



BALANCE SCALE DA **User Manual**

IV. Cautions

1. You should strictly operate the balance in accordance with the operating instructions.
2. The balance should be placed on a smooth and stable platform, where it shouldn't be influenced by a vibration, strong airflow, thermal radiation, strong electromagnetic field, etc.
3. If a display is not stable after power on, you should check whether the weighing pan is placed well, is touched and blocked by something.
4. Pls charge completely then store then store if long time nonuse. Using power by outer power and battery alternately can get longer battery life.

I . Description

DA Series of electronic Balance with Precision is the new product joint manufactured. It is widely used in many trades and in various kinds of weighting, checking, measuring, testing, and analyzing and ect. With high requirements. It plays an important role in improving the product quality, economic benefits, and work efficiency. This manual has given an introduction to its features as follows.

II . Specifications

Mode	Weight Limits	Weight adjustment	Resolution	Operation Temperature	Power Supply
DA200	200g	200g	0.001g	0~40℃	DC9V (6V 2.8Ah)
DA300	300g	200g	0.01g		
DA600	600g	500g			
DA1000	1000g	500g			
DA2000	2000g	1000g			
DA3000	3000g	2000g	0.1g		
DA6000	6000g	5000g			

III.Operating Introductions

1. Turn on: with no load on the platform, turn on the power switch. the window will display “999999” ~ “000000”. When “0” is displayed, weighing can be done.
2. Calibration: First take away the object from the platform ,then press  to set the display to zero . Press  3

Second, displaying “F0”, then press  , displaying “LOAD” “***g” . Put on the corresponding adjustment and the adjustment weight will be displayed when stable. After removing the weight, you can perform a weighing.

If “CALF” is displayed, press  , the window will display zero and make another adjustment.

3. Weighing: If the balance is overloaded, the window will display “HHHHHH”.
4. TARE: Press  to set to zero if necessary.
5. Counting: Place a sample on the weighing pan, the window will display its weight. Press the  key. “10pcs” will be displayed. Their sample numbers are 10, 20,50,100,you can choose the multiple of the sample using the  key. You can stop counting using the  key, so that balance has no mark of “pcs” to restore the weighting mode.
6. Function set:

Press  key 3 Second to display F0, enter verification function. Verify by pressing  key. 

Press  key to display F1, enter background light set function. 0--turn off, 1--turn on when loaded, 2--turn on all the time.

Press  key to display F2, enter Zero tracker function. 1---0.5d, 2---1d, 3---1.5d, 4---2d. (Press  key select)

Press  key to display F3, will be show filtering parameters.

Press  to select.Press  again to exit.

Numerical more hours, anti-vibration and poor, but to add trace value, quick responses,numerical, and good resistance to vibration, will be added when the slow response.

7. Unit Selection

This balance has the function to select these units: **g, oz, ct, lb, tl, ,**

dwt Press  to switch

8. Linearity Calibrate (only for model with suffix *)

Before linearity calibration, ensure the readings are accurate when set the normal calibration weight on the scale. Press and hold

 for 3 seconds,"F0" will display. Press  .

“LOAD” and “***g” will alternately flash. Do not set any weight on the scale. Press  . “LOAD” and “***g” will alternately flash again. Set the corresponding weight on the scale. After stable, the linearity calibration is finished.

9. RS232C Communication

9.1 Baud rate =9600

9.2 Data form output by DA series electronic balances

+ (-) XXXX.XX UNIT< CR>

All the segments above belong to **ASC II** . Of these, the unit can be set by DA series electronic balances.

9.3 Wiring method

Computer(printer)		Balance	
2	RXD	2	TXD
3	TXD	3	RXD
5	Ground	5	Ground

9.4 When connecting computer, the computer can send out the 1BH, 70H instruction, requesting the balance to send out data once; Press the  ey , the balance can also send out data once.

10. When low battery light displayed, pls Recharge the battery immediately (Connect to outer power), or the weighing results will be incorrect.