User Manual
Weighing Indicator
BTW

Table of Contents

> Thank for your purchasing of our Weighing Scale. To guide you to use our product correctly, please read this User Manual carefully to extend the life of machine and to avoid error.

Instructions for Use

1. Please keep scale in a cool and dry place. Do not store under high temperatures.

2. Please keep the scale clean and free from insect infestation.

3. Avoid impacting with other items or overloaded with excessively heavy weights. (The load must not exceed the maximum capacity of the scale).

4. If the scale is not going to be used for some time, please clean it and store it in a plastic bag in dry condition. A desiccant sachet may be included to prevent moisture from building up.

5. Please operate or charge the scale in an open area. Do not squeeze the power cord to avoid wire on fire.

6. Any suggestion is warmly welcome.

Preparing to Use the Scale

1. Locate the scale on a firm level surface free from vibrations for accurate weight readings. Adjust the four leveling feet to centre the leveling bubble on the scale.

2. Avoid hot sunshine directly on the scale or near the exhaust port of ventilating system.

3. Please use a separate power source plug, to avoid the disturbance of other electric appliance.

4. There should be no weight on the scale when power is turned on.

5. Commodity should be placed at the centre of platter when being weighed, and its size should not exceed the dimension of the platter.

6. We suggest to warm the scale for 15 ~ 20 minutes before using.。

7. Please note that when ⊞ symbol shows up on the display, which means the indicator needs to be charged. The indicator could only operate for another 6~8 hours. Then "- └□ -" will show on the display and the indicator must be fully charged before operating again.
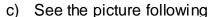
8. Introduction of Storage Battery

Due to the storage battery adopt the advanced free-maintaining technique, customers need not to replenish electrolyte.
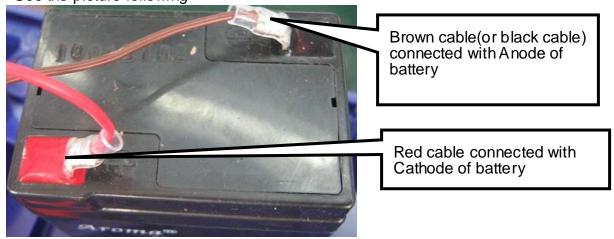
The scale should be recharged every 3 months to prevent failure of the internal rechargeable battery.

1. The battery should be charged for 8~10 hours.
2. The temperature of battery should below 45℃.

Maintaining

1. Please do not discharge with over-current when using the battery. Please charge the battery after discharging current.
2. Please take down the battery when the scale is not used for a long time or break the connection of cathode.
3. Do not short the battery terminals to check whether there is current. Please check whether the connection point is firm to guarantee good connection.
4. The battery should be replaced by specialized person. **No reverse-battery or the product will be damaged.**
   a) Anode of battery should be connected with Anode of product battery（usually red cable）
   b) Cathode of battery should be connected with Cathode of product battery (usually brown cable or black cable)
   c) See the picture following

Brown cable(or black cable) connected with Anode of battery

Red cable connected with Cathode of battery

Safety warnings

1. The electrolyte of battery is caustic which causes metal, cotton, etc to corrode.
2. The hydrogen will be resolved when using or charging the battery and it will cause explosion when approaches fire.

No burning   Caution Corrosion   Warning explosion   Children faraway

Chapter 1 Introduction
1-1 Features
- The interface is simple and easy to operate
- Up to 1/15,000 display resolution
- High Speed 24bits AD
- AC / DC switching function (Built-in rechargeable battery)
- Low power indication
- LCD display (Weight-6 digits); Full range tare; Auto zero tracking
- Simple counting; Gross/Net indication; Hold function
- Check mode Lo / Hi / OK with 3 selectable beeping sounds
- Lo / Hi / OK indication shows on LED lights
- Selectable unit: Kilogram (kg) and pound (lb)
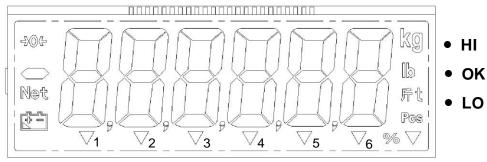- Easily viewing single weight / total weight within 1 button press

Option:
- RS232: Bi-direction transmission, easy data reading or printing
- Sleeve connecting stand

1-2 Specifications
- Display LCD 6 digits, Height 25mm, LED Backlight
- Indicator Dimensions: 235 x 163 x 133 mm (W x H x D)

1-3 Display

- 7

Icon Introduction

→0←	:	"Zero" indication
―	:	When the weight is negative, this icon appears.
Net	:	Put container on the platter, after stable and press tare key and the "Net" appears.
🔋	:	"Low battery power" indication
kg	:	"kg" unit
lb	:	"lb" unit
斤	:	"Taiwan Tael" unit
Pcs	:	Counting mode
%	:	Percent indication
HI	:	The weight is higher than setting value, "HI "LED on
OK	:	When the weight is between HI limit values and LO limits value, "OK "LED on
LO	:	The weight is lower than setting value, "LO "LED on

- ▼ **1** : "STABLE" indication
- ▼ **2** : "GROSS" indication. When the object is in net mode and press F key, this icon appears
- ▼ **3** : "M+" indication
- ▼ **4** : "PT" indication
- ▼ **5** : Range 2
- ▼ **6** : Range 1
- • **7** : When this LED is on, the indicator is charging.

1-4 Keypad Functions Description

key	Function	Hold the key for 1 sec.	Hold the key for 3 sec.
→0←	Zero key	Check Voltage	
↔◇	Tare/Pre-tare key	① Backlight setting ② Zero display setting ③ Local G value setting	
UNIT	Unit key		Enter password to enter external weight calibration
F	Function key		
⊙	Print / transmit key	RS-232 transmission setting	

1-5 Power Supply

Power Selection

6V 4Ah / 4V 4Ah rechargeable battery

110V/230V AC Adaptor

Power Consumption

White backlight: about DC 37.7 mA

Green backlight: about DC 12.95mA for 4V models; about DC 14.67mA for 6V models

LED charging icon

When "−L⊡−" shown on the display, the indicator must be charged. When the charging icon becomes red, it means the indicator is charging; when the charging icon becomes green, it means the indicator is fully charged.

The indicator needs to be charged for about 8~9 hours when "−L⊡−" shown on the display.

1-6 Error Massage

E0 ⇒ The EEPROM is not working correctly.

    (The EEPROM is not set yet, or the circuit on PCB is broken.)

E1 ⇒ Zero is higher than the zero range when switching the indicator on.

E2 ⇒ Zero is lower than the zero range when switching the indicator on.

E4 ⇒ A/D value is unstable

oF ⇒ ADIC value is over the maximum range. (2097151 ~ -2097152)

oL ⇒ The weight of the object is over 9 divisions of the maximum capacity.

−oL⇒ The weight of the object is under -1/6 maximum capacity.

Chapter 2 Operating Introduction
2-1 Keypad Operating

[→0←] **: Zero key**

If the weighing value is within the range of zero balance, it can be re-zeroed and tare cancelled.

[↔️] **: Tare key**

It can be tare except when the weight is negative and the maximum capacity.

Tare Function

❶ Place the container onto the scale, until the weight value is stable, press [↔️] key for zero return and the NET indication is shown on the display.

❷ Place the object into the container and the display shows the net weight value of the object.

❸ Remove both object and container, and negative value of the container will show on the display. Press [↔️] again to clear "tare value". The scale returns to zero and NET indication goes off.

🔳 Tare can be continuously done until tare value=maximum capacity

🔳 Continuous Tare ⇒ Press [↔️] key for continuous weight increase/decrease on platter.

🔳 If there is Tare, the pre-tare cannot be done. If there is pre-tare first, and the tare weight Is more than pre-tare weight, Tare can be done.

🔳 No Tare can be done under gross weight display mode.

Pre-Tare Function

When there is nothing on the platter, press [↔️] key and use keypad to input pre-tare weight. When the cursor flashes on the last digit of display, press [↔️] key again to complete. Method of clearing Pre-tare value: the same as the method of clearing tare value. Pre-tare mode, keypad function as followed:

[→0←] ⇒ upward key   [F] ⇒ move cursor leftward

[UNIT] ⇒ downward key   [↔️] ⇒ move cursor rightward

[F] **: Function key**

❶ In weighing mode, use this key to shift among simple counting function, check weighing function, accumulation function and hold function.

❷ In tare mode, use this key to shift between the "Net value" and the "Gross value".

Shift between Net value and Gross value

🔳 In the Tare mode, the "Net" icon shows up. Press [F] key, the screen displays the "gross weight " and when the "GROSS" icon ▼ shows up ,"Net" icon goes off. Press [F] key again the screen displays the "net weight " and when the "Net" icon shows up , the "GROSS" icon ▼ goes off .
When the screen displays the "gross weight" (the "GROSS" icon ▼ shows up), keys except the [F] key, have no response.

UNIT : Unit key

Use **UNIT** key to select a unit as the display indicated.

⬙ The selected unit will be memorized when you turn the indicator off. And the memorized unit will appear after you turn on the indicator next time.

⊚ : Print key
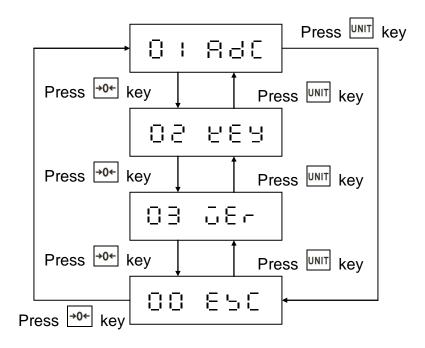
In accumulation mode, if the parameter set as ⌐ ⊓ P ⅎ or ⌐ ⊓ P Ꝕ transmission, it transmits the format of simple mode or complete mode.

This key is the combination key. while total counts is shown and weight returns to net zero, press ⊚ key to clear data and RS-232 transmits the MC printing format.

⬙ If there is new weight added on platter, a new data will be added to accumulation data. If this weight is not taken off, nothing can be added to accumulation data. Display will show the total counts for one second, then show net weight for one second, then the display returns to the current weight.

⬙ Clear Accumulation data: Press ⊚ key and the total counts shows on the display. Press ⊚ key again to clear accumulation data.

⬙ Weight must return to net zero if to perform clear function

2-2 Self Test Mode
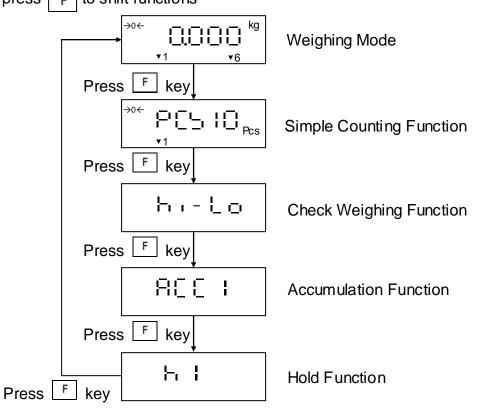
Press ⊚ key and not release. Then power on the indicator, Wait till display shows ◻╎ ╠╺╵╚ to enter "Self-Test Mode".

⌐¦ ⌐⌐⌐⌐ INTERNAL VALUE MODE (must hook up full-bridge Load Cell to test)

① Press ⟷ to enter, and the display shows internal value

② Please check the internal value is within normal range（0~400000 no load）。

③ Check whether the backlight is on

④ Press →0← key to back to the last screen, the display shows ⌐¦ ⌐⌐⌐

⌐⌐ ⌐⌐⌐ KEYPAD TEST MODE

① Press ⟷ to enter, display shows ⌐⌐⌐ ⌐¦

② Keypad's internal code: ⟷ key = 01、 UNIT key =31、 ⊙ key=20、 F key=30

③ Press →0← key to back to the last screen, the display shows ⌐⌐ ⌐⌐⌐

⌐⌐ ⌐⌐⌐ FIRMWARE VERSION DISPLAY MODE

① Press ⟷ to enter, display shows the firmware version ⌐⌐⌐⌐⌐

② Press ⟷ key again, the display shows maintenance number ⌐ ⌐ ⌐ for 2 seconds

③ Press →0← key to back to the last screen, display shows ⌐⌐ ⌐⌐⌐

⌐⌐ ⌐⌐⌐ BACK TO THE LAST SCREEN

Press ⟷ key to exit self-test mode, the scale will re-power on automatically

2-3 General Function Operating

Power on the indicator and enter into the setting that you set before or weighing mode.
Then press F to shift functions

→0← 0.000 kg ▼1 ▼6	Weighing Mode

Press F key ↓

→0← PCS10 Pcs ▼1	Simple Counting Function

Press F key ↓

hi-Lo	Check Weighing Function

Press F key ↓

ACC1	Accumulation Function

Press F key ↓

hi	Hold Function

Press F key
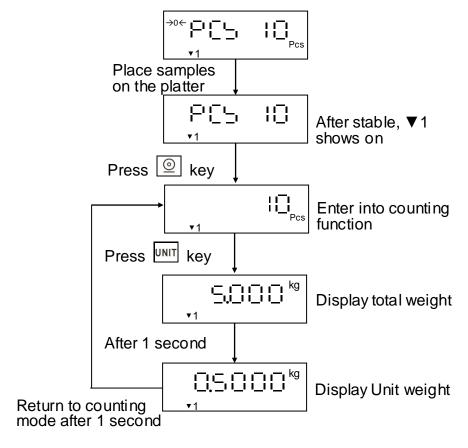
2-3-1 Simple Counting Function

1. In weighing mode, press $\boxed{F}$ key to enter into simple counting function.

2. Press $\boxed{\rightarrow 0 \leftarrow}$ key to select sample quantity (10, 20, 50, 100, 200)
   LCD shows as right picture:

Press $\boxed{\rightarrow 0 \leftarrow}$ key

Press $\boxed{\rightarrow 0 \leftarrow}$ key

Press $\boxed{\rightarrow 0 \leftarrow}$ key

3. Select sample quantity and then place samples on the platter. After stable, press $\boxed{\odot}$ key and display shows ------. After stable, the scale enters into counting mode and the display shows sample.

Place samples on the platter

After stable, ▼1 shows on

Press $\boxed{\odot}$ key

Press $\boxed{UNIT}$ key

Enter into counting function

Display total weight

After 1 second

Display Unit weight

Return to counting mode after 1 second

4. Press $\boxed{F}$ key to enter into next function.
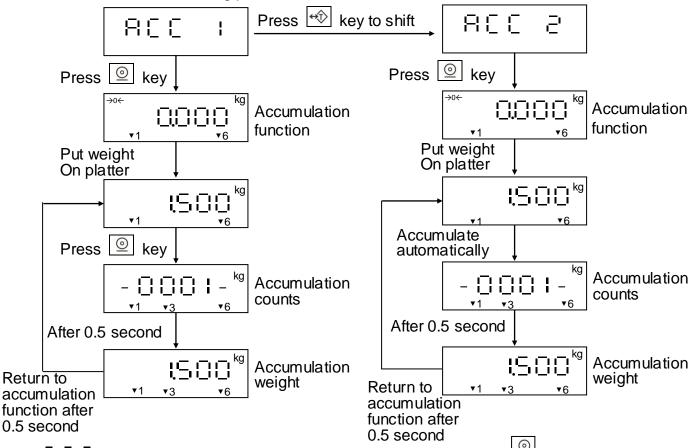
2-3-2 Check Weighing Function

1. In weighing mode, press $\boxed{F}$ key twice to enter into check weighing function.

2. Press $\boxed{\text{UNIT}}$ key to enter into beeper setting. LCD shows as right picture:

3. Press $\boxed{\leftrightarrow}$ key to select beep sound.

    $\boxed{\text{b 1}}$ ⇒No beep

    $\boxed{\text{b 2}}$ ⇒OK (when the weight is between Low limit & High limit.), the beeper beeps.

    $\boxed{\text{b 3}}$ ⇒When the weight is under or equal to Low limit & over or equal to High limit, the beeper beeps.

hi-Lo	
Press $\boxed{\text{UNIT}}$ key ↓	
b1	Beeper setting
Press $\boxed{\leftrightarrow}$ key ↓	
b2	
Press $\boxed{\leftrightarrow}$ key ↓	
b3	

Press $\boxed{\leftrightarrow}$ key

4. Press $\boxed{\text{UNIT}}$ key to enter into Hi limit value setting

5. $\boxed{\leftrightarrow}$ key⇒move cursor to right (When the cursor arrive to the last Digit, it returns to the first digit.)

    $\boxed{\rightarrow 0 \leftarrow}$ key⇒increase/decrease number

    $\boxed{\text{UNIT}}$ key⇒confirm and enter into Lo limit value setting

6. In Lo limit value setting

    $\boxed{\text{UNIT}}$ key⇒confirm and return to Beeper setting

b1	
Press $\boxed{\text{UNIT}}$ key ↓	
H03.000 kg	Hi limit value setting
Press $\boxed{\text{UNIT}}$ key ↓	
LO1.000	Lo limit value setting

Press $\boxed{\text{UNIT}}$ key to confirm and return to Beeper setting

7. In beeper setting, press $\boxed{\odot}$ key to enter into check weighing function. When the weight is more than 10d, check weighing function activates.

8. Press $\boxed{F}$ key to exit the setting and enter into next function. Repeat above steps to set this function again.

📑 Units can not be shift in check weighing function. Please enter into weighing mode to shift units

b1	
Press $\boxed{\odot}$ key ↓	
→0← 0.000 kg ▼1	Check weighing function
Put weight (>10d) ↓	Shift "Hi,OK,LO" LED light according Hi-Lo limit value setting
1.500 kg ▼1	• OK

2-3-3 Accumulation Function
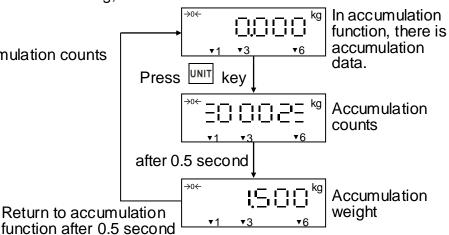
1. In weighing mode, press ⬚F key three times to enter into accumulation function. LCD shows as following picture:

```
 ACC  1      Press ⬚ key to shift      ACC  2
```

Press ⬚◎ key ↓   Press ⬚◎ key ↓

```
→0←        kg                           →0←        kg
   0.000                                   0.000
▾1        ▾6   Accumulation              ▾1        ▾6   Accumulation
               function                                 function
```

Put weight On platter ↓   Put weight On platter ↓

```
          kg                                       kg
   1.500                                   1.500
▾1        ▾6                              ▾1        ▾6
```

Press ⬚◎ key ↓   Accumulate automatically ↓

```
 -0001-   kg                             -0001-   kg
▾1   ▾3   ▾6   Accumulation              ▾1   ▾3   ▾6   Accumulation
               counts                                   counts
```

After 0.5 second ↓   After 0.5 second ↓

```
          kg                                       kg
   1.500                                   1.500
▾1   ▾3   ▾6   Accumulation              ▾1   ▾3   ▾6   Accumulation
               weight                                   weight
```

Return to accumulation function after 0.5 second   Return to accumulation function after 0.5 second

ACC 1 ⇒ Manual accumulation: After the weight is stable, press ⬚◎ key to accumulate and "M+" icon ▾ shows up. It does the second accumulation, after the weight returns to zero.

ACC 2 ⇒ Automatic accumulation: After the weight is stable, it accumulates automatically, and "M+" icon ▾ shows up. It does the second accumulation, after the weight returns to zero.

▤ If it set as rnP 3, rnP 4 or rnP 5 transmission mode, RS-232 outputs printing format while accumulating.

▤ The Minimum weight of accumulation: > 10d

▤ If the weight is unstable while accumulating, display shows -Add-.

2. Press ⬚UNIT key to see accumulation counts and accumulation weight.

```
→0←        kg   In accumulation
   0.000        function, there is
▾1   ▾3   ▾6    accumulation data.
```

Press ⬚UNIT key ↓

```
→0←        kg
 Ξ0002Ξ         Accumulation
▾1   ▾3   ▾6    counts
```

after 0.5 second ↓

```
→0←        kg
   1.500        Accumulation
▾1   ▾3   ▾6    weight
```

Return to accumulation function after 0.5 second

3. Clear accumulation data:

When there is no weight on the platter,

press ⌖ key to display accumulation counts.

Then press ⌖ key again to clear the data.

"M+" icon ▼ goes off.

📄 If it set as ⌐⌐ P 3 or ⌐⌐ P 4 transmission mode, RS-232 outputs MC printing format after data clear.

📄 Press →0← key for 2 seconds and the beeper beeps 3 times. The accumulation data is cleared and RS-232 does not output MC printing format. "M+" icon ▼ goes off.

4. Press F key to exit the setting and enter into next function. The original accumulation data still exist.

| →0← | 0.000 | kg | No weight on the platter |
| ▼1 ▼3 ▼6 | | | |

Press ⌖ key ↓

| →0← | ≡0 0025≡ | kg | Accumulation counts |
| ▼1 ▼3 ▼6 | | | |

Press ⌖ key ↓

| →0← | ≡0 0005≡ | kg | Clear accumulation data |
| ▼1 ▼6 | | | |

2-3-4 Hold Function

1. In weighing mode, press F key four times to enter into hold function.

2. Use ↔ key to select h 1, h 2 or h 3

Then press ⌖ key to enter into Hold function.

When the weight is fixed, the beeper beeps.

h 1 ⇒ The weight is unlocked only after taking off the weight and the weight returns to zero.

h 2 ⇒ The weight is unlocked, when increase or decrease the weight that is beyond the tolerance d.

h 3 ⇒ Calculate the average weight and fixed the display. To unlock it, press →0← key to re-read the weight.

| h 1 |
Press ↔ key ↓ ↑ Press ↔ key
| h 2 |
Press ↔ key ↓ ↑ Press ↔ key
| h 3 |

| h 1 | Press ↔ key → | h 2 | Press ↔ key → | h 3 |

Press ⌖ key ↓

| →0← | 0.000 | kg | Weighing mode |
| ▼1 ▼6 | | | |

Press ⌖ key ↓

| dO5 | d value: 2~50d defaults: 5d |

↔:Move to right

→0←:adjust number

| →0← | 0.000 | kg |
| ▼1 ▼6 | | |

⌖:save

Press ⌖ key to enter into weighing mode

Press ⌖ key ↓

| _ _ _ _ _ _ |

calculate average weight

Press →0← key

| →0← | 3.250 | kg |
| ▼1 | | |

3. Press F key to exit the setting and enter into next function.

📄 Repeat above steps to set this function again.

2-4 Further Function Operating

2-4-1 General Setting

For entering values:

→0←	⇒ Upward key (0~9 digit entry)
UNIT	⇒ Downward key (0~9 digit entry)
↔	⇒ Move cursor rightward
F	⇒ Move cursor leftward

Press ↔ key to save. Press ⊚ key to exit without saving and return to upper level or weighing mode.

→0← **0.000** kg
▼1

Press ↔ key for 1 sec.

bL
Backlight setting
→0← / UNIT
ΞEro
Zero display setting
→0← / UNIT
CGr
Local G value setting
→0← / UNIT
bL
Backlight setting

Press ↔ key

bL.Auto
Auto. Backlight

Press →0← key | Press →0← key

bL. on
Backlight on

Press →0← key

bL.oFF
Backlight off

After selection
Press ↔ key

bL

Press ↔ key

ΞEro 0

Use →0← or UNIT to enter parameter

ΞEro 1

Press ↔ key

ΞEro

Press ↔ key

Pn

Press →0← F ↔ keys in order

0.00000

Enter local G value

9.79888

Press ↔ key

rESEt
Restart automatically

Error
Fail

◻ Zero display setting: 0~9, when the weight is within +/- of the set values, it display as zero.
◻ Local G value conditions: The new Local G values must be within ±10% of the Local G value set in the factory.
◻ If the external weight calibration has been used, the Local G value is disable.
◻ To enable it, please switch the jumper SWA1 to ADJ position first. Then do Weight Calibration Setting **CAL 01** (See 3-2-1).

2-4-2 Check Voltage

In weighing mode and the weight returns to zero,

Press →0← key for 1 second to check voltage.

It returns to weighing mode after 3 second.

→0← **0.000** kg Weighing mode
▼1   ▼6

Press →0← key for 1 second

⌂ 4.04 Voltage

Returns to weighing mode after 3 second
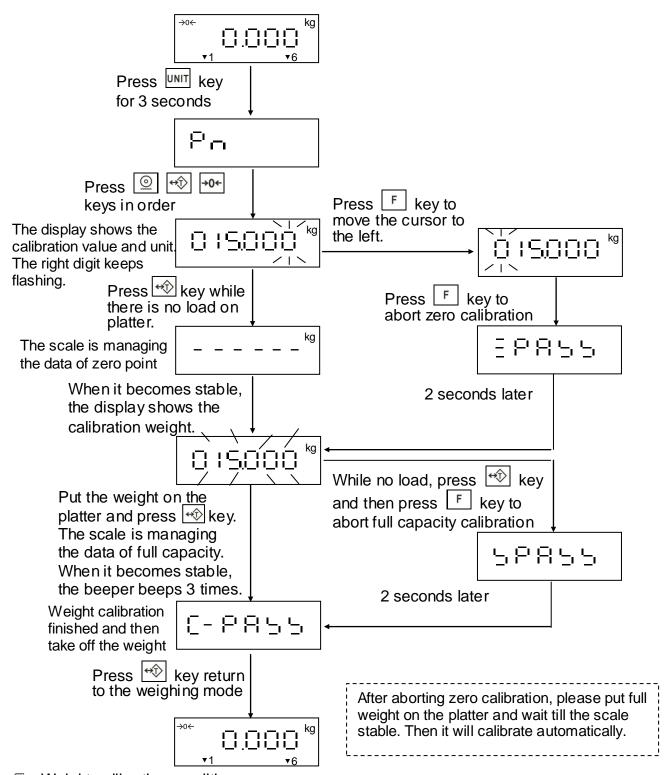
2-4-3 External Weight Calibration

In weighing mode and the weight returns to zero, Press [UNIT] key for 3 second to enter into password display. Press [◎] [↔⇧] [→0←] keys in order and enter into External Weight Calibration. Otherwise it will returns to weighing mode.

→0←   0.000   kg
 ▼1   ▼6

Press [UNIT] key
for 3 seconds

Pn

Press [◎] [↔⇧] [→0←]
keys in order

The display shows the calibration value and unit. The right digit keeps flashing.

015.000 kg

Press [F] key to move the cursor to the left.

015.000 kg

Press [↔⇧] key while there is no load on platter.

The scale is managing the data of zero point

– – – – – – kg

Press [F] key to abort zero calibration

E PASS

2 seconds later

When it becomes stable, the display shows the calibration weight.

015.000 kg

While no load, press [↔⇧] key and then press [F] key to abort full capacity calibration

Put the weight on the platter and press [↔⇧] key. The scale is managing the data of full capacity. When it becomes stable, the beeper beeps 3 times.

SPASS

2 seconds later

Weight calibration finished and then take off the weight

C-PASS

Press [↔⇧] key return to the weighing mode

→0←   0.000   kg
 ▼1   ▼6

After aborting zero calibration, please put full weight on the platter and wait till the scale stable. Then it will calibrate automatically.

🗐 Weight calibration conditions:
The calibration weight value placed on the platter must be over 100e, and the standard deviation of the weight must be within ±10%.

2-4-4 Transmission Setting

1. In weighing mode, press ⊚ key for 1 second to enter into transmission setting.

2. Press →0← key to select transmission
 rnP 0 ⇒ No transmission
 rnP 1 ⇒ Stable transmission
 rnP 2 ⇒ Continuous transmission
 rnP 3 ⇒ Press ⊚ key to transmit
   (Simple mode)
 rnP 4 ⇒ Press ⊚ key to transmit
   (Complete mode)
 rnP 5 ⇒ Stable transmission
   The format is as same
   as rnP 3

3. Press ⊚ key to set baud rate
   (1200, 2400, 4800, 9600 or
   19200.)

	→0←	0.000	kg	Weighing mode

Press ⊚ for 1 sec ↓   Press ⊚ key

r n P   0   →   b 1200

Press →0← key   Press →0← key

r n P   1   b 2400

Press →0← key   Press →0← key
   ⋮   ⋮
r n P   5   b 19200

Press →0← key   Press →0← key

4. Press ⊚ key to save the setting and
   return to weighing mode

b 1200   Baud rate setting

Press ⊚ key ↓

→0← 0.000 kg   Save the setting and
               return to weighing mode
▼1   ▼6

🗐 RS-232 Output Format
The output format of rnP 1 and rnP 2

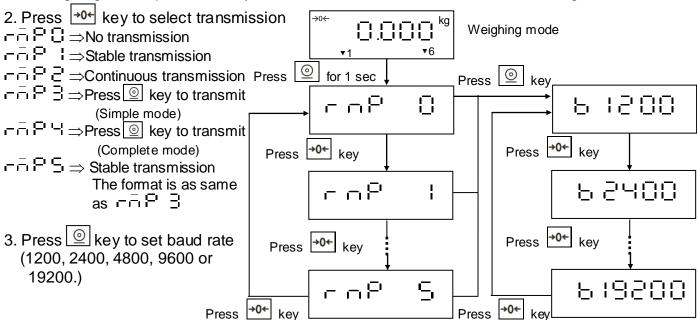|																			
GROSS	S	T	,	G	S	,	+	1	2	3	4	5	6	7	SP	SP	o	z	
Net	S	T	,	N	T	,	+	.	2	3	.	4	5	6	t	l	.	g	
Plus OL	O	L	,	G	S	,	+	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	CR	LF
Minus OL	O	L	,	G	S	,	-	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	SP	
Unstable	U	S	,	G	S	,	+	1	2	3	4	.	5	6	SP	SP	l	b	

rnP 1 ⇒ Stable transmission: when the weight is more than 10d and the weight is stable,
   it transmit above format. It transmits next data format only when take off the
   weight on the platter and put it on again.

rnP 2 ⇒ Continuous transmission: It always transmit above format.
   Output rate: 4counts / second

rⅈP 3 ⇒Press ⊚ key to transmit (simple mode)： use in accumulation mode.
Steps:　1. Press 　F 　key and select 月⊏⊏ ⊦. Press ⊚ key to enter into weighing mode.
　　　　　2. Select rⅈP 3 and necessary baud rate.
　　　　　3. Put the objects on the platter. After the weight stable, press ⊚ key to accumulate the data and print out the order and the net value of the data as following example.
　　　　　4. Repeat above step to accumulate and print continuously.
　　　　　5. Press ⊚ key twice to print TOTAL as following example and clear the data.

S/N	WT	

0001	2.500	☞ Press ⊚ key
0002	2.500	☞ Press ⊚ key
0003	2.500	☞ Press ⊚ key

0003	7.500	☞ Press ⊚ key twice to print TOTAL

rⅈP 4 ⇒Press ⊚ key to transmit (complete mode)： use in accumulation mode.
Steps:　1. Press 　F 　key and select 月⊏⊏ ⊦. Press ⊚ key to enter into weighing mode.
　　　　　2. Select rⅈP 4 and necessary baud rate.
　　　　　3. Put the objects on the platter. After the weight stable, press ⊚ key to accumulate the data and print out the data as following example.

TICKET NO.　0001
GS　　　　2.500kg
TR　　　　0.000kg
NT　　　　2.500kg　　　　　☞　Press ⊚ key

　　　　　4. Repeat above step to accumulate and record.
　　　　　5. Press ⊚ key twice to print TOTAL as following example and clear the data.

TOTAL NUMBER
OF TICKETS　0003
TOTAL WEIGHT
　　　2.500kg　　　　☞　Press ⊚ key twice to print TOTAL

rⅈP 5 ⇒Stable transmission (the format is as same as rⅈP 3) in accumulation mode.
Steps:　1. Press 　F 　key and select 月⊏⊏ 2. Press ⊚ key to enter into weighing mode.
　　　　　2. Select rⅈP 5 and necessary baud rate.
　　　　　3. Put the objects on the platter. After the weight stable, it automatically accumulates the data and print out the order and the net value of the data as following example.
　　　　　4. Repeat above step to record and print continuously.
　　　　　5. Press ⊚ key twice to print TOTAL as following example and clear the data.

Appendix 1 7-Segment Display Characters

Number	Display	Letter	Display	Letter	Display
0		A		N	
1		B		O	
2		C		P	
3		D		Q	
4		E		R	
5		F		S	
6		G		T	
7		H		U	
8		I		V	
9		J		W	
		K		X	
		L		Y	
		M		Z	

Appendix 2 Installation

1. Please connect the Load Cell and Indicator as following
   5PIN Connector
      PIN 1   E+
      PIN 2   E-
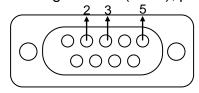   PIN 3   S+
      PIN 4   S-
      PIN 5   GND

2. Connecting way of a 9 pin RS-232 connector as following.
      PIN 2：Data inputting (TXD), position 2 in following picture
      PIN 3：Data outputting (TXD), position 3 in following picture
      PIN 5：Internal grounded (GND), position 5 in following picture

Relay Output

1. Principle of operation
Use check weighing function to set the ranges of High, OK, LOW.
If the weight is between the ranges of LOW, the data will output in LOW port;
If the weight is between the ranges of OK, the data will output in OK port;
If the weight is between the ranges of High, the data will output in High port;

📄 Please refer to check weighing function to set the ranges of High, OK, LOW.

2. Connecting ways and function

Terminal Block	Connector's PIN	Function
A1	PIN 1	High Output
B1	PIN 2	OK Output
C1	PIN 3	Low Output
COM	PIN 4	COMMON