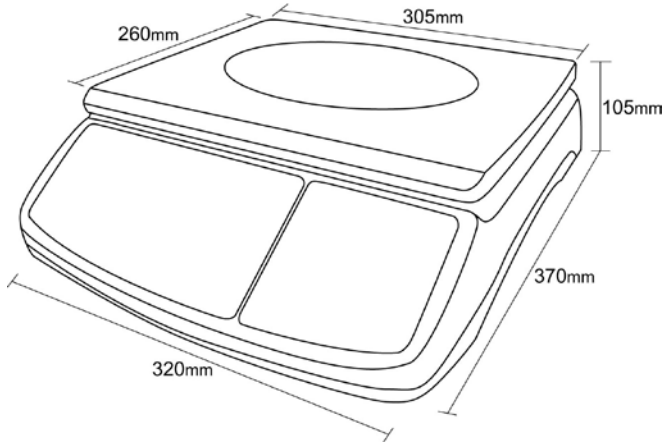
CAUTION

- Upon receiving the scale, please take at least 8 hours to recharge the battery (refer to page11) before you start to operate this scale.
- Please recharge the battery after a long period of storage (more than one month). It takes 8~10 hours to fully recharge the battery.
- Please assemble the platter before powering on the scale.
- Do not keep the weight placed on the platter for a long period.
- Keep the scale away from the environment with high temperature、high humidity、heavy press、heavy bump.
- Always make sure the scale is located in a flat and plane surface.

DIMENSION

Tabletop:



DISPLAY

❖ Zero Indicator (ZERO):

Switch on the scale. Normally, the scale will adjust to zero point automatically and the ◄ cursor will appear on QUANTITY LCD Display (at the right of ***ZERO*** printed). If not, press [***ZERO***] key to adjust the scale at zero point.

❖ Net Weight Indicator (TARE):

Place the container or package on the platter and then press [***TARE***] key. The ◄ cursor will appear on left side of QUANTITY LCD Display (at the right of ***NET*** printed)***.*** Then users can read the net weight of measured subjects with packages or containers.

❖ Accumulation Indication (M+) :

◄ Cursor appears on the left side of QUANTITY LCD Display (at the right of **M+** printed), and indicates the memory bank has stored accumulative data of total weight and total quantity.

❖ Insufficient Quantity Indicator (S.Q.):

When the quantity of measured subjects is less than ***10***, the ► cursor will flash on right side of QUANTITY LCD Display (at the left of ***S.Q*** printed).

❖ Insufficient Weight Indicator (S.W.)

The internal resolution (accuracy) of this scale is ***30000***. While the minimum unit weight of measured subject is less than "***max capacity*** / ***30000***", the cursor will flash on UNIT WEIGHT LCD (at the right of ***S.W.***). However, we strongly suggest that **the minimum unit weight of measured subject must be not less than the sensitivity/minimum capacity.**

(for ESC-30kg x 5g, the unit weight should not be less than 5g).

e.g. The max capacity of this scale is 30Kg; internal resolution is 3000.

30Kg / 3000 = 10g

If the unit weight of measured subject is less than 10g, the cursor ▶ will flash on right side of QUANTITY LCD Display (at the left of ***S.W.*** printed)

KEYBOARD OPERATION

0 ~ 9: *<Number Keys>*

(1) Key in the figure you want directly by number key 0~9.

● : *<decimal point>*

1. to set the decimal point.

2. to enable the Backlight (Optional facility):

If the scale is equipped with optional Backlight:

Press [●] key for 3 seconds to enable Backlight.

Press [●] key for 3 seconds again to disable it.

CE: *<Clear the figures>*

Press [***CE***] key to clear the figures that is showed on UNIT WEIGHT LCD.

ZERO: Press [***ZERO***] key to adjust the scale at zero point. The ◀ cursor will appear on left side of LCD Display (at the right of ***ZERO*** printed).

TARE: For getting the net weight value, please place a package or container on the platter and press

[***TARE***] key.

e.g.: If the package is 200g, WEIGHT LCD will show ***–200*** after users take the package away from the platter.

M+:

Pressing this key could to save the measured weight and quantity values into the memory bank (up to 99 data accumulation). Please notice the ***M+*** function must be operated under the same unit weight.

■ MC:

Pressing this key to delete all accumulated data in the memory bank (the scale will sound ***beep beep*** when [***MC***] key has been operated.

(option):

When the scale contact with SPRT Print Scale, Pressing this key to print data.

SAMPLE: This key is for setting the quantity value of measured subjects.

Example: Put 500pcs of screws on the platter.

Operation steps: Key in ***500*** » Press [***SAMPLE***] key » the averaging unit weight will be showed on UNIT WEIGHT LCD.

! Notice: If users add **less than 500pcs (<500pcs)** of screws onto the platter, the scale will re-count the averaging unit weight (UNIT WEIGHT LCD will clear the original value and then show the new value). At this moment, please do not move or change the weight or measured subjects on the platter. Otherwise, the scale will sample the incorrect total-weight of measured screws and calculate the incorrect unit weight.

WS: This key is for setting the unit weight of the measured subjects. Please be reminded the minimum unit weight of measured subject must be not less than the sensitivity/minimum capacity. (for GRC-30kg x 2g, the unit weight should not be less than 2g).

Example: Put some screws, 5g/pce, on the platter.

Operation steps:

Key in ***5*** » Press [***WS***] key » the total quantity of

measured subjects will be showed on QUANTITY LCD.

ALARM**:** This key is for setting ALARM-Function.
(A) There are 3 kinds of Alarm-Functions:
A-1: Quantity Alarm
A-2: Hi / Lo Limit Alarm of Weight
A-3: Over Weight Alarm

(B) Setting Instructions:
B-1: Quantity Alarm
Example: 100pcs of screws in each package:
Operation steps:
<1> Press [***ALARM***] key to select ***-PCS-*** on UNIT WEIGHT LCD.
<2> Key in ***100*** on WEIGHT LCD » Press [***ALARM***] key to confirm.

Notice***!!*** Please make sure the settings under ***-HI-*** mode and ***–Lo-*** mode must be ***0.000***.
When the quantity of measured subjects is≧***100,*** the scale will sound ***Beep*** continuously.

B-2: HI / Low Limit Alarm of weight
Example: set the Hi / Low range at 1.000kg ± 10g.
Operation steps:
<1> Press [***ALARM***] key to select ***-Lo-*** on UNIT

WEIGHT LCD » key in ***990*** (means 990g=0.990kg) on WEIGHT LCD » Press [***ALARM***] key to confirm

<2> Press [***ALARM***] key to select ***-HI-*** on UNIT WEIGHT LCD » key in ***1010*** (means 1010g=1.010kg) on WEIGHT LCD » Press [***ALARM***] key to confirm

Notice***!!*** Please make sure the setting under ***-PCS-*** mode must be ***0***.

The scale will sound Beep continuously while:
0.990kg ≦ the total-weight value ≦***1.010kg***

B-3: Over Weight Alarm

Example: set 1.000kg as the over weight limit

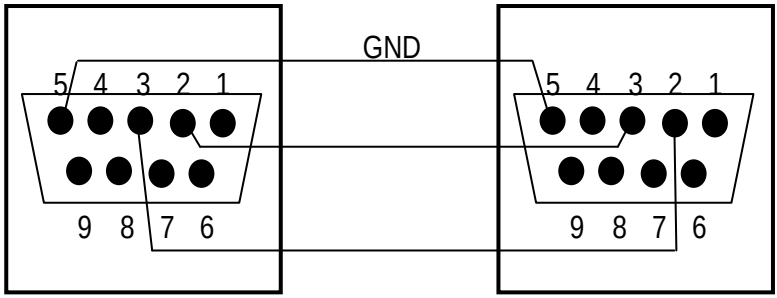
Operation steps:

<1> Press [***ALARM***] key to select ***-Lo-*** on UNIT WEIGHT Display » key in ***1000*** (means 1000g=1.000kg) on WEIGHT LCD » Press [***ALARM***] key to confirm

Notice***!!*** Please make sure the settings under ***-HI-*** mode and ***-PCS-*** mode must be ***0.000*** or ***0***.

The scale will sound Beep continuously when the weight of measured subjects is ≧ ***1Kg***.

RS232 Interface <optional device>



Wiring Configuration:

Baurate: ***9600***

Parity: ***None***

Stop Bit: ***1***

Data Bit: ***8***

Recharge the Battery

Power off the scale and connect the power cord to an AC outlet. CHARGE LED will indicate the ongoing status of the battery. It takes about ***8~10 hours*** to fully recharge the battery.

CHARGE LED:

Color of LED	Status of the battery
RED	Initial Connection
ORANGE	Charging
GREEN	Fully-charged

Power Supply

- AC: 220V/50Hz ±10%

- DC: 6V DC / 25mA rechargeable battery;
  P=0.2W(max)

NOTE: