JSD
COUNTING SCALE

Ver.19.1- July 2019

USER MANUAL **ENGLISH**

Please read this manual carefully before operating the scale you have just received

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SAFETY INFORMATION

The safety instructions are mentioned in this manual

The instructions must be observed during all phases:

- Installation

- Operation

- Maintenance

- Repair

Any use of the scale other than that specified in this manual, or failure to observe the safety instructions, will release the manufacturer from all liability and void the warranty.

Before putting the scale into operation, check that

- It is not damaged

- The voltage of your electrical supply is the same as that of the scale's external charger. 220-240 V/50 Hz

- The plug fits the socket

Make sure that the scale is placed on a flat surface when it is in weighing mode.

NEVER charge the scale beyond its maximum capacity, which is indicated on the indicator plate.

If the external charger is damaged, it must be replaced by the manufacturer, its service department or a similarly qualified person to avoid any danger.

SAFETY INFORMATION

Use this scale only for weighing materials.

Use the scale in rooms with moderate temperature and humidity and no condensation.

Use the scale in a vibration-free environment.

Never attempt to disassemble or repair the scale yourself. If the scale is repaired by an unqualified person, the warranty will be void.

Never clean or repair the scale while it is on.

Never use the scale in an explosive atmosphere or in the presence of flammable materials.

Never use the scale in a humid environment or in direct contact with water. Do not expose the scale to the weather (sun, rain, etc.).

Do not use any chemical product or detergent for cleaning, which could easily damage or deform your scale.

Turn off the scale before mounting or removing accessories or approaching moving parts during operation.

Do not make any changes to the scale without the authorization of the manufacturer.

Do not use the scale if it no longer meets safety requirements.
Turn off the scale as soon as you stop using it.

Use the scale as described in this manual.

Do not wash down the scale with water jets.

Do not pour any liquids on the indicator.

To reduce the risk of malfunction, do not attempt to disassemble the scale. The scale does not contain any user-serviceable parts.
Repairs should be made only by your service representative or an authorized qualified technician.
Anything not expressly described in this manual shall be considered improper use of the equipment.

The manufacturer reserves the right to change the specifications of the scale in order to make technical improvements or to comply with new regulations.

SAFETY INFORMATION

The "crossed out garbage can" symbol is placed on all products to remind them of their separate collection obligations at the end of their life. Consumers should contact their local authorities or dealer regarding the disposal of their equipment.

The European Directive 2002/96/EC on Waste Electrical and Electronic Equipment (WEEE), requires that used household appliances are not disposed of in the normal municipal waste stream. Used appliances must be collected separately in order to optimize the recovery and recycling of their component materials and to reduce the impact on human health and the environment.

The improper disposal of the product by the user implies the application of the administrative sanctions provided for by law.

Separate the packaging for recycling:

Cardboard, paper and polystyrene can be recycled.
Plastic bags should be disposed of in the household waste.

CREATIVE BALANCE
3, Grande rue
77940 ESMANS
FRANCE

EU Declaration of Conformity

Product : **SCALE**
Model : **JSD**

We hereby declare under our sole responsibility that the product covered by this declaration complies with the requirements of the directives mentioned below.

- **ELECTROMAGNETIC COMPATIBILITY DIRECTIVE - 2014/30/UE**

EN 61000-6-1 :2007
EN 61000-6-3 :2007 + A1:2001 + AC:2012
EN 61000-3-2 :2014
EN61000-3-3 :2013

- **LOW VOLTAGE DIRECTIVE - 2014/35/UE**

IEC 61010-1

- **DEEE WASTE DIRECTIVE 2012/19/UE**

NF EN 50419

Date 10.04.2018
Delivery : 77940 ESMANS - FRANCE

Frédéric TIMBERT
CREATIVE BALANCE

GUARANTEE

The warranty is for one year from the date of delivery of the scale, and covers free labor and any spare parts, only in the case of failures that are not attributable to the Customer (thus excluding the case of improper use) or to transport.

If, for any reason, the intervention is requested (or necessary) at the place of use, the travel expenses of the technician and possibly his nights and meals will be charged to the Customer.

If the instrument is shipped, the transport costs (round trip) will be charged to the Customer. The WARRANTY SHALL FAIL in the event of breakdowns due to interventions by unauthorized personnel or to defective connections to the power supply network.

No compensation will be due in case of damage, direct or indirect, suffered by the Customer due to the lack of functioning or partial functioning of the instrument or installation in his possession, even during the period covered by the warranty.

TRACABILITY

Each equipment is identified by a serial number stuck on the side of the scale.

TECHNICAL SPECIFICATIONS

- Capacity : 3,6,15,30 kg
- Précision : 0.1g - 0.2g – 0.5g - 1g
- Plate : 280 x 220 mm
- Display LED of 18 mm
- Casing ABS
- IP : 54
- Power supply : Battery 9V 700 mA
- External charger: 220 VAC
- Operating temperature : 0°C à +40°C
- Auto OFF

Weighing system functions :

- Gross/Tare/Net

Operations

(I) Switch on & off

Push the ON/OFF switch to **" I "** position to turn on the scale & to **" O "** position to turn off the scale.

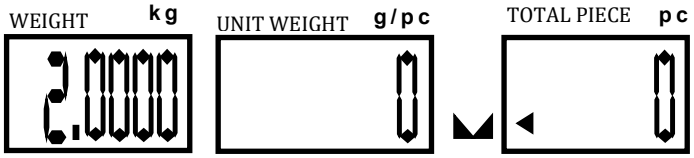
(II) Zero the scale

Press →0← or **ZERO** key to return the display to zero in case there is any zero drifting while unloaded.

(III) Sampling before counting

Unknown unit weight

1.Place a few pieces of item to be counted on the pan.

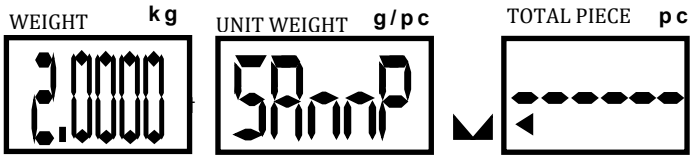


Sample Weight

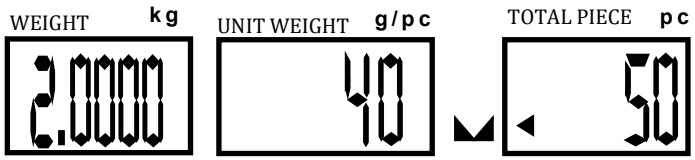
2.Input the quantity of item on the pan.

Sample Weight Input sample size

3.Press or **SMPL** key



4.The sampling operation is completed while stable display appears as below :



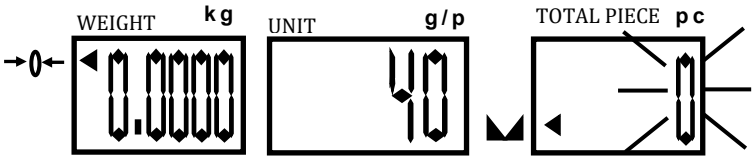
Sample Weigh Unit Weight Sample size

★ The larger sample size, the more accurate unit weight

★ Press or **SMPL** key to recomputing unit weight during counting process.

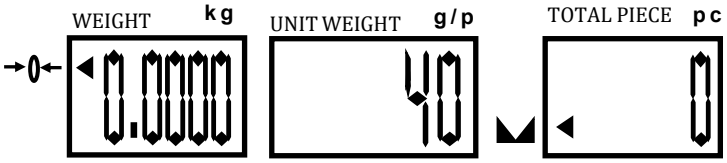
Known unit weight

1. Input the known unit weight.



Known unit weight

2. Press or **U.Wt** key to complete sampling operation & enter into counting mode.

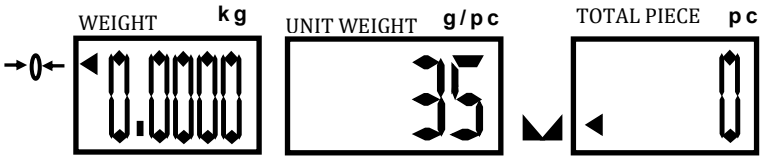


(IV) Preset unit weight in numeric keys

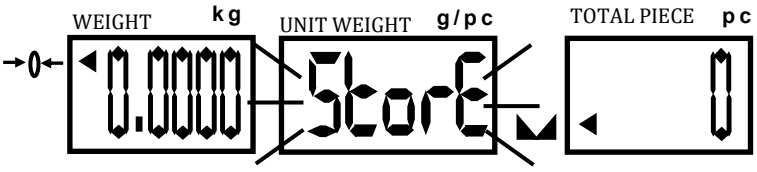
How to store unit weight in memory cells

1. To obtain unit weight by inputting the known value

(ex.35g) or by sampling operation mentioned before.



2. Keep pressing or **U.Wt** key for approx.2 seconds



3. Press any of the numeric keys **0** **9** to store the unit weight in this selected numeric key.

How to recall the unit weight stored

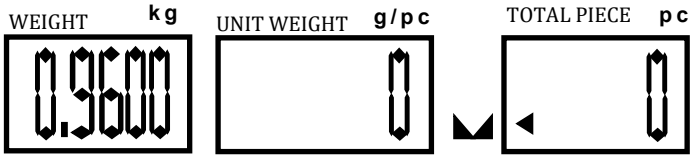
Press the numeric key with stored unit weight inside & keep pressing **g** or **U.Wt** key twice.

The stored unit weight will appear in the unit weight display.

(V) Subtract container's weight

Container's weight unknown

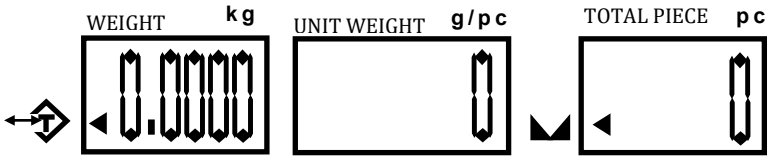
1. Place a container on the pan.



Container's weight

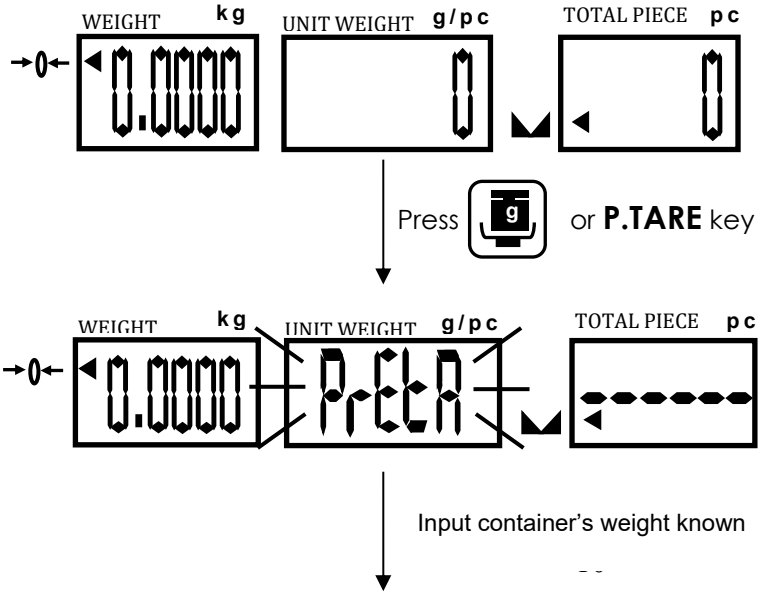
2. Press **T** or **TARE** key

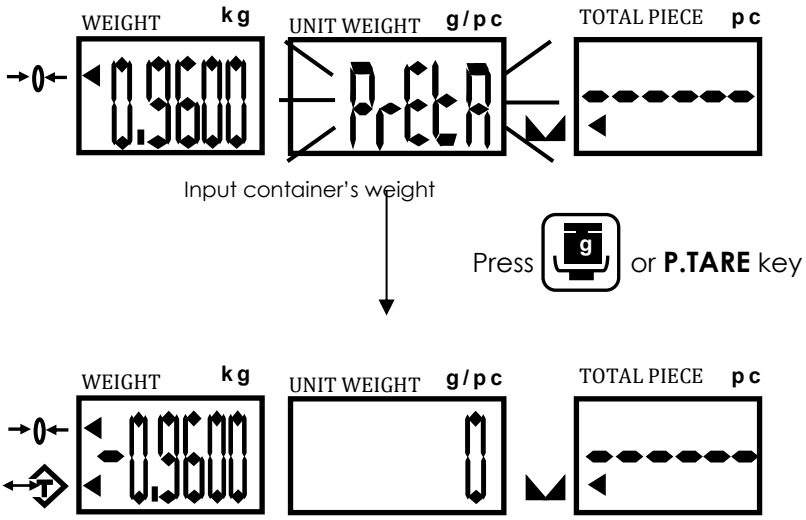
3. The scale will enter into counting mode while stable display appears as below.



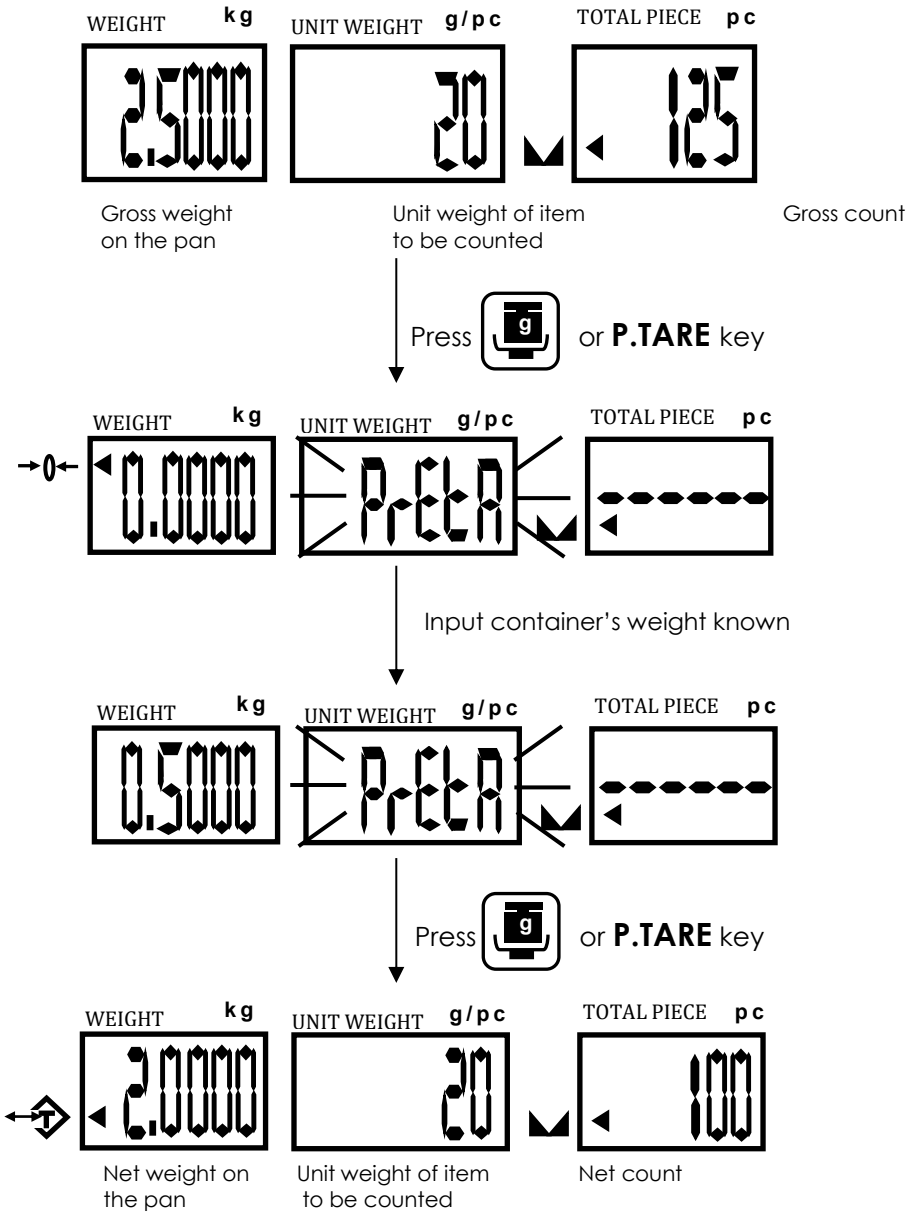
Container's weight known

1. Nothing on the pan





2. Scale is loaded

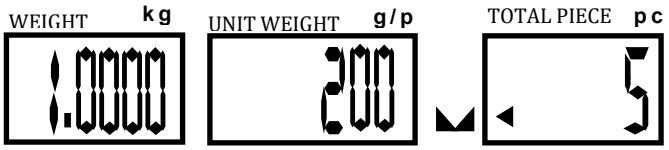


Eliminate TARE

Remove all on the pan & the weight display will show a negative (-) container's weight. Pressing or **TARE** key at this moment will bring the weight display to zero and TARE triangular annunciator (◀) will disappear.

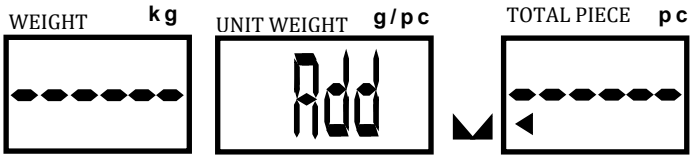
(VI) Weight/Quantity accumulation

1. Place item to be weighed/counted on the pan.

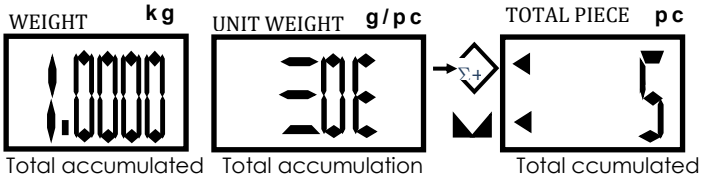


Weight on the pan

2. Press or **ADD** key



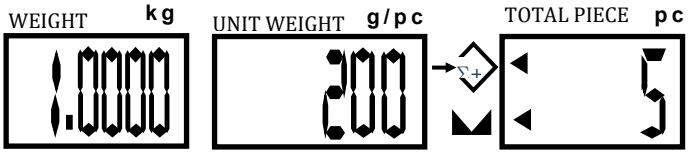
3. Display readings to be stable as below.



Total accumulated Weight | Total accumulation times | Total ccumulated count

★ **Accumulation effective only when stays at zero.**

4.Press or **TOTAL** key or wait approx. 2 seconds, the scale will return to counting mode.



Weight on the pan | Unit weight | Count

5.Press or **TOTAL** key to enter into accumulation status mode. At this moment, total accumulated weight is shown In WEIGHT window, total accumulation times is shown in UNIT WEIGHT window and TOTAL PIECES window displays accumulated count.

Press or **TOTAL** key again to revert to counting mode.

Clear accumulation

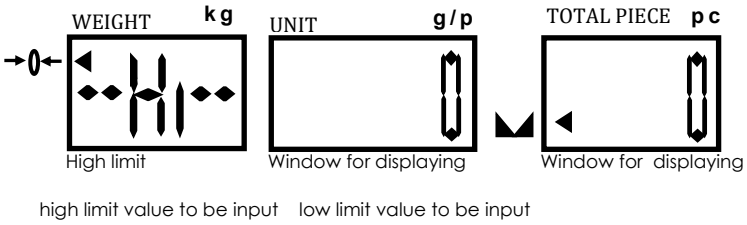
Press or **TOTAL** key to enter into accumulation status mode and press C or **CLEAR** key to clear all accumulated data.

(VII) Preset counting check range

Users can set a Hi – Lo range for counting check, when the number of objects on the pan is within the preset counting check range, the alarm will sound beeps repeatedly.

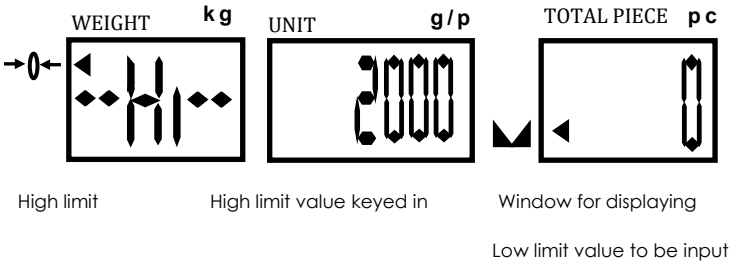
Procedures

1. Press or **ALARM** key while the scale is either loaded or unloaded.



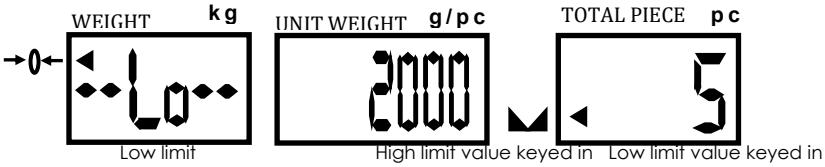
2. Key in the desired high limit value.

(use C or **CLEAR** key to erase the value keyed in)

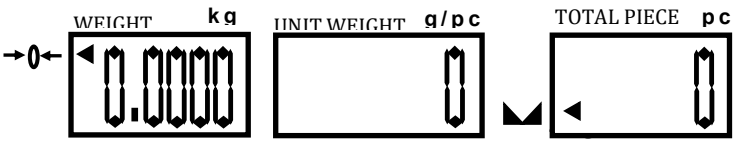


3. Press or **ALARM** key again and key in the desired low limit value as indicated below.

(Low limit value effective only after high limit is preset)



4. Press or **SMPL** key to complete counting check range preset procedures and return to normal counting mode.

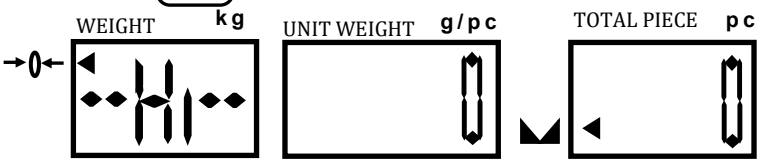


(VIII) Preset weight check range

Users can set a Hi – Lo range for weight check when the weight of objects on the pan is within the preset weight check range, the alarm will sound beeps repeatedly.

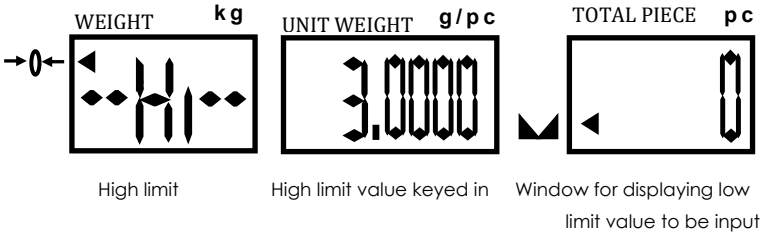
Procedures

1. Press or **ALARM** key while the scale is either loaded or unloaded.



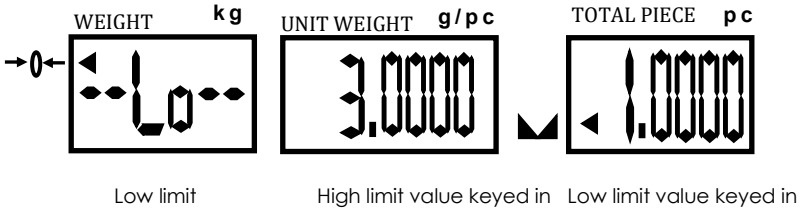
2. Key in the desired high limit value.

(Use C or **CLEAR** key to erase the value keyed in)

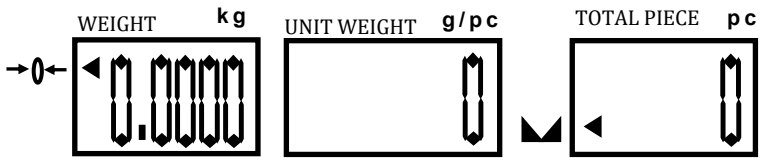


3. Press or **ALARM** key again and key in the desired low limit value as indicated below.

(★ low limit value effective only after high limit is preset)



4. Press or **U.Wt** key to complete weight check range preset procedures and return to normal counting mode.



Clear high / low value preset

Follow the above preset procedures and key in " 0 " or press C or **CLEAR** key directly for high and low limit value.

V. User Programming Functions

(I) Auto. shut off time span

Turn on the scale & pres s **5** ey 4 times one after another during counting down (self-check)to zero to enter into USER PROGRAMMING FUNCTION MODE.

The displays will indicate as below eventually.

Auto. shut off time span previously set | Auto shut off | Internal count

Press **TARE** key to revolve the system-preset time span (2 min., 5 min., 8 min., and o)

Press **C** or **CLEAR** key to determine and return to normal counting mode or press or **TOTAL** key for determination and move to next.

(II) Zero Tracking Range

Keep pressing or **TOTAL** key in USER PROGRAMMING FUNCTION MODE and release until the following displays appear.

Zero tracking range (0 ~ 4) | Zero tracking | Internal count

2. Press **TARE** key to revolve the system-preset zero tracking range (0, 1, 2, 3, 4). The larger number selected, the wider range.
3. Press **C** or **CLEAR** key to determine and return to normal counting mode or press or **TOTAL** key for determination and move to next.

(III) Zero display range

1. Keep pressing or **TOTAL** key in USER PROGRAMMIN FUNCTION MODE and release until the following displays appear.

Zero display range (0 ~ 4) | Zero display | Internal count

2. Press **TARE** key to revolve the system-preset zero display range (0, 1, 2, 3, 4). The larger number selected, the wider range.

3. Press C or **CLEAR** key to determine and return to normal counting mode or press or **TOTAL** key for determination and move to next.

(IV) Stable class range

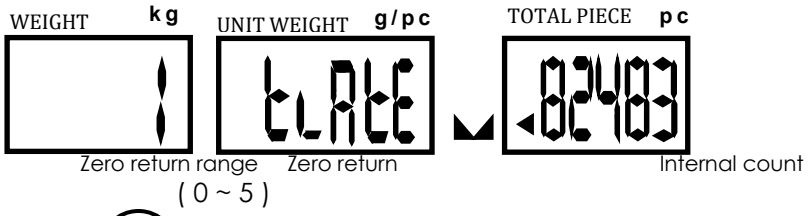
1. Keep pressing or **TOTAL** key in USER PROGRAMMING FUNCTION MODE and release until the following displays appear.

2. Press or **TARE** key to revolve the system-preset stable class range (0, 1, 2, 3, 4, 5). The smaller number selected, the shorter time for display stability.

3. Press C or **CLEAR** key to determine and return to normal counting mode or press or **TOTAL** key for determination and move to next.

(V) Zero return range

1. Keep pressing or **TOTAL** key in USER PROGRAMMING FUNCTION MODE and release until the following displays appear.



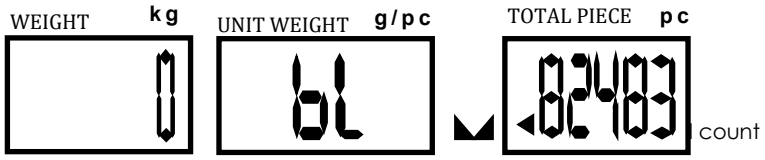
2. Press or **TARE** key to revolve the system-preset zero return range (0, 1, 2, 3, 4, 5). The larger number selected, the more stable zero point.

3. Press C or **CLEAR** key to determine and return to normal counting mode or press or **TOTAL** key for determination and move to next.

(VI) Backlight type

1. Keep pressing or **TOTAL** key in USER

PROGRAMMING FUNCTION MODE and release until the following displays appear.



2. Press or **TARE** key to revolve the system-preset

backlight type(0 – auto. backlight, 1 – manual backlight)

3. Press or **CLEAR** key to determine and return to

normal counting mode or press or **TOTAL** key for determination and move to next.

- Auto. backlight

  Backlight will be going on automatically whenever the scale is loaded by objects weigh greater than **9 display resolution** or any of keys is pressed. And it will be going off also automatically approx. 5 seconds after the scale returns to zero.

- Manual backlight

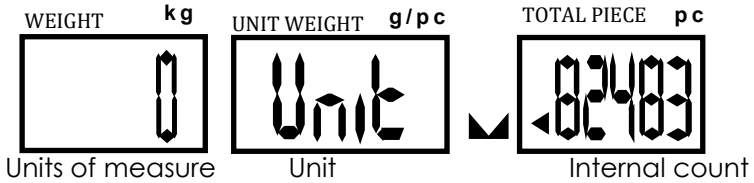
  Press (decimal point) key to switch on and off backlight.

★ Scale will keep the backlight type selected in memory for next use.

(VII) Change unit of measure from kg/g to Pound

1. Keep pressing or **TOTAL** key in USER

PROGRAMMING FUNCTION MODE and release until the following displays appear.



2. Press or **TARE** key to revolve the system-preset

units of Measure. (o – kg or g , 1 – lb)

3. Press or **CLEAR** key to determine and return to

normal counting mode or press or **TOTAL** key for determination and move to next.

(VIII) Unit weight recomputing

1. Keep pressing or **TOTAL** key in USER

   PROGRAMMING FUNCTION MODE and release until the following displays appear.

Recomputing mode Averaging Internal count

2. Press or **TARE** key to revolve the system-preset

   Recomputig modes.

   0 – disable recomputing function

   1 – enable recomputing function

3. Press C or **CLEAR** key to determine and return to

   normal counting mode or press or **TOTAL** key for determination and move to next.

★ The unit weight will be averaged again if you add the remaining quantity, gradually, by several lots. This will help eliminate errors caused by the **possible weight variation among each object** and lead to more accurate results.
When adding objects to the pan, be sure that the quantity is LESS THAN those already on the pan. The alarm will sound a beep when the unit weight is averaged again.

★ Recomputing function effective only after sampling operation is done.

(IX) Check alarm type

1. Keep pressing or **TOTAL** key in USER

   PROGRAMMING FUNCTION MODE and release until the following displays appear.

check alarm type check alarm internal count

2. Press or **TARE** key to revolve the system-preset

   check alarm types.

   0 – Inside type , 1 – Outside type

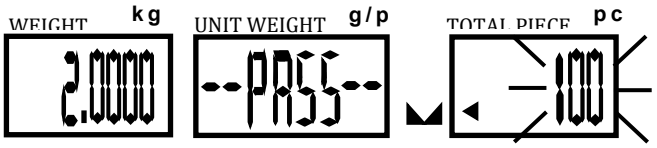
3. Press C or **CLEAR** key to determine and return to

normal counting mode or press or **TOTAL** key for determination and move to next.

★ Inside type

The alarm sounds beeps only when either total weight or total count falls inside the set range.

Ex. 1 Counting check alarms

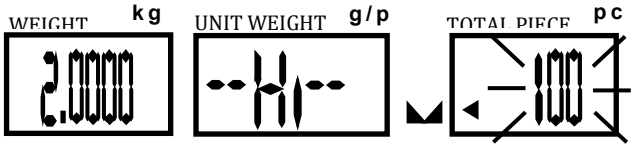


EX. 2 Weight check alarms

★ Outside type

The alarm sounds beeps only when either total weight or total count falls outside the set range.

Ex. 1 Counting check alarms



Over high limit

Ex. 2 Weight check alarms

Below low limit

★ **Turn off the scale after all USER PROGRAMMING FUNCTIONS are set and restart for use.**

VI. Calibration (can only be done in kg)

Turn on the scale and be sure it is zeroed.

Keep pressing or **ZERO** key until the following displays appear.(Take 6kg scale for instance)

Required weight (6 kg) for calibration

3. Put a weight same as what exactly shown in the UNIT WEIGHT window on the pan.

   The displayed reading in the UNIT WEIGHT window starts blinking. The scale will stop blinking and return to normal counting mode.

   Calibration is now completed.

★ Required weight for calibration can be changed by using numeric keys while in step 2 above.

★ Press →0← or **ZERO** key to escape from calibration mode at any time.

VII. Power supply & battery operation

POWER SUPPLY

- AC 220V
- DC 12V/800 mA

BATTERY OPERATION

The scale can be operated from the battery if desired. The battery life is approximately 80 hours. When the battery needs charging a symbol " + - " on the weight display will turn on. The battery should be charged when the symbol is on. The scale will still operate for about 10 hours after which it will automatically switch off to protect the battery.

To charge the battery, simply attach the power supply module to the scale and plug in. The scale does not need to be turned on.

The battery should be charged for 12 hours for full capacity.

There is an LED to indicate the status of battery charging on the right of display. When the scale is plugged into the mains power the internal battery will be charged. If the LED is **Green** the battery has been charged. If it is **Red** the battery is nearly discharged and **Yellow** indicates the battery is increasing the charge level.

As the battery is used it may fail to hold a full charge. If the battery life becomes unacceptable then contact your distributor.

Note: The battery should be recharged every 3 months if the scale is not used for long time

Ⅸ.ERROR CODES

During the initial power-on testing it is possible the scale may show error message.
The meaning of the error messages is described below.

ERROR CODE	POSSIBLE CAUSES	HANDLING
E1,E2,E3	1.The scale pan is placed incorrectly.	Place the scale pan correctly.
	2.Turn on scale with something on the scale pan.	Take away the goods,and switch on again.
OL	1.If the "+ -" symbol apperars,the battery has provided low-voltage.	Recharge the battery.
	2. Overload	Take off the weight immediately.

If the error message still is shown after above ways,please recalibrate.If the problem still can not be solved then contact your dealer for further support