**S.K.R.**▼

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# BN-V8DE series balance instruction

# manual

Version：V1.0

# Contents

## I. Precautions before use

**Please read this instruction manual carefully before you use this scale.**

1. Rain or washing with water is strictly prohibited.
2. Electronic scales are strictly forbidden to be placed in hot or humid places.
3. Do not allow cockroaches and small creatures to enter the machine and cause damage.
4. Do not hit or press (do not exceed its maximum weight capacity).
5. Remove the battery when it is not in use for a long time.
6. When it is found that it can't be used for a long time after charging for more than 10 hours, it means that the battery has aged. Please contact the factory for replacement.

## II. Preparation before use

1. Please use the electronic scale on a stable, flat table; do not place it on a rocking or vibrating gantry. Use four adjustment feet to keep the machine steady, and note that the bubble of the level needs to be in the center of the circle.
2. Avoid using the electronic scale in places where the temperature changes too much or the air flow is severe, such as direct sunlight and the air outlet of the air conditioner.
3. Please use a separate power outlet to avoid

interference from other appliances.

4. Do not put anything on the scale when you turn on the power.

5. It is best to heat the machine for 15-20 minutes before using the electronic scale to ensure accuracy.

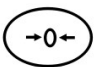6. The use environmental temperature of electronic scale:    0 ℃ ~ 40 ℃/32～104° F

## III. Key function description

$\boxed{\frac{Pr}{Fu}}$ ： Print，other function。

⬡ ： remove the tare weight, that's the weight of the package。

→0← ： zero the weight when emptying the scale

$\boxed{\frac{CAL}{UP}}$ ： Internal correction, set the upper limit

DOWN ： Unit change, down limit setting。

## IV． Indicator symbol

＋－ ： battery low voltage state

→Σ＋ ： Cumulative

State : stable state

↔T ： net weight state

→0← ： zero point state

oz ： ounce unit

lb ： pound unit

g ： gram unit

kg ： kilogram unit

## V. On/off

1. Boot

Remove the object on the scale plate, move it to the power switch, the electronic balance (scale) will display self-inspection, and then return to zero and enter the weighing state

## 2. Shutdown

Turn the power switch again to shut down.

## 3. Zero

If there is no object on the scale, but it shows weight on the display when using the scale，press (→0←) to make it zero. The weight value of the item is within the range of zero. If the weight value exceeds the range of return to zero (±10%·FS) and in the condition of peeling，press (→0←) does not work.

## VI. Function operation

### 1：Cumulative operation

Cumulative: scale to zero, put the object on, and wait for the data to stabilize, press (CAL/UP) once，shows "Add xx"．After 2s, the scale returns back to weight, if continue to cumulative, then must remove the object, waiting for weight, put the object on again, waiting for the data to stabilize, press (CAL/UP) again, and so on.

### 2．Cumulative indications: in the state of weighing zero, long press the (CAL/UP) key, the single window displays the accumulated number of bills, the weight window displays the total weight accumulated, and the quantity window displays the accumulated quantity. Press the (→0←) key to return to the weighing state.

### 3：Upper and lower limit setting

Lower limit value setting: in the state of returning to zero, press the (DOWN) key longer than 3s, enter the lower limit value set, the weight window shows "dn" and " 0.0" flickering back and forth, press (→◇) and (Pr/Fu) to enter the lower limit value you want to set, press the (→0←) key to determine.

Upper limit value setting: in the state of returning to zero，press the (CAL/UP) key more than 3s, enter the lower limit value setting，display "UP" and "0.0" back

and forth, press ⟨⟩ and ⟨Pr/Fu⟩ to enter the lower limit value you want to set, press the ⟨→0←⟩ key to determine.

Quickly set limits：Put items on scale and long press ⟨CAL/UP⟩or⟨DOWN⟩ more than 3s， It sets the upper and lower limits for the number you weigh.

1>If the lower limit is 0 and the upper limit is not 0, it represents: when the weighing data is greater than the upper limit value, an alarm is issued.

2>If only the lower limit value is not 0, the upper limit value is 0, which means: When the weighing data is less than the lower limit value, it will alarm.

3>If only the lower limit value is not 0, the upper limit value is not 0, and the lower limit value is less than the upper limit value, which means: when the weighing data is less than the lower limit value, or greater than the upper limit value, the alarm is issued.

4>If only the lower limit value is not 0, the upper limit value is not 0, and the lower limit value is greater than the upper limit value, which means: when the

weighing data is greater than the lower limit value, or less than the upper limit value, the alarm is issued.

## 4. Counting operation

If you need do testing for the members of sample，when it shows zero，press ⟨Pr/Fu⟩ more than 3s, it shows PC 20, means sample have 20 pcs， press ⟨DOWN⟩ to choose sample quantity, 20，40，60，80，100，Put same members of goods on the scale，press ⟨→0←⟩ confirm. Press ⟨→0←⟩ again to back to counting state.

## 5．Tare

If packaging is required to weigh the item, follow these steps： pack the object placed on the scale, press ⟨⟩ to deduct the weight of the package. The weight value is displayed as zero， The display shows" ⟨T⟩ "。，then put the goods on the scale that you want to weight， that's the net weight。It will shows negative number when you take the goods away。The tare Model will be shows again when you

press ⬡ again.

## 6. Charging instructions

When the battery power is low, please charge for 12 hours before using. When charging, the charging indicator shows "red" and when full it shows "green". Continue charging for 3-4 hours to ensure sufficient battery power.

## VII. Function parameter setting

Hold down the (DOWN) key and turn on again:

"P01 xx"

Press the (CAL/UP) key, or (DOWN) key, to switch back and forth as follows:

"P01 xx" is back light，or lighter setting

00： Represents automatic backlight, or automatically adjusts brightness

01： Represents the backlight always bright, or the brightness is high

02： Means that the backlight is always off, or that the brightness is low

"P02 xx" filter setup

00, 01, 02....09 the greater the number, the more stable the data

"P03 xx" anti-vibration coefficient setting

00, 01, 02....09 the greater the value, the more stable the data

"P04xx" boot unit setup， The default boot unit is ounce。

00: represents kg

01: represents g

02 represents lb

03: represents oz

"P05 xx" zero point tracking setting

00：0d

01：1d

02：2d

03：3d

04：4d

05：5d

06：6d

07：7d

08：8d

09：9d

"P06 xx" Three color light alarm mode selection

00 Represents the internal buzzer instability alarm，

01 Represents the alarm after the internal buzzer data stability，

02 It means that the external buzzer will alarm if the data is not stable.

03 Represents the alarm when the external buzzer data is stable.

"P07 xx" serial communication switch

00: serial communication switch off

01: serial communication switch on

"P08 xx" baud rate setting

00: the baud rate is 1200

01: the baud rate is 2400

02: the baud rate is 4800

03: the baud rate is 9600

04: the baud rate is 19200

"P09 xx" serial communication transmission mode

00：represents continuous transmission

01: Stable transmission mode 1, must be zeroed after the data is stable and sent, zero is not sent

02: stable transmission mode 2, the data is stable and sent

03: represents keystroke sending, press the "keystroke send" key to send

"P10 xx" serial communication data format（0-7 Weighing,12-15 Counting）

00: Giant forest format
01: Cody format

02: Xiangping format

03: Excel format

04: Yaohua A7 format

05: Yaohua A1+format

06: Yaohua A27 format

07: Jadever weighting format

"P11 xx" animal weighing function

00: represents animal weighting function switch off

01: represents animal weighting function switch on

"P12 xx" weight, or quantity alarm settings

00: represents weight alarm

01: represents quantity alarm

"P13 xx" weight, or quantity cumulative setting

00: represents weight cumulation

01: represents quantity cumulative

"P14 XX" directly displays "XXXXXX", the value of the inner code.

"P15 XX" automatic average function setting

00: automatic average closing

01: automatic average opening

"P16 XX" weight memory function setting

00: Weight memory function shut down

01: Weight memory function turned on

"P17XX" AB selects the three-color lamp display mode and selects the value of the initial alarm.

A represents: three-color lamp display mode

0 represents that three color lamp doesn't alarm

1 represents the lower limit alarm mode

2 represents the upper limit alarm mode

3 represents interval alarm mode

B represents: initial alarm data

0 represents 0d starts alarm

1 represents 5d starts alarm

2 represents 10d starts alarm

3 represents 15d starts alarm

4 represents 20d starts alarm

5 represents 25d starts alarm

6 represents 30d starts alarm

7 represents 35d starts alarm

8 represents 40d starts alarm

9 represents 45d starts alarm

"P18" display switch settings

00: weighing liquid crystal

01: weighting scarlet letter

02: counting liquid crystal

"P19" single memory function setting

00: single memory function shut down

01: Single memory function turned on

## VIII. Range setting and internal correction operation

Long press the (CAL/UP) key, then boot:

Display "CAL X", press the (⟡) key to switch the correction mode.

1: represents one point correction

3: represents three points correction

Press (DOWN) key to switch the next

Display "SP X"; Press (⟡) key to switch the unit

0: represents that the measuring unit is kg

1: represents that the measurement unit is g

Press the (DOWN) key to switch the next

Display "FXXXXXX", Press (⟡) and (Pr/Fu) key to switch it

XXXXXX: represents the value of the range (for example, 00015).

Press the (DOWN) key to switch the next

Display "div X" Press the (⟡) key to change

1: div 1 means digital is 1

2: div 2 means digital is 2

5: div 5 means digital is 5

Press the (DOWN) key to switch the next

Display "X.XXXX" Press the (⟡) key to switch the next

0: The representation is in range as unit and the data has zero decimal points

14

15

0. 0：The representation is in range as unit and the data has a decimal point

0. 00：The representation is in range as unit and the data has two decimal points

0. 000：The representation is in range as unit and the data has three decimal point

0. 0000：The representation is in range as unit and the data has four decimal points

0. 00000：The representation is in range as unit and the data has five decimal points

Press the (DOWN) key to switch the next

Display "5-4-3-2-1-0" change before entering the correction value.

If it is a point correction, you can press (⬦) and (Pr/Fu) keys to set the value to be corrected. After changing the value, put it on the corresponding to the value of the weight, wait for the steady light to be on →0← , press (→0←) it is said to start automatic

correction. When the correction is completed, the electronic scale will return to the weighing state and the one point correction is completed.

2>If it is a three-point correction，

it will jump to the value of the one third range and put the weight of the corresponding value，

wait for the steady light to illuminate and press the button to automatically，press(→0←)correct this value

Then jump to the value of the two-thirds range, put the weight of the corresponding value

wait for the steady light to light up，press(→0←)then the electronic scale will automatically correct this value.

Then jump to the full range value, put the weight of

the corresponding value, wait for the steady light to light up, ，press (→0←) then the electronic scale will automatically correct this value.

**IX. Prompt sign**

------:The object weight exceed the max capacity

FULL:It shows the value has exceed the display range

**X.Fault Repair**

For simple problems pleaserefer to the instructions in

This section and check the scale. lf the problems cannot be solved, please contact the manufacturer.

| Image | Problem | Solution |
|---|---|---|
| Can't on | Battery damage | Check the battery |
| Weighing value unstable | Scale feet unstable | Check and adjust the feet to keep steady |
| | Weighing objects shaking | Keep objects stable |
| The reading error is too large | Scale need to do calibration | Calibration |
| | Unit error | Change to correct Unit |
| Unable to charge | Power cord not plugged in place | Check whether the power plug is inserted in place |
| | Poor power line | Change power line |
| Can't weighing | Scale need to do Calibration | Calibration |