



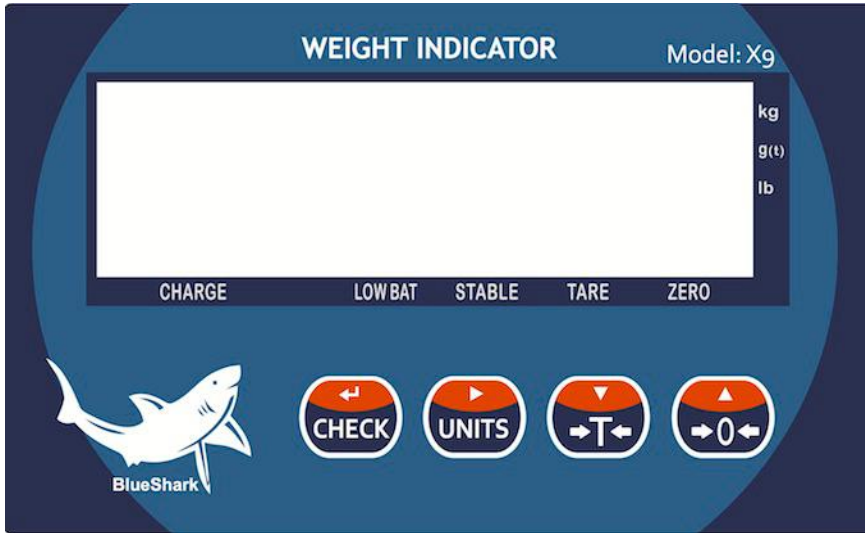
BENCH SCALE **AGU**  
User Manual



v.201811

Value Each Gram

# 1、 Contents



## 1). Screen

LOWBAT:	battery low
ZERO:	display when zero done
CHARGE:	the charging light is red when charging and green when it is full.
STABLE:	display when it is stable
TARE:	display when tare done

## 2). Key Illustration

UNITS:	select units in weighing mode
>T<:	shift key in calibrating mode tare in weighing mode ([TARE] in the following contents) decrease in calibrating mode.
>0<:	zero in weighing mode ([ZERO] in the following contents) increase in calibrating mode
CHECK:	set upper and lower weight limit in weighing mode confirm in calibrating mode

## 2. Operation Instruction

### 1). Power on

Turn on the indicator, and the display shows from 0 to 9 sequentially. The weighing value will be 0 after automatic checking, and it enters the weighing mode.

### 2). Zero

Check if the zeroing light is on before every weighing. If it is not, there may be difference in weighing value. Press [ZERO], the zeroing light is on and the display shows 0.

*Note: the zero range is 4% max capacity.*

### 3). Tare

Put the vessel on the platform, press [TARE] and the tare light is on (if the display is not 0, press [ZERO] again and the zeroing light is on), which means the weight of vessel is deducted. It is ready to weigh the goods.

- Note:
- Remove the vessel, the display shows minus. Press [TARE], the display shows 0 and the zeroing light is on.
  - Press [ZERO] in the zero range, the display shows 0. The zeroing light is on and the taring light is off.

### 4). Units selection

Press [UNITS] to select units in weighing mode.

### 5). Weight check setting

Under the weighing mode Press [UNITS] and [TARE], the display shows upper limitation value and “H” symbol. Use [UNITS], [TARE] and [ZERO] to input the upper limitation value. Press [UNITS] again, the display shows the lower limitation value and “L” symbol. Use [UNITS], [TARE] and [ZERO] to input the lower limitation value. Press [UNITS] and [TARE], then it is back to the weighing mode. If the weight on the platform is more than the upper limitation value or less than the lower limitation value, then the buzzer will make the alarming sound “beep”.

### 6). Alarming function

#### a. Overload alarming

When the load on the platform is over 0.3% max capacity, “-----” will show on the display with an alarming sound “beep”. The load should be removed immediately.

#### b. Charging alarming

When the light of low battery voltage appears, you are requested to stop using the indicator and recharge it with the provide adaptor for about 12 hours. When charging, the light of charging is on and is red. After the charging is full, the light turns to green. You can cut off the power.

## 3. Dealer's setting

Press [UNITS] and [TARE] to turn on the scale and enters in the dealer's setting. The display shows “FIL X”. “FIL” means filter selection.

### 1). Filter selection: “FIL X”

In order to get the faster responding speed or more stable value, press [TARE] and [ZERO] to revise the value. The default value is 3. The bigger is the value, the bigger is the filter value. The weight is more stable but the responding speed is slower. Press [CHECK] to confirm and enter the next function setting: zero tracking range setting.

### 2). Zero tracking range setting “ZE X”

Press [TARE] and [ZERO] to select the zero tracking value. The range is 1~7. The default value is 1. Press [CHECK] to confirm and enter the next function setting: Linearity factor setting

### 3). Linearity factor setting “LID X”

Revise the value when the linearity of loadcell is not good. “X” means the division of correction. Press [TARE] or [ZERO] to select the value. The default value is 0. For example, if the half capacity is more than 1 division, select the value as -1. Press [CHECK] to confirm and enter the next function setting: full capacity correction.

### 4). Capacity selection

The selecting range is 1kg-75t. Press [UNITS] to select the decimal point and [TARE] and [ZERO] to select the value. Press [CHECK] to confirm and enter the next function setting: division selection

### 5). Division selection “d xxx”

The selection range is 0.00005-50kg. Press [UNITS] to select the needed division. Press [CHECK] to confirm and enter the next function setting: Calibration.

### 6). Calibration: “E XXX”

“XXX” is the current calibrated standard weight. Press [UNITS] to select the numbers. The numbers selected flash and press [TARE] and [ZERO] to select the value.

- Press [CHECK] to confirm the selected standard weight and show the zeroing A/D value “XXXXX”. The value should be 5000-30000.
- Put the standard weight equal to full capacity on the platform, the display shows the full-load A/D value. The difference between the zeroing A/D value and the full-load value should be more than 30000. If not, press [UNITS] to enter the selection of amplification multiple. And press [TARE] and [ZERO] to select the multiple. 64 and 128 are available. Press [CHECK] and back to the mode of A/D

value.

- c. Remove the standard weight. When the zeroing A/D value is stable, press **[CHECK]** to confirm the collection of zeroing A/D value. And the display shows “**XXX**”-- the current calibrated standard weight, then the indicator show “0”, if not, press **[ZERO]** to show zero.
- d. Put the standard weight equal to the set value on the platform, and the indicator beeps one sound after it is stable, which means the calibration is finished. The scale enters in the weighing mode. (If the A/D value is not stable, press **[mode]** by manual directly to finish the calibration.)

#### **4. User setting**

Press **[TARE]** to turn on the scale to enter the user setting.

##### **1). Unit selection**

Press **[UNITS]** to select the units and **[TARE]** to turn on or off the unit. “**ON**” means the unit is turned on. “**OFF**” means the unit is turned off. Press **[CHECK]** to enter the next function setting.

##### **2). Energy saving selection “SP XX”**

“**XX**” means that the indicator enters the energy saving mode after the setting time. The display shut off and only one light flashes. Press **[TARE]** and **[ZERO]** to select the setting time. “**OFF**” means the function is not used. Press **[CHECK]** to enter the next function setting.

##### **3). Weight check setting “LI onX”, there are four selections available which can be set by [TARE] and [ZERO]**

- a. “**LI on1**” means the scale start to alarm when the weight is more than the upper limitation.
  - b. “**LI on2**” means the scale start to alarm when the weight is less than the lower limitation.
  - c. “**LI on3**” means the scale start to alarm when the weight is less than the lower limitation or more than the upper limitation.
  - d. “**LI on4**” means the scale start to alarm when the weight is less than the upper limitation and more than the lower limitation.
  - e. “**LI OFF**” means the alarming function is shut off.
- Press **[CHECK]** to confirm and enter the next function setting.

##### **4). Hold “Hd XXX”**

The function is only for the pet scale, which means that the function makes the indicator keep stable in the specified range when the weighing is not stable enough. Press **[ZERO]** to turn on or off the hold function. “**Hd OFF**” means the hold function is shut off. “**Hd on**” means the hold function is turned on. When the function is on, press **[UNITS]** to display “**Ht XXd**”. For “**XX**”, there are “10, 20.....70” selectable. Press **[ZERO]** to select. If 30 selected, which means when the weighing change is less than 30 divisions, the weight displayed doesn’t change. If “**tz**” is selected, the weight will not change no matter the weight is increased or decreased on the platform. Only when the user press **[TARE]** or remove weight on the platform, then the weight changes, ie, the indicator returns zero. Press **[UNITS]** to confirm and enter the next function setting “**Hr X**”. “**X**” means the holding time. There are 1-7 selectable. Press **[ZERO]** to select and **[UNITS]** to confirm.

Press **[CHECK]** to confirm and enter the next function setting

##### **4). Display light selection “Lt X”**

“**X**” means the display lightness. There are 1-7 selectable. Press **[TARE]** and **[ZERO]** to select it “1” darkest and “7” brightest. Press **[CHECK]** to confirm and enter the next function setting..

##### **5). Counting mode selection “cn XXX”**

“**cn on**” means the scale is in counting mode. “**cn OFF**” means the scale is in weighing mode. Press **[CHECK]** to confirm and it turn back to the first user setting mode.

If user’s setting is over. Turn off the power.

#### **5. CAUTION**

- 1). Display and operation panel should be cleaned by the wet towel, avoid soaking and cleaning these two parts in the water.
- 2). In case that the scale is not in correct zero position, please press **[zero]** key, the display shows 0.

- 3). Power on while the mobile phone or the wireless products are used nearby, the display may flash once, then return to normal status. If not, please restart.
- 4). The adaptor provided together with the scale should be used when charging.
- 5). After long-time use (above a year), when the rechargeable battery can't keep using for long after more than 12-hour charging, the old one should be replaced due to aging. You can change it at the nearest agency.
- 6). Please use energy saving mode in order to save electricity. Please shut off the power if it is not used for long time.
- 7). When the charging light is on, please recharge the battery in time.
- 8). When the indicator is low battery seriously, the screen flashes "**LBat**". The indicator can't be used until it's connected with the adapter.

## **6. Specification**

- 1). Response: 3-5 seconds
- 2). Display: LED display
- 3). Tare: Equal to max capacity
- 4). Over-load capacity: Auto alarm when load is over 0.3% max capacity.
- 5). Source: Rechargeable battery — DC 6V 4Ah  
Adaptor — AC 220V/DC12V、500mA
- 6). Power: working mode — 40mA; energy saving mode — 15mA
- 7). Temperature: Storage — -10°C -- +50°C Working — 0°C -- +40°C
- 8). Humidity: Storage — 5% ~ 90% R.H. Working — 10% ~ 80% R.H.

## **7. Load cell connection instruction**

Connector:    1: INPUT+(RED)                      2: OUTPUT+(GREEN)  
                  3: OUTPUT-(WHITE)                4: INPUT-(BLACK)

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