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EXCELL PRECISION CO., LTD.
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User Manual
Hanging Scale
HJP

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Thank you for purchasing Price Computing Scale. In order to operate smoothly, to last the durability, and to reduce the chance of breakdown for this product, please read this Manual carefully.

Instructions For Use

1. In order to prevent the scale from dust and static electricity, please fix the dustproof cover on the scale with double-sided adhesive.
2. The scale should not be drenched by rain or water. (If it gets wet carelessly, please wipe it dry with a cloth. If its operation is abnormal, please send it to our distributor for service.)
3. Please keep the scale in a cool and dry place. Do not store at high temperatures or damp places.
4. Please keep the scale clean and free from insect infestation.
5. To avoid impact and it is to be used under designated pressure (the weight put on the platter can not exceed the maximum capacity of the scale).
6. If the scale is not going to be used for some time, please clean it and store it in a plastic bag in dry condition. A desiccant sachet may be included to prevent moisture build up. The scale should be recharged every 3 months to prevent failure of the internal rechargeable battery.
7. The commodity should be placed in the center of platter for accurate weighing. The dimension of the weighted commodity should not exceed the dimension of platter.
8. Please release the protection screw “↺” before weighing.
9. Any suggestion for product is welcomed

Preparations Before Using

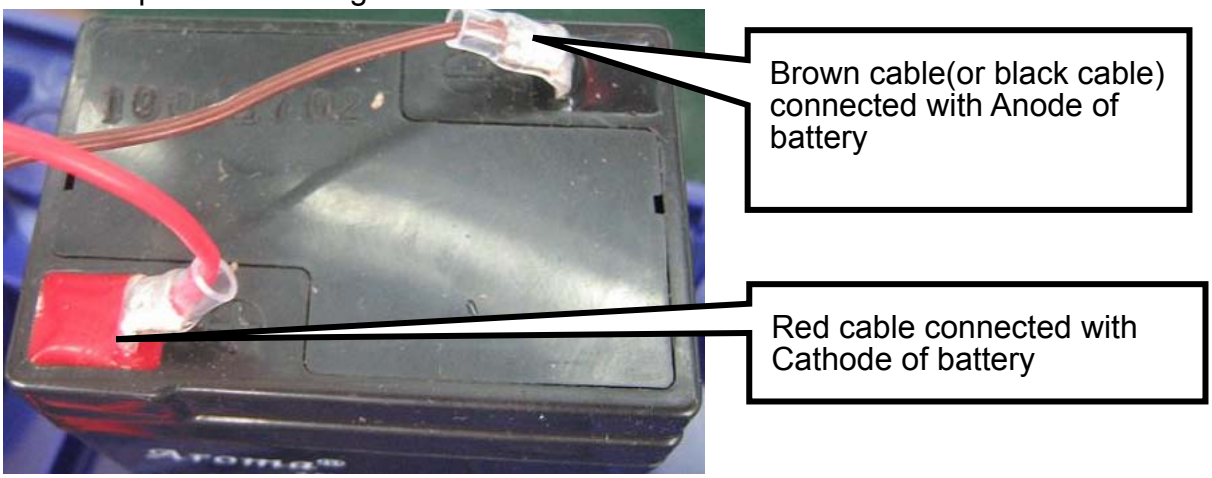
1. Scale must be used under a stable temperature and stable air flow. Avoid direct sunlight onto the scale or near the exhaust port of ventilating system.
2. Scale must be used under individual socket to avoid the interference of other electric appliances.
3. Remove any weight that might be on; the platter before the scale is switched on.
4. Please note that when or symbol appears on the screen, the scale needs to be recharged.
5. Introduction of Storage Battery

Due to the storage battery adopt the advanced free-maintaining technique, customers need not to replenish electrolyte.
The scale should be recharged every 3 months to prevent failure of the internal rechargeable battery.

1. The battery should be charged for 8~10 hours.
2. The temperature of battery should below 45℃.

Maintaining

1. Please do not discharge with over-current when using the battery. Please charge the battery after discharging current.
2. Please take down the battery when the scale is not used for a long time or break the connection of cathode.
3. Do not short the battery terminals to check whether there is current. Please check whether the connection point is firm to guarantee good connection.
4. The battery should be replaced by specialized person. **No reverse-battery or the product will be damaged.**
   a) Anode of battery should be connected with Anode of product battery（usually red cable）
   b) Cathode of battery should be connected with Cathode of product battery (usually brown cable or black cable)
   c) See the picture following



Safety warnings

1. The electrolyte of battery is caustic which causes metal, cotton, etc to corrode.
2. The hydrogen will be resolved when using or charging the battery and it will cause explosion when approaches fire.

※ The following condition should be needed at the same time:

1. the version should be 01011020 or above
2. new decoding IC
3. new remote control

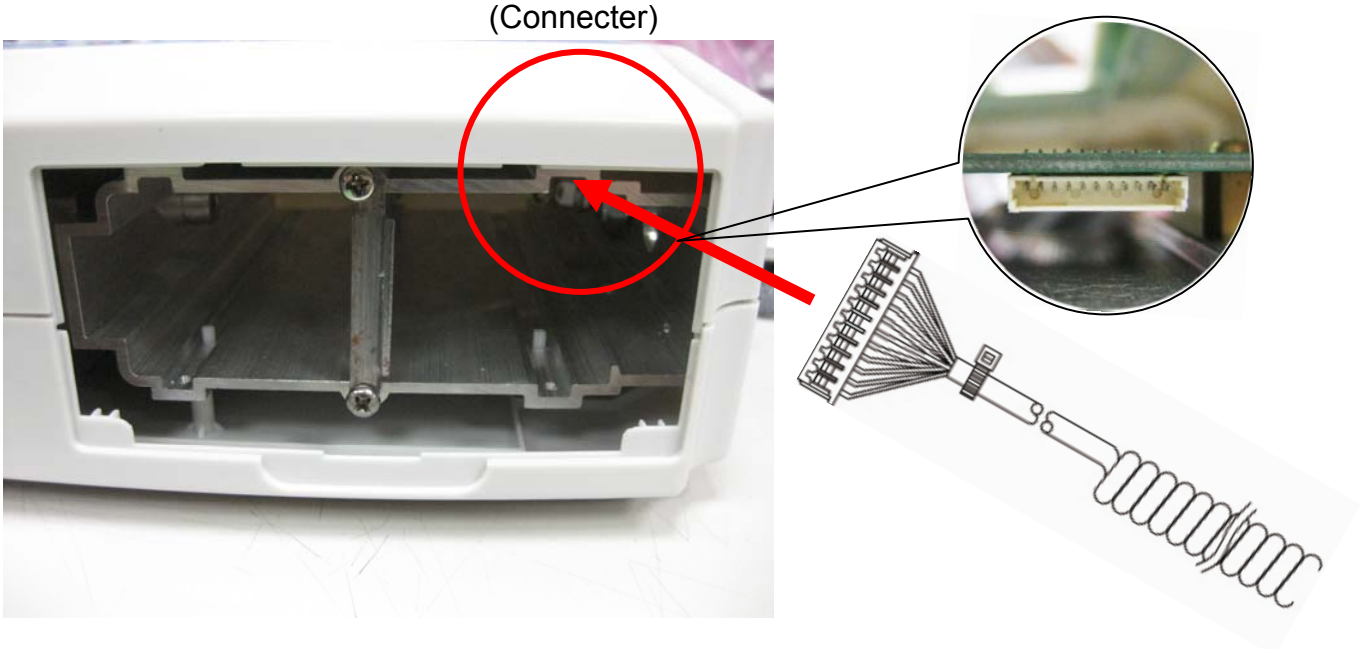
Remote control matching: one-one receives or one-multiple receive. The remote controller only can turn off the scale. Please use the power switch to turn on the scale.
Setting method: power on the scale and when it return to zero,press [5]. If the display shows" irot", the setting is finished.

※ For wireless model, external function with ★ and internal function in this manual should be set as the following method to install a keyboard.

1. Open the battery cover

2. Conncet the line on remote control to the scale.

(Connecter)



Chapter 1 Introduction

1-1 Screen Display

Display Column

1. Weight
6 digits in total display the weight on platter.
The left digit is able to display the negative symbol.

2. Unit Price
5 digits in total display the unit price of objects on platter.
The decimal point floats two digits.

3. Total Price
6 digits in total display the total price of the objects on platter or the accumulation.

Symbol Display

1. **Z** : "Zero" indication.
2. **T** : "Tare" indication.
3. **M+** : "Accumulation" indication.
4. ⊞ : Low battery.

1-2 Error Massage

- OL ⇒ The weight value is over 9 division of maximum capacity.
- E 1 ⇒ Zero value above 10% full scale.
- E 2 ⇒ Zero value below 10% full scale.
- E 6 ⇒ The internal value is over 350,000.
- E 7 ⇒ The internal value is below 80,000.

1-3 Power Supply

Power Selection

1. 6 V / 4 Ah Rechargeable battery
2. 110 / 220 V ±15 % AC Main power

Recharge Voltage (For different models)

1. AC 110 V +10%, -15%
2. AC 220 V +10%, -15%

Power Consumption

40 mA (Indicator + Load Cell)	About 180 hours
70 mA (Indicator + Load Cell + display backlight)	About 100 hours

Low Power Alarm

When the ( ) symbol keeps flashing on the left down corner of the display, it need charging.

The indicator will turn off automatically after 5 ~ 10 hours (approximately 1 ~ 2 hours with backlight on), when the low battery warning symbol shows up. The indicator must be fully charged, before operating again.

When the low battery warning symbol shows up, please recharge the indicator immediately for fear of weight instability.

Chapter 2 Keypad Functions

0 ~ **9** : Number key. Press the keys to input the numbers (0 ~ 9) and to set unit price.

CE : Press the key to clear the old unit price and then input the new one if you would like to change the unit price (If the unit price has been input for 3 seconds, you can input the new one immediately).

T : Press the key to deduct the containers' weight and the symbol "◄" in Weight will appear.

Z : Weight return to zero

. : Press this key one time, the **DECIMAL POINT** is available. Press this key two times with number key 1, 2, 3 or 4, **PRICING UNIT** function is available.

Q'TY : When there is more than one piece of the same item, such as cans which are priced by quantity, input the unit price first and then press **Q'TY** to enter the number of items (input an integer no more than 999). The total amount will be shown in **TOTAL PRICE** (as same as the calculator's multiply). At that moment, please press **+** to store it in accumulation.

+ : Input unit price in the **UNIT PRICE**, then press **+** to memorize the sum.

M+ : After the number on **TOTAL PRICE** is stable, press M+ to memorize the sum.

MR : If there is accumulation data in memory, please press **MC** continually to display the last 99 data.

MC : When there is accumulation data in memory (accumulation symbol "◄" displays in **TOTAL PRICE**), press this key to clear all accumulation data, and accumulation symbol "◄" disappears.

CH : Press **CH** , then total price disappears in **TOTAL PRICE**. Please press the payment of customer, and the change displays in the **UNIT PRICE**.

M+	**MR**	**MC**	**T**
7	**8**	**9**	**Q'TY**
4	**5**	**6**	**+**
1	**2**	**3**	**CH**
0	**.**	**CE**	**Z**

Chapter 3 Operating Instructions

3-1 Internal Value Display Mode

Press [Z] key, when the display show "– – – – – –" ,then press [CE] key immediately. The display will show internal value. Press [0] to exit the internal value mode and return to the weighing mode.

3-2 Setting up Backlight Mode (option)

Press [Z] key, the display will show "– – – – – –" ,then press [4] key right away. It is "auto-backlight mode".

Press [Z] key, the display will show "– – – – – –", then press [5] key right away. It is "backlight-off mode".

Auto-backlight mode

When there is a weight on the pan which weight is over 10d or pressing any keys, the backlight will be on. After back to zero for 10 seconds (the weight is under 10d), backlight will be off.

The scale will keep the auto-backlight mode after the next bootup, If the auto-backlight mode is set before last power-off.

3-3 Selecting the Pricing Unit

❶ Press [.] key two times, the display will show the current pricing unit.

❷ Press [1] ~ [6] to select pricing units. The scale will be back to weighing & price mode. The display will show the symbol indication "◀" for the request pricing unit.

1 ⇒ kg 2 ⇒ 100g 3 ⇒ HK catty

4 ⇒ tl.T 5 ⇒ lb 6 ⇒ oz

If the price unit "lb" is seleteced, the displaying will show three symbols "◀" .

If the price unit "oz" is selected, the displaying will **not** show any symbol "◀" .

3-4 External Weight Calibration (non-approval)★

Steps：
1. Make sure the scale backs to zero and is in “kg” mode.
2. Press [MC] key and do not release, the then press [.] key to show “CAL”, the weight display “0.000” kg .
3. Release two keys.
4. Key-in pre-calibration weight, the display will show “pre-calibration” of weight value in flash. Place full weight(s) on the pan. When the scale is stable, take off the weight(s) from the pan. The calibration finished.

3-5 Factory Default Setting ★

To return to the factory setting, hold [MC] key and press [CE] key.

After buzzer beep sound, release two keys.

The scale will return to factory setting.

3-6 G Value Adjustment (approval models)

For wireless model, please press [0] after the scale countdown to 8.

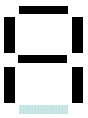
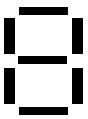
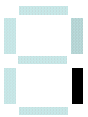
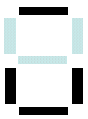
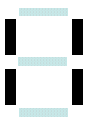
Steps:

1. Press [0] key and do not release, and then power on to enter int G value adjustion mode.
2. Press [T] key to search the historic G value data.
3. Press [M+] key to set and confirm G value.
4. Press [0] ~ [9] key to input the value.
5. Press [CE] key to shift the flashing digit one space to left.
6. Press [·] key to exit.

It can be revising the G value in 9 times.

The G value range is from 9.78031 to 9.83217.

Appendix 1 7-Segment Display Character

Number	Display	Letter	Display	Letter	Display
0		A		N	
1		B		O	
2		C		P	
3		D		Q	
4		E		R	
5		F		S	
6		G		T	
7		H		U	
8		I		V	
9		J		W	
		K		X	
		L		Y	
℃		M		Z	