

Operating Manual

Precision Balances

CB

external calibration



When the balance is on, press **On/Off** to turn off the balance.

3.2 Calibration

When precision weighing is done, calibrate the balance as follows:

First take away the object from the platform, then press **Light** to set the display to zero. Press **Tare** or “LINE”. “SCALE” means calibrating the balance sensitivity; “LINE” means calibrating the balance linear. Press **Tare** to be sure (If press **Unit**, the **Unit**s of calibration can be interchangeable).

3.2.1 Sensitivity calibration

When calibrating the balance sensitivity, two different weight values can be used.

According to the shown calibrating weight value, press **Unit** the two calibrating weight values can be interchangeable, press **Tare** to make sure. After that, the balance will display “0”. In a few seconds, the balance will display the calibrating weight value. At this time, put the corresponding calibrating weight on the center of the platform according to the shown weight value.

In a few seconds, the display will stop, and meanwhile the calibrating weight value will be shown, indicating that calibration is over. Normal weighing can be done.

3.2.2 Linear calibration

Being in the state of “LINE”, press **Tare**, the balance will display “0”. In a few seconds, the balance will display weight value of full capacity; according to the shown weight value, put the corresponding calibrating weight on the center of the platform.

In a few seconds, the display will stop, and meanwhile the calibrating

weight value will be shown, indicating that calibration is over. Normal weighing can be done.

NOTE: The balance linear has been calibrated in the factory, unless the users need to change the loadcell or have the right weight.

3.3 Units exchange

Under weighing, press **Unit** to get the following units:

~~g~~ ~~oz~~ ~~ozt~~ ~~dwt~~ ~~gn~~ ~~ct~~ ~~t~~

Note: The balance has the function of keeping the current unit, that means when the balance is turned on next time, the unit shown on the indicator will be the last one.

3.4 Tearing

Under weighing, press **Tare** to set the display to zero.

3.5 Backlight

Keep on pressing **Light** for two times, **F1** appears, backlight bigger than 10d will be on automatically.

Press **Unit** to select **F2**, it means the backlight is always on;

Press **Unit** to select **F3**, it means the backlight is always off;

Press **Tare** to make sure, the backlight can be set to different states.

3.6 Auto Off

When this function is selected, the balance will turn off if it is idle for the selected period of time (1-9 minutes). Choose “OFF” to disable the function, or choose the setting ranging from 60 seconds to 540 seconds.

Operation as follows:

(1) Keep on pressing **Light** for three times, “OFF--540 S” appears;

(2) press **Unit** to change the setting;

(3) press **Tare** to confirm the setting.

4. Points for attention

4.1 The balance mustn't be stricken, preventing it from being damaged by organic solvent.

4.2 Weighing can't be done at the places where there are radioactive

substances around or the magnetic force is very strong, so as not to effect the weighing accuracy.

4.3 Remove the batteries when the balance is not in use, so as not to corrode it .

4.4 Please clean the balance with wet cloth.

5.Limited Guaranty

This product is guaranteed from the date of manufacture on for one year. The guaranty includes check, maintenance and parts replacing for free charge. The following circumstances are excluded from the guaranty:

5.1 For wrong use;

5.2 Damaged by radioactive or corrosive substances;

5.3 Let the foreign matter permeate into the inner part;

5.4 The balance is damaged by the persons who are not assigned by our company while being examined or changed;

5.5 The loadcell is damaged artificially.

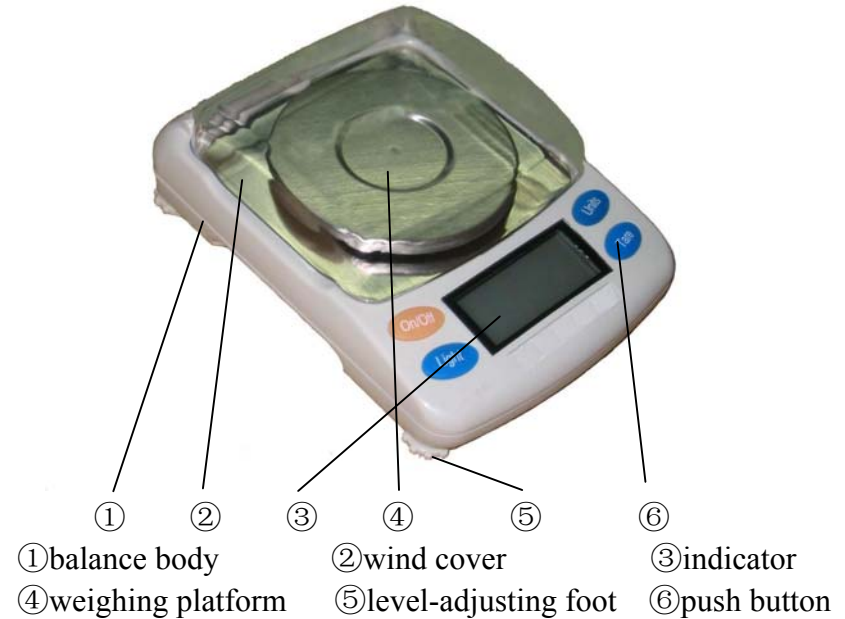
6. Specification

Model	CB-30	CB-50	CB-60	CB-90	CB-100
Capacity and Readability(g)	30g×0.001 30g×0.002	50g×0.002	60g×0.002	90g×0.002	100g×0.002
Pan Size mm	Φ46	Φ46	Φ46	Φ46	Φ46

1.Description

This kind of balance is mainly used to do weighing and measuring with high precision. It has the functions of preventing wind, resisting static electricity, exchanging units, calibrating and backlight. It also has the packing box for carrying and avoiding striking. It can be used with both alternating current and batteries.

2. Construction



3. Operation instruction

3.1 Turn on/off

Put the plug into the socket at the back of the balance and connect with the mains. Press **On/Off** to turn on the balance.

