User Manual

GRW Series

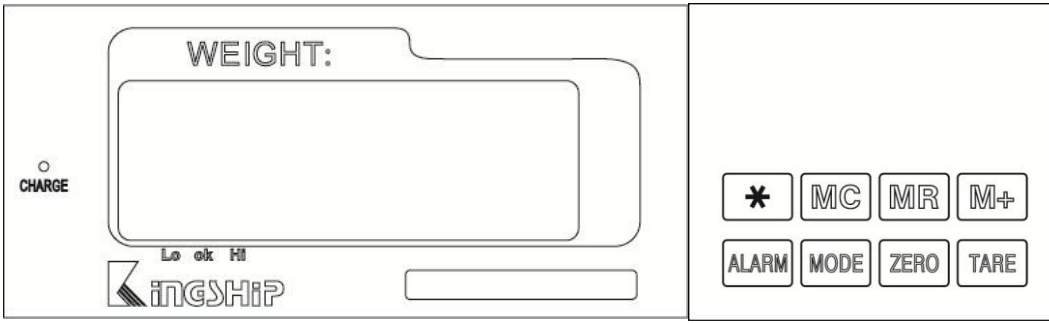
Digital Weighing Scale

Cautions

- Upon receiving the scale, please take at least 8 hours to recharge the battery 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, and heavy bump.
- Always make sure the scale is located in a flat and plane surface.

Panel & Keypad

The below panel & keypad are suitable for table scale/ Indicator/bench scale/floor scale.



※Installation Diagram of Bench Scale: please see page 10.

Symbols on LCD

■ Zero Symbol (*O*) :

O appears on the left-bottom corner of LCD, and indicates the scale is at zero-point.

■ Tare Weight Symbol (*Net*) :

Net appears on the bottom edge of LCD, and indicates the tare weight has been deducted.

■ 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.

■ kg、lb、oz、PCS Symbols :

kg or ***lb*** or ***oz*** or ***PCS*** appears on the bottom edge of LCD, and indicates the present weighing mode.

■ Lo、ok、Hi Symbols :

The ▼ cursor will appear indicate the location (on Lo/ok/Hi limit range) of the present weight value.

Operation Instructions

◆ Backlight (optional) :

Please press and hold [***MODE***] key till the scale sounds ***beep*** in order to enable or disable the optional Backlight.

◆ MODE :

Select the weighing mode (kg / lb / oz / PCS).

◆ ＊ :

This key has no funtion.

◆ ALARM :

1. Over-Weight alarm:

Place a specific weight on the platter and then press [***ALARM***] key to set the weight for Over-Weight alarm. The scale will sound ***beep*** repeatedly.

e.g.: Put 5kg weight on the platter, and then press [***ALARM***] key. The scale will sound ***beep*** repeatedly. At this moment, if the measured weight ≧***5kg***, the scale will sound ***beep*** repeatedly. Press [***ALARM***] key again could disable the setting of Over-Weight alarm.

2. Hi/Lo Weight Limit:

Press and hold [***ALARM***] key till the scale sounds ***beep*** and LCD indicates ***-Lo-***.

1. Press [***ALARM***] key to enter ***-Lo-*** mode to set up -Lo- Weight Limit.
2. Use [***ALARM***] and [***MODE***] keys to set up the value of -Lo- Weight Limit. Press [***MR***] key to confirm the setting, and then LCD will indicate ***-HI-***.
3. # If –HI- Weight Limit does not need to be set, press [***MR***] key could pass the setting of -Hi- Weight Limit and save the setting of -Lo- Weight Limit only. Then LCD will go back to normal weighing mode.

   # If –HI- Weight Limit needs to be set, please press [***ALARM***] key to enter ***-HI-*** mode, and then use [***ALARM***] and [***ZERO***] keys to set up the value. Press [***MR***] again to save the setting, and then LCD will go back to normal weighing mode.

Example 1:

Set up *2.00* in *-Lo-* mode (-Lo- Weight Limit only).

If the measured weight ＜ ***2kg***

The ▼ cursor will not appear and the scale will not sound ***beep*** repeatedly.

If the measured weight ≧***2kg***

The ▼ cursor will appear indicate the location on **Hi.**

and scale will sound ***beep*** repeatedly.

Example 2:

Set up *5.00* in *-Lo-* mode and *5.50* in *-HI-* mode:

(2-1) If the measured weight ＜ ***5kg***

The ▼ cursor will appear indicate the location on **Lo.**

(2-2) If ***5kg*** ≦ the measured weight ≧***5.5kg***, the ▼ cursor will appear indicate the location on **ok** and the scale will sound ***beep*** repeatedly.

(2-3) If the measured weight ＞***5.5kg***

The ▼ cursor will appear indicate the location on **Hi.**

◆M+ :

Press [***M+***] key could save the measured weight into the memory bank. (up to 99 data accumulation and 24 data recall)

◆MR :

Press this key to recall the data one by one which is saved in the memory bank by press [***M+***] key. When the last data is showed, press [***MR***] key again will show the total accumulation weight on LCD.

◆MC :

Press this key could delete all accumulated data in the memory bank.

◆ZERO :

Press this key to make the scale be at zero point. LCD will indicate ***O*** on the left-bottom corner.

◆TARE :

Press this key to deduct the tare weight. Put the package or container on the platter and then press [***TARE***] key. LCD will show ***O*** and ***Net***.

Simple Counting Mode

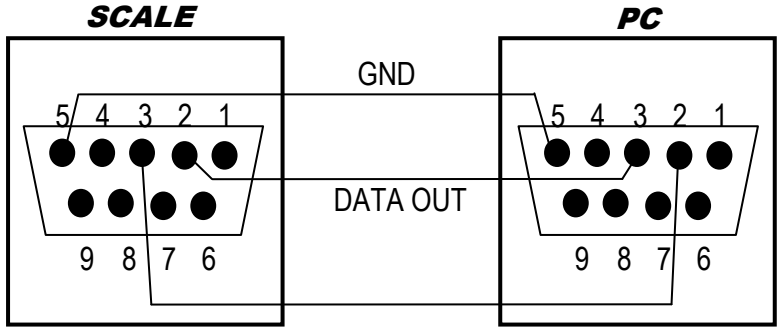
Under **-PCS-** mode:

!! The suggested unit weight of the measured subject should be heaver than ***the division of this scale***.

1. Put 100 pieces of the measured subject (with the same unit weight) on the platter.

2. Press and hold [***MODE***] key till LCD shows ***S= 10***, and then quickly (within 3 seconds) press [***MODE***] key again to select ***S=100*** (10、20、50、100 could be selected for the sample-quantity of the measured subject).
3. Wait till LCD shows 100. The scale has finished calculating the averaging unit weight of the measured subject. Now the simple counting function is ready. This scale could be used as a simple counting scale.

RS232 Interface Connection: *<optional device>*



RS232 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 Requirements

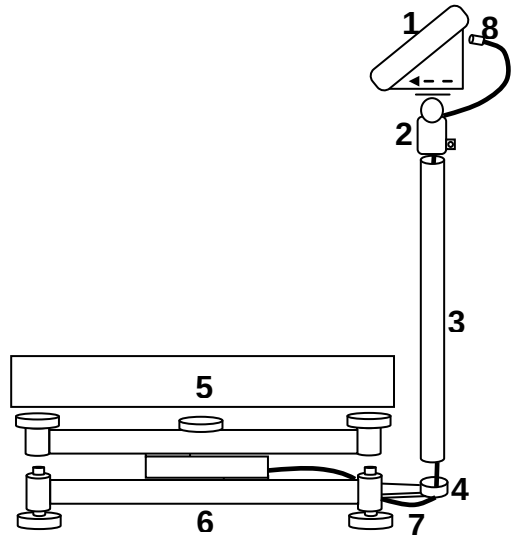
- AC: 220V±10%, 50Hz

- DC: 6V/4Ah rechargeable battery;
  P=0.2W(max)

Installation Diagram of Bench Scale

List of Components:

No.	Item
<1>	Indicator
<2>	Regulator
<3>	Stainless Steel Tube
<4>	Tube Base
<5>	Stainless Steel Platter
<6>	Main Structure
<7>	Cable of Load Cell
<8>	Connector



Installation Procedure:

A. Screw <4> Tube Base and <6> Main Structure together *(with 2 screws of Tube Base).*

B. Insert <3> Stainless Steel Tube into <4> Tube Base *(with 2 screws of Stainless Steel Tube).*

C. Screw <2>Regulator and <3> Stainless Steel Tube together *(with 1 screw and 1 clip of Regulator).*

D. Please refer to the Diagram; pull <7> Cable of Load Cell, from the bottom to the top, through <3> Stainless Steel Tube; and then screw the Clip on the bottom of <4> Tube Base *(with 1 screw of Clip)*.

E. Connect <1> Indicator with <2> Regulator. Notice the direction. Please refer to the arrow on the diagram for proper direction.

F. Put <5> Platter on <6> Main Structure.

G. Insert <8>Connector into the socket of <1>Indicator. Complete installation

※Before using this scale, please unscrew the protecting-screw fixed on the bottom side of the steel-welding base structure.

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