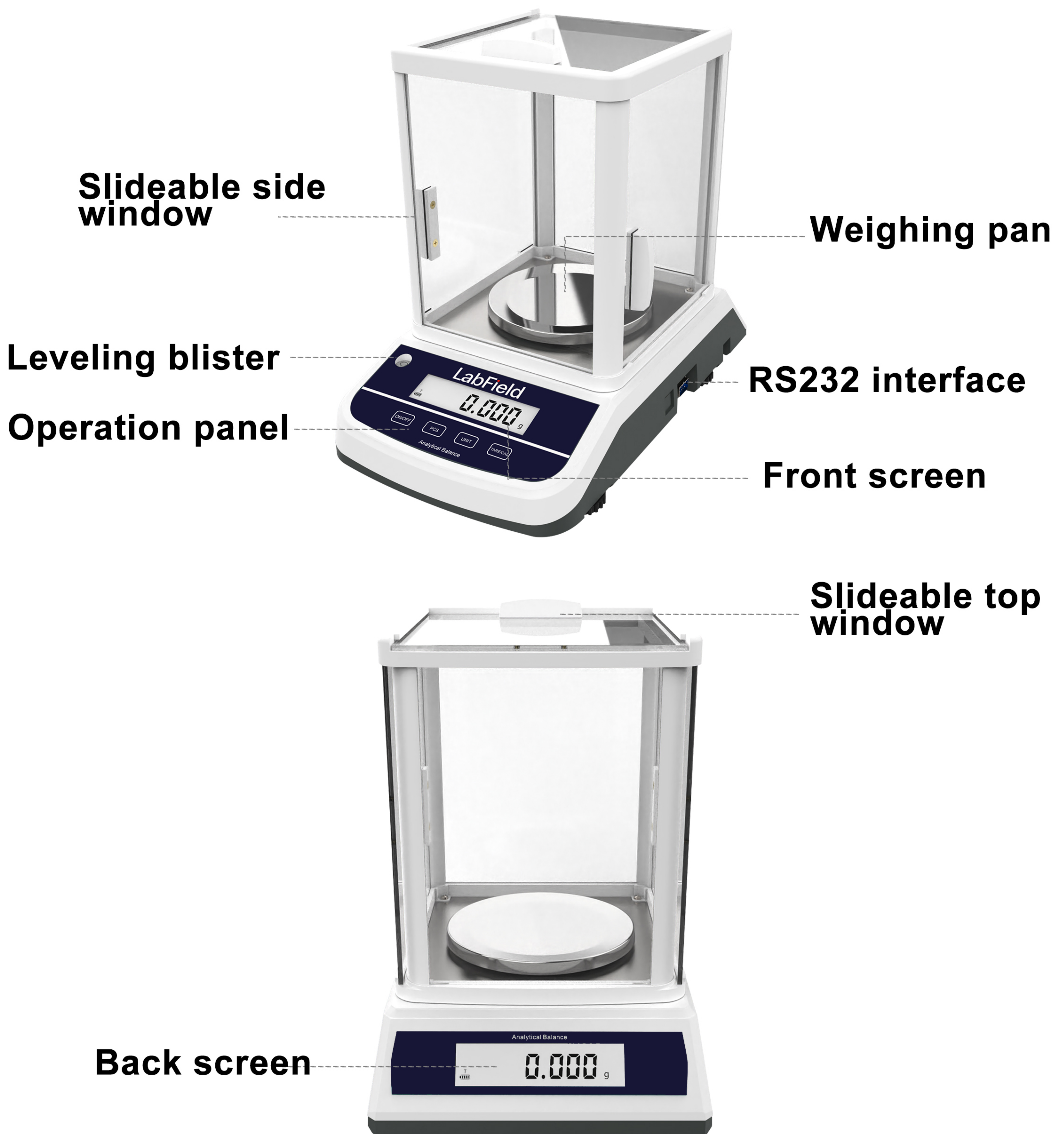
I: Product brief

Labfield 102735 series electronic balance consists of a high stability sensor and a single chip micro-computer. It is quick in weighing, accurate in speed and simple in operation. It can be widely used in industry, agriculture, commerce, schools, scientific research and other institutions to quickly weighing the quality and quantity of objects.

II: Product overview

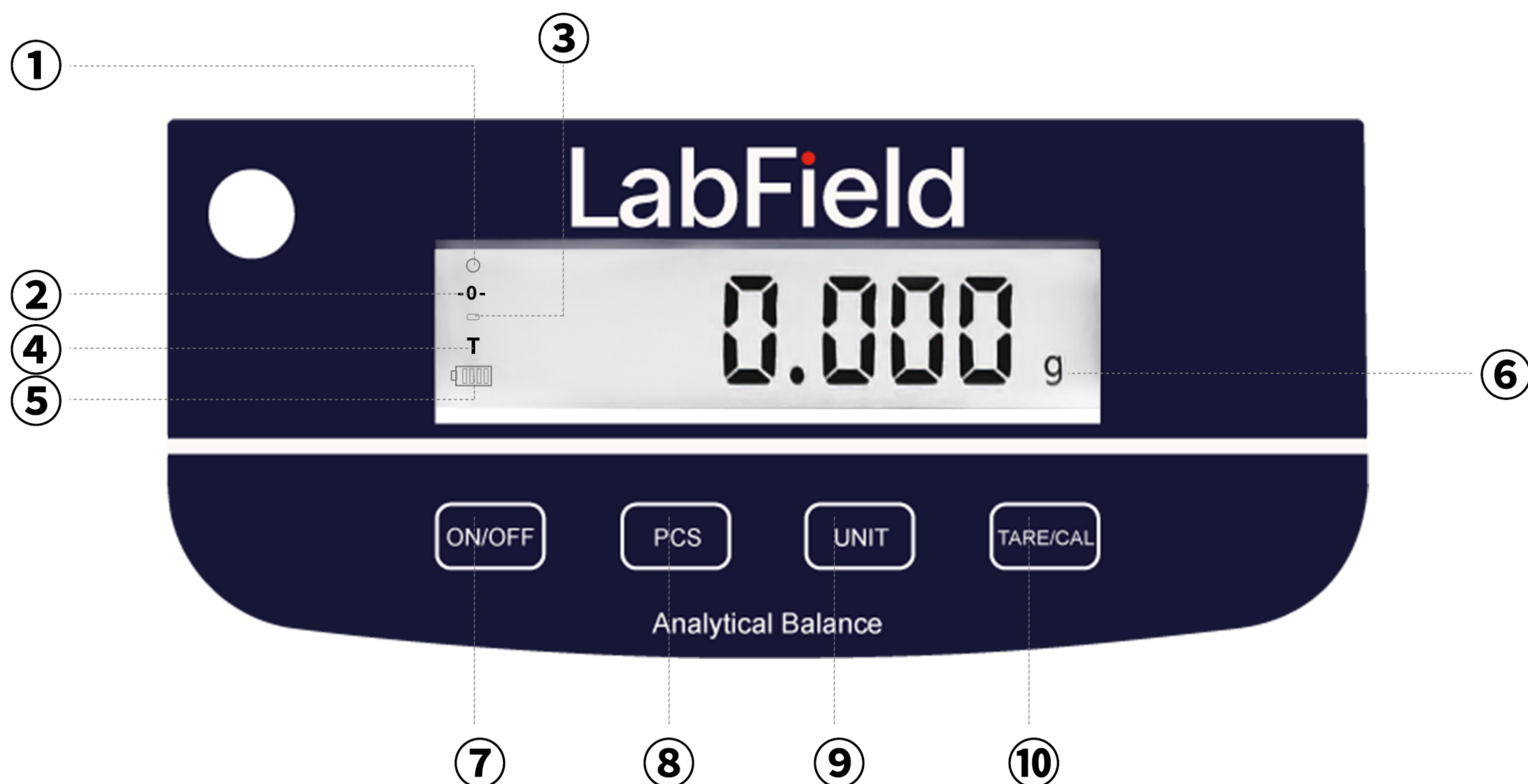


III: Product introduction



IV: Product data

| | |
|--------------------------------|---|
| Max Capacity | 300g |
| Accuracy Class | II |
| Accuracy | 0.001g |
| Repeatability | ±0.002g |
| Linearity Error | ±0.002g |
| Stability Time | ≤3S |
| Pan Size | φ90mm |
| Dimensions | 320*195*280mm |
| Voltage | AC110V~240V 1.5V dry battery*4 |
| Power | 5W |
| Calibration Mode | External calibration |
| G.W | 3.0kg |
| N.W. | 4.0kg |
| Packing Size | 375*255*340mm |
| Communication Interface | RS232(USB interface optional) |



| NO. | FUNCTION |
|-----|---|
| ① | Zero symbol and stability symbol will disappear after reaching weighing stability |
| ② | Zero symbol |
| ③ | "- "symbol |
| ④ | Tare symbol(Tare weight 4%over the scale capacity) |
| ⑤ | Battery symbol |
| ⑥ | Optional units(g/kg/t/T/TAR/dr/PKT/GN/TMR/gsm/tlJ/mo/dwt/oz/b/tlT/ozt/tlH1%) |
| ⑦ | ON/OFF button |
| ⑧ | Counting button |
| ⑨ | Function switch button |
| ⑩ | TARE/CAL button |

V: Operation Guide

Preparation

- Put the balance on a steady flat surface away from vibration, direct sunshine, air blow or strong magnetic disturbance, adjust four feet to make the bubble in the middle.
- Plug in the AC adapter.
- Press "ON/OFF" button, the display shows "0", "0.0" or "0.00", the scale enter into the weighing state.




Remarks: If the display not shows the zero symbol (digital display shows the arrow does not point to the zero position, the scales not reaches stability state, please change to other place to use.

Calibration

(1) One point calibration



- Press function key "TARE/CAL" to clear the readings to "0.0g".
- Remove all loads from the platter, press and hold "TARE/CAL" button for 3 seconds, release the button when --CAL-- is shown on the display. when the display shows 100.0000, put a standard weight on the pan accordingly. (put on 2kg weight). when the display shows the weight figure, remove the weight, finish the calibration.

(2) Multi-point calibration

- Remove all loads from the platter, press and hold “CAL” button for 3 seconds, release the button when  is shown on the display. when the display shows , press and hold “PCS” button for 3 seconds, release the button when  is shown on the display, put on the standard weight accordingly, remove when stable, put on the standard weight again, till the scale shows “0.0g” to finish the multi-point calibration.

Usage

(1) Piece counting

- Press “PCS” button, the display shows 
 ;
- Put on 10 pcs objects on the pan (objects size, shape, weight need to be the same, deviation <5%, and each pc weight >d)
- Press “PCS” button again, wait for the figure on the display is stable, scale starts piece counting mode.
- Press “PCS” button under piece counting mode, exit piece counting mode.

(2)Percentage

Scale unit is“g”, put on the object of reference of percentage weighing

- Press“UNIT”button, till the display shows unit “%”, the scale enter in percentage prog-ramming
- Put on the object you need, display shows the percentage according to the object of reference.

(3)Unit conversion

- Press “UNIT”button to select weighing unit.

(4)Overload

- When the weight of object exceed the max capacity of scale, the display will shows -----g, remove the object immediately, to prevent the damages to the scale.

(5)Low battery indication

- Press“PCS”and hold on, till the scale skips piece counting procedure, when display shows [0--oFF]g, scale enter in low battery mode setting,“off”will be shown on the display all the time.
- Then press“PCS”, display shows [0-- 1]g, low battery mode start. (1 for 1second) when scale pan without object and the figure back to “0”, display will shut up after 1 second.

(6) Baud rate setting (232 interface)

- Press "PCS" and hold on, till the scale skips piece counting procedure, when display shows $[0--OFF_g]$, Press "TAR" button till display shows $[3-- 2_g]$, press "PCS" button to set BRS.

C3-3----BRS 4800

C3-4----BRS 9600

C3-5----BRS 19600

(7) Print Settings

- Press and hold the "PCS" key, and after the skip count program appears $[0--OFF_g]$, press the "CAL" key to $[2-- 2_g]$. Press the count key to adjust the printing method;

(8) Speed Settings

- Long press the "PCS" key, and after the skip count program appears $[0--OFF_g]$, press the "TARE/CAL" key to $[2-- 2_g]$. Press the count key to adjust and adjust the reaction speed. (It is not recommended to adjust privately.)

VI: Transport And Storage

- In the case of factory packaging, the electronic balance is allowed to be transported by general vehicles. During transportation, it should be protected from severe vibration, rain and sunlight.
- The electronic balance should be stored in a dry and ventilated warehouse with a temperature range of 10°C-55°C and a relative humidity of not more than 85%. There should be no corrosive gas or liquid in the warehouse, and the storage time should not exceed one year.

Delivery list

- Balance host
- Weighing pan
- Power adapter
- Manual

