

User Manual

WSC-IN Series

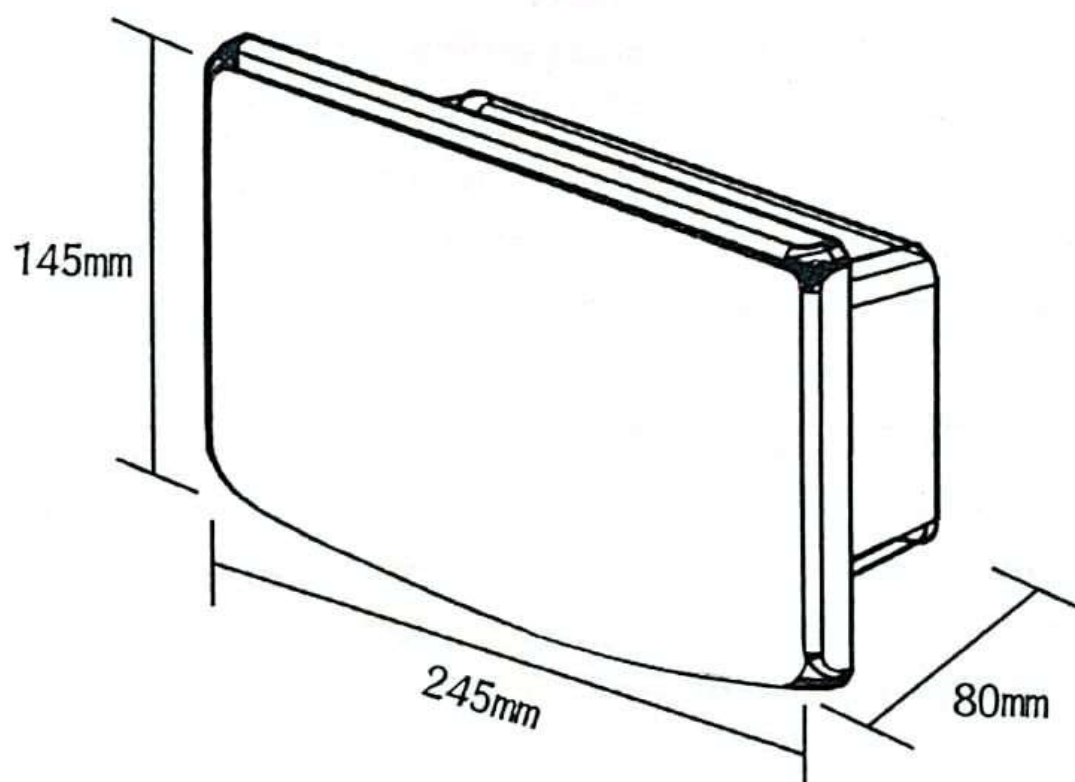
Digital Counting Indicator

CAUTION

- Upon receiving the indicator, please take at least 8 hours to recharge the battery before you start to operate.
- 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 indicator away from the environment with high temperature, high humidity, heavy press, and heavy bump.
- Always make sure the scale is located in a flat and plane surface.

DIMENSION

■ Indicator



DISPLAY

❖ Zero Indicator (**ZERO**):

Switch on the scale. Normally, the scale will adjust to zero point automatically and the ▼ cursor will appear on WEIGHT LCD (at the left 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 be appeared on right side of LCD Display (at the left of **NET** printed). Then users can read the net weight of measured subjects with packages or containers.

❖ Insufficient Quantity Indicator (**S.Q**):

When the quantity of measured subjects is less than 20e (example – 1kg for 150kg/50g); the ▼ cursor will be appeared on left side of LCD Display (at the right 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 50% of division (example – 25g for 150kg/50g), the cursor will be appeared 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 WSC-300kg x 100g, the unit weight should not be less than 100g).

e.g. The max capacity of this scale is 300kg; internal resolution is 3000.

$$300\text{kg} / 3000 = 100\text{g}$$

If the unit weight of measured subject is less than 100g, the cursor will flash on left side of LCD Display (at the right of **S.W.** printed)

■ Battery Symbol () :

When LCD indicates  and the scale sounds **beep for four times**. It means the battery is running in low-voltage status. LCD will indicate  continuously for reminding the user to recharge the battery. If the battery is still running in low-voltage status without being recharged, LCD will indicate **-OFF-** and the scale will sound **beep for eight times**. Please power off the scale and recharge the battery immediately.

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.

C: <Clear the figures>

Press [C] 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 right side of LCD Display (at the left 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.

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.

M1 ~ M5:

5 direct memory for saving different unit weight.

Example: save **2.50** into **M1** for the unit weight.

Operation steps:

Key in **2.50** >> Press [**M1**] key and do not release your hand till the scale sounds Beep >> Finish setting.

Then when users press [**M1**] key, the UNIT WEIGHT LCD will show **2.50**.

For changing the settings, please just follow the above steps and re-key in the unit weight you need.

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 $1.000\text{kg} \pm 10\text{g}$.

Operation steps:

- <1> Press [**ALARM**] key to select **-Lo-** on UNIT WEIGHT LCD » key in **990** (means $990\text{g}=0.990\text{kg}$) on WEIGHT LCD » Press [**ALARM**] key to confirm
- <2> Press [**ALARM**] key to select **-Hi-** on UNIT WEIGHT LCD » key in **1010** (means $1010\text{g}=1.010\text{kg}$) 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:
 $0.990\text{kg} \leq \text{the total-weight value} \leq 1.010\text{kg}$

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

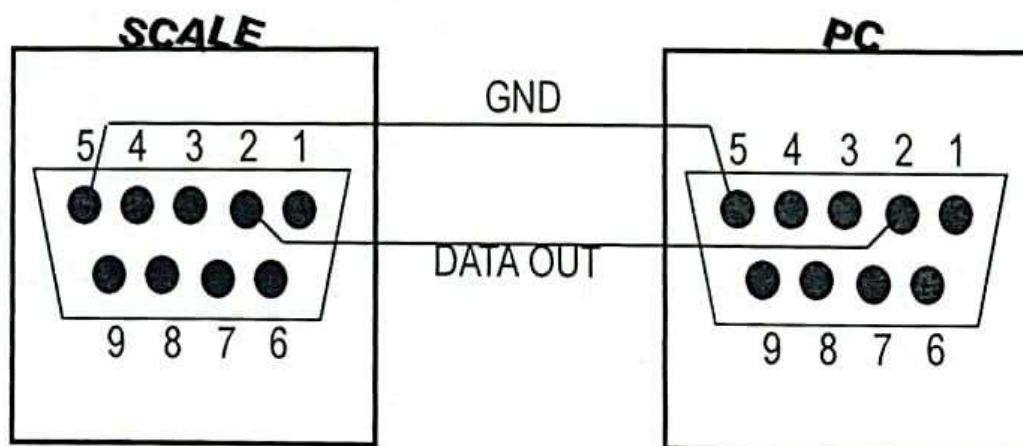
Notice!! Please make sure the settings under

-HI- mode and **-PCS-** mode must be **0.000** or **0**.

The scale will sound Beep continuously when the weight of measured subjects is $\geq 1\text{Kg}$.

RS232 Interface

<optional device>



Wiring Configuration:

Baurate: **2400** Stop Bit: **1**

Parity: **None** 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 SOURCE

- AC : 110V/60Hz $\pm 10\%$
or 220V/50Hz $\pm 10\%$

Digital Counting Scale

We do more than you expect
