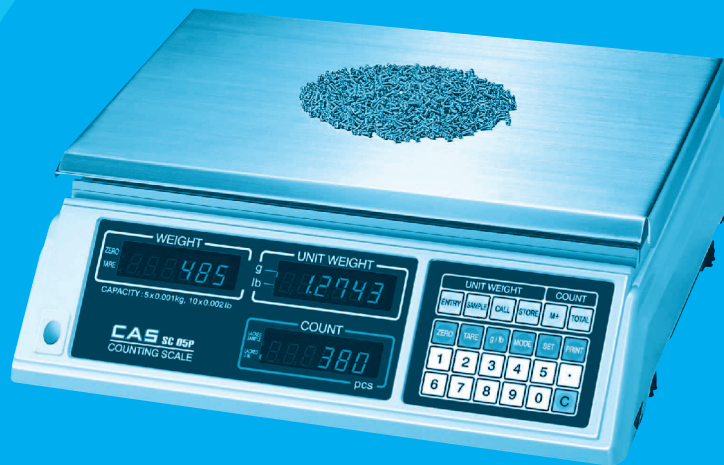


**Precision Counting Scale**

# ***SC Series***

**OWNER'S MANUAL**



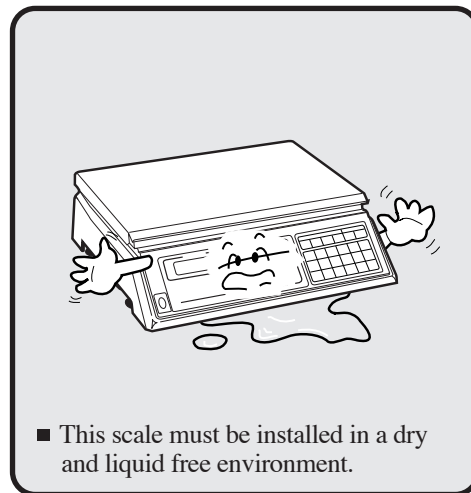
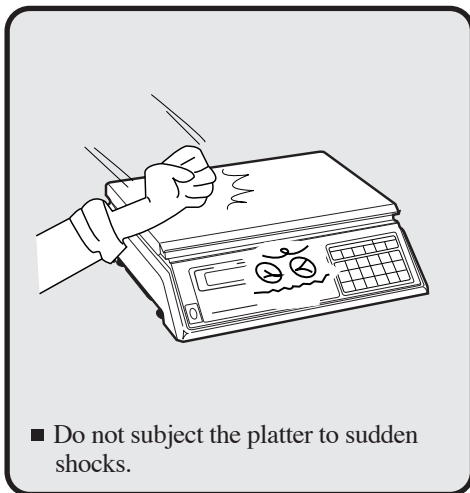
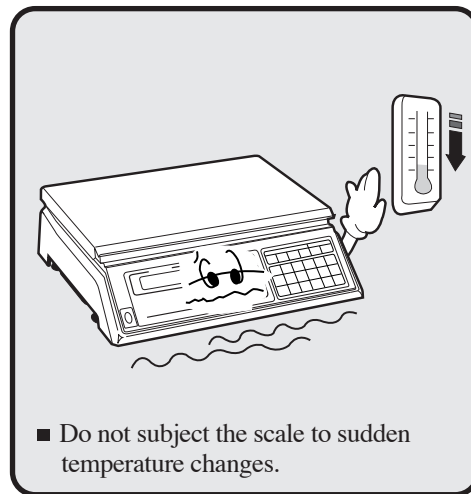
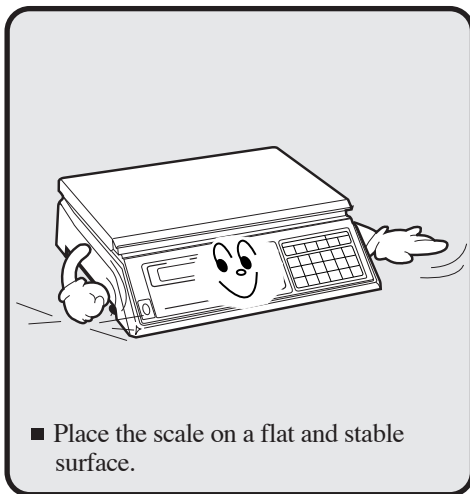


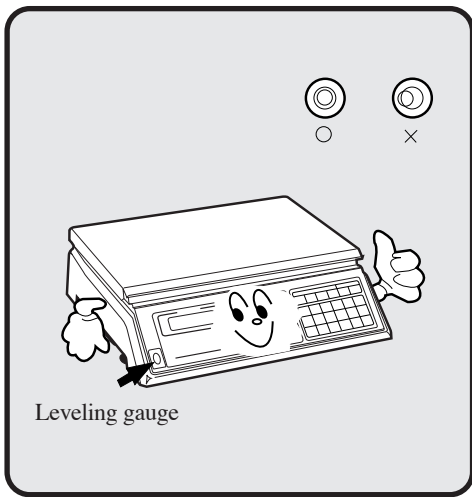
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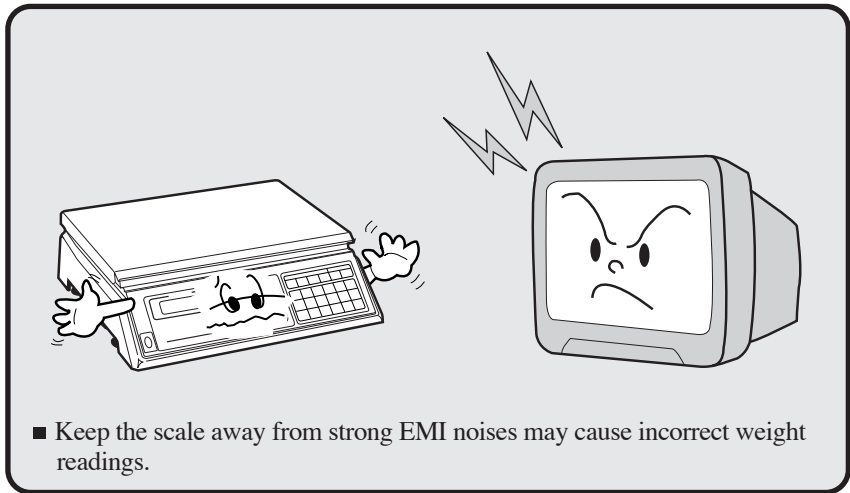
## PRECAUTIONS

**Make sure that you plug your scale into the proper power outlet.  
Plug into a power outlet 10 minutes before operations.**





- If the scale is not properly level, please adjust the 4 legs at the bottom of the scale (turn legs clockwise or counterclockwise) so as to center the bubble of the leveling gauge inside the indicated circle.

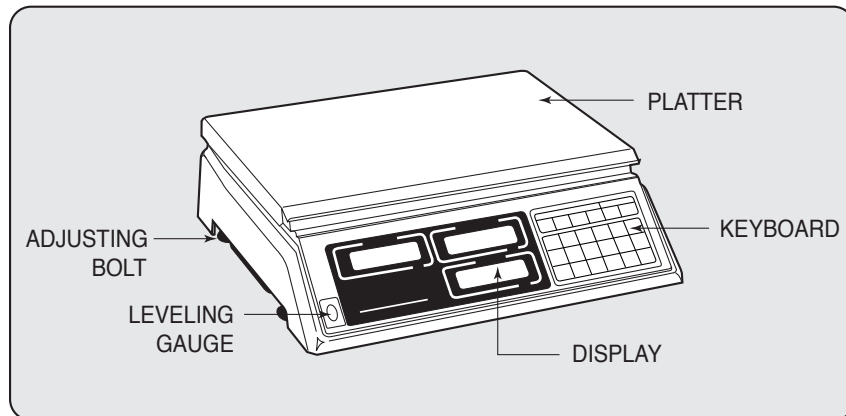


## PREFACE

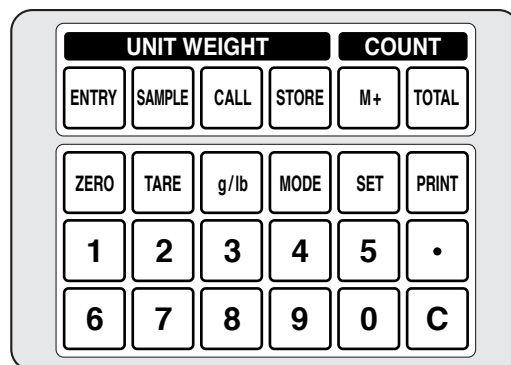
Thank you for purchasing our CAS SC Series. These series have been designed with CAS reliability, under rigid quality control and with outstanding performance. Your specialty departments can enjoy these high quality reliable CAS products. We believe that your needs will be satisfied and you will have proper reliability. This manual will help you with proper operation and care of the SC Series. Please keep it handy for future reference.

## NAMES AND FUNCTIONS







### OVERALL VIEW



### KEYBOARD





KEYS	FUNCTIONS
	Used to enter the unit weight of a sample.
	Used to enter quantity of samples.
	Used to call the unit weight from memory.
	Used to save each data in the unit weight mode. (This key does not work in weighing mode)
	Used to add-up samples.
	Used to call total number of samples.

#### ■ LAMP DESCRIPTIONS

The ◀ symbol represents the lamps on the displays.

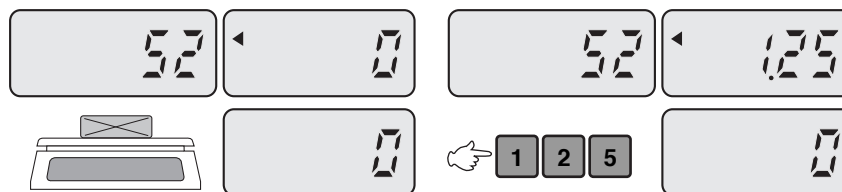
- ZERO Lamp: If the ZERO lamp is on, it means that weight is zero.
- TARE Lamp: If the TARE lamp is on, it means that tare is entered.
- Lack of Sample: This lamp blink when samples are lacked.
- Lack of U/W: This lamp blink when the unit weight is smaller than set value.

## OPERATIONS

### 1. When You Know the Unit Weight of a Sample

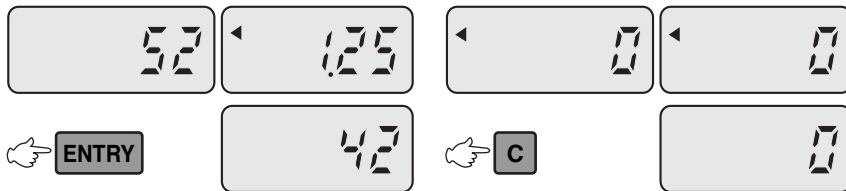
When you know the unit weight of a sample, you can count samples.

For example) unit weight - 1.25g



① Place the samples on the platter.

② Enter the unit weight.



③ Press the ENTRY key, then you will see the quantity of samples.

④ Remove the samples and press the C key.

► NOTE: You have to enter the unit weight more than recommendation below. (Refer to TABLE 1.)

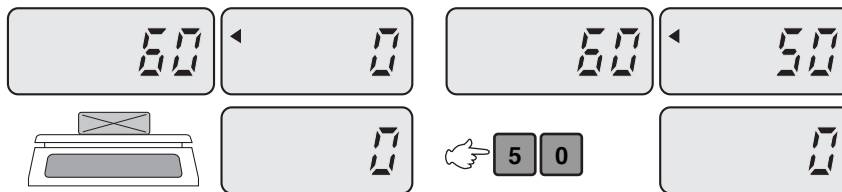
TABLE 1.

MODEL	SC-0.5P	SC-10P	SC-25P
LACK OF UNIT WEIGHT (g)	Below 0.5g	Below 1g	Below 2.5g
LACK OF UNIT WEIGHT (lb)	Below 0.001lb	Below 0.0025lb	Below 0.005lb

## 2. When You Know the Quantity of the Samples

When you know the quantity of the samples, you will know the unit weight of a sample.

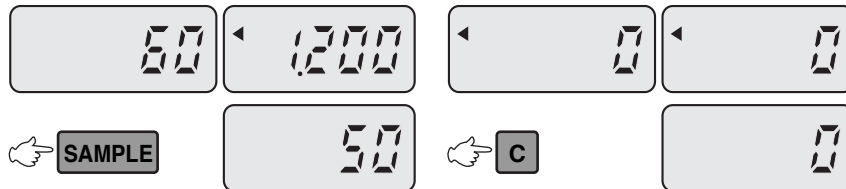
Make sure that ZERO lamp is on.



① Place the samples on the platter.

② Enter the quantity of samples (for example, 50 samples)





③ Press the **SAMPLE** key, then you will see the unit weight of a sample on the unit weight display.

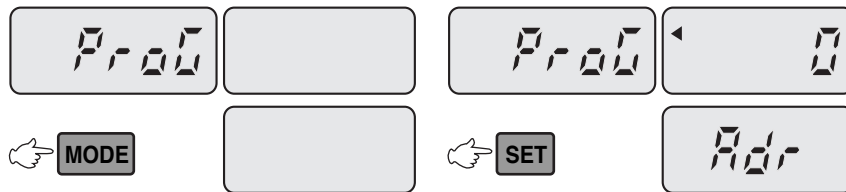
④ Remove the samples and press the **C** key.

► **NOTE:** You have to place more samples than “Lack of sample” weight to know the exact unit weight of a sample (Refer to TABLE 2.)

TABLE 2.

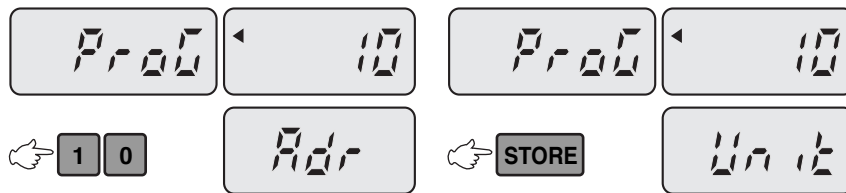
WARNING	SC-0.5P	SC-10P	SC-25P
LACK OF SAMPLE (g)	25g	50g	125g
LACK OF SAMPLE (lb)	0.05lb	0.125lb	0.25lb

### 3. Storing Unit Weight to Memory



① Press the **MODE** key twice.

② Press the **SET** key.



③ Enter address of a unit weight to store.  
(Address : 10)

④ Press the **STORE** key.



⑤ Enter a unit weight. (1.2345g)



⑥ Press the STORE key.



⑦ Enter tare weight. (20g)  
(If you don't use tare, go to step 8.)



⑧ Press the STORE key.



⑨ Enter "0" or "1".  
"0" indicates g and "1" indicates lb.



⑩ Press the STORE key. To finish storing unit weight, press the MODE key then the display shows "End" and go to normal mode.  
(To continue storing another unit weight, press the SET key. Then you will go to step 2.)

#### 4. Counting by Stored Unit Weight

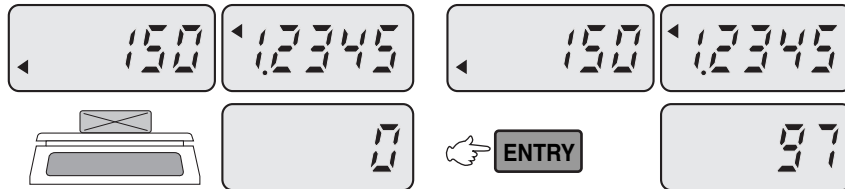


① Enter the address to call up a unit weight.  
(Address : 10)



② Press the CALL key.

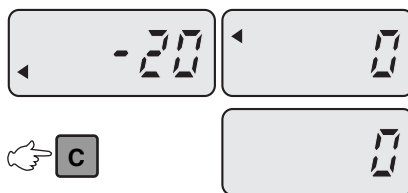




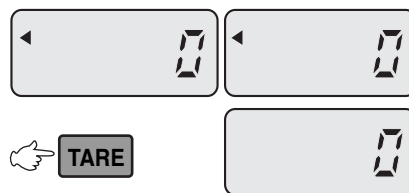
③ Place the samples on the platter.



④ Press the ENTRY key, then you will see the quantity of the sample.



⑤ Remove the samples and press the C key to clear unit weight.

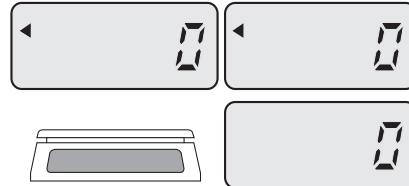


⑥ Press the TARE key to clear tare weight.

## 5. Add-Up Samples



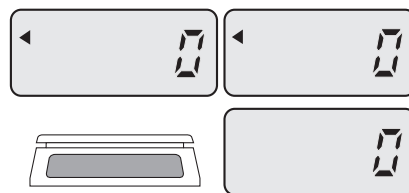
① To add-up samples, press the M+ key when the count display shows the quantity.



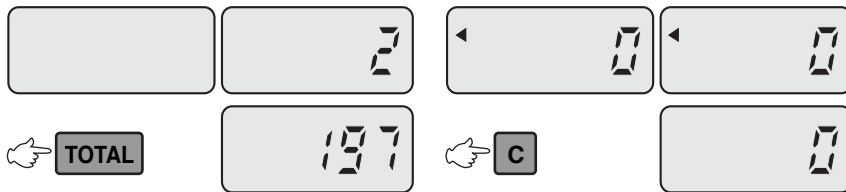
② Remove the samples from the platter.



③ Place the same samples on the platter and press the M+ key.



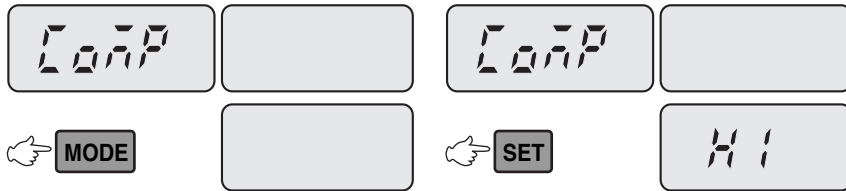
④ Remove the samples from the platter.



⑤ Press the TOTAL key to check the total quantity of samples.

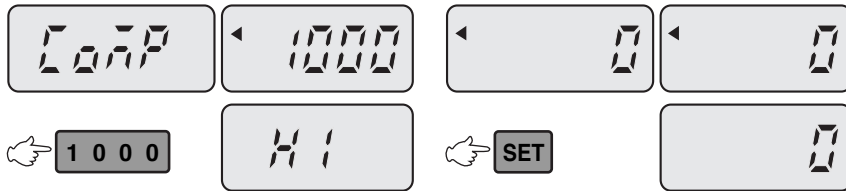
⑥ Press the C key to clear this data. (If you don't want to clear this data, press the TOTAL key.)

## 6. How to Set the Limit of Samples



① Press the MODE key twice.

② Press the SET key.



③ Enter the upper limit quantity. (1000 PCS)

④ Press the SET key to go to normal mode.

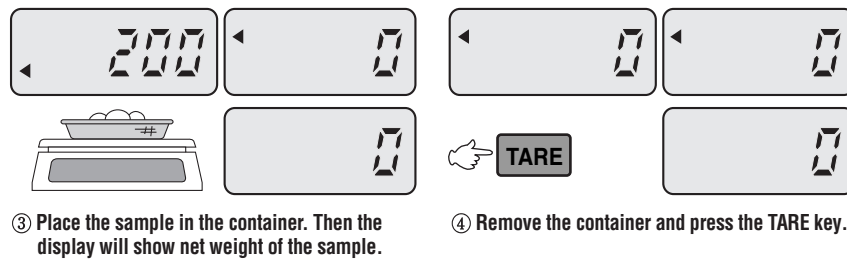
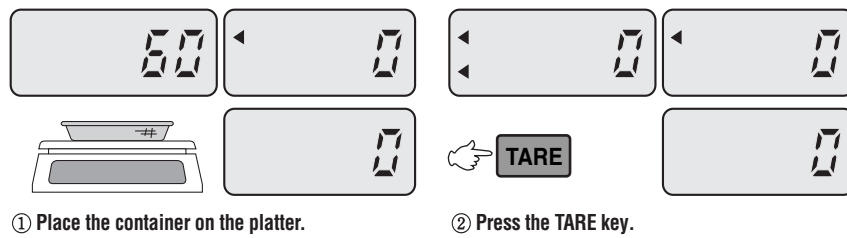
► NOTE: When you count the samples, if the quantity of samples exceed the upper limit(1,000 pcs), you will hear a beep sound and the count display will blink. Then remove the samples and press the C key. To delete this limit of samples, press the C key on step 3.

## 7. How to Use Tare

- Tare is the weight of a container being used for a sample.
- The TARE key subtracts the weight of the container.

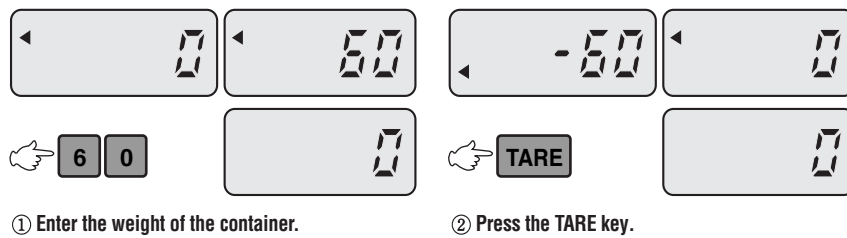
### A) Unknown (Weighed) Tare

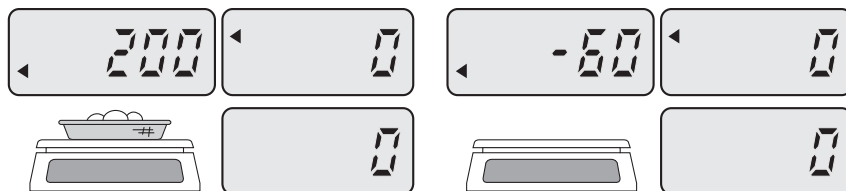
If you do not know the weight of the container, you may use this method.  
Make sure that ZERO lamp is on.



### B) Known (Manually Entered) Tare

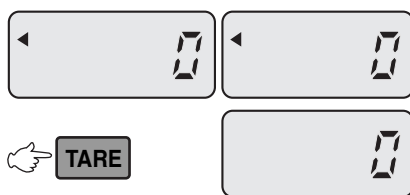
If you know the weight of the container, you may use this method.  
Make sure that ZERO lamp is on.





③ Place the samples with container on the platter.

④ Remove the samples with container from the platter.



⑤ Press the TARE key.

► NOTE: When you enter the tare weight manually, the last digit should be as follows.  
 If the min.weight is 1, you can enter any numbers.  
 If the min.weight is 2, the last digit should be 2,4,6,8,0.  
 If the min.weight is 5, the last digit should be 5,0.

## 8. Printer

- You can use only CAS TOP PRINTER.
- If you press PRINT key, “Auto Print” will be displayed then printing is performed.
- PRINT key toggles between auto print and manual print.




## SPECIFICATIONS

MODEL	SC-5P	SC-10P	SC-25P
CAPACITY	5,000g/10lb	10,000g/25lb	25,000g/50lb
MIN. GRADUATION	1g/0.002lb	2g/0.005lb	5g/0.01lb
MAX. TARE WEIGHT	-4,999g	-9,998g	-9,995g
LACK OF SAMPLE	25g/0.05lb	50g/0.125lb	125g/0.25lb
MIN. UNIT WEIGHT	0.05g	0.1g	0.25g
MAX. U/W MEMORY	1,000		
DISPLAY DIGIT	5/5/5		
TEMPERATURE RANGE	-10°C ~ +40°C		
POWER SOURCE	AC 110/220V, 50/60Hz		
POWER CONSUMPTION	APPROX. 10W		
PLATTER SIZE(mm/inch)	372(W) × 278(D)/14.6(W) × 11(D)		
PRODUCT SIZE(mm/inch)	388(W) × 364(D) × 163(H)/15.3(W) × 14.3(D) × 6.4(H)		

► Notice: Specifications are subject to change for improvement without notice.

## SPECIFICATIONS FOR CE MARKED PRODUCT

### 1. Symbol Description

SYMBOL	PUBLICATION	DESCRIPTION
~	IEC 417. NO. 5032	ALTERNATING CURRENT
	IEC 417. NO. 5019	PROTECTIVE CONDUCTOR TERMINAL

### 2. Electrical conditions for LVD (Low Voltage Directive) testing.

Power source: AC 220V ~ 240V 50Hz, 250mA, 10W

Insulation class: I

### 3. Environment Conditions for non-automatic weighing instrument.

This product is intended to be “indoor use”.

Altitude: less 2000m

Temperature range: -10°C ~ +40°C

Maximum RH 80% (31°C), decreasing linearly to 50% RH at 40°C.

Supply voltage fluctuations: 10% of the normal voltage.

Installation category: II

Pollution degree: II

### 4. How to connect the power supply

The power switch is located on the left side of the scale. Make sure that the power switch is “OFF”.

Plug the scale into AC socket and make sure that the socket’s power is within the scale’s operating range. Turn the power switch “ON”.

### 5. The socket-outlet shall be installed near the equipment and shall be easily accessible.

### 6. Do not pour water directly on the scale. Use the plastic cleaner to clean your scale.

### 7. Changes or modifications not expressly approved by manufacturer for compliance could void the user’s authority to operate the equipment.

**; Above statements can be applied to CE marked product.**