VALUE EACH GRAM
HiWEIGH

RETAIL SCALE PC1

User Manual


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Important Safety Information

READ ALL INSTRUCTIONS BEFORE USING SCALES TO ENSURE MAXIMUM SAFETY, BEST PERFORMANCE, AND TO GAIN KNOWLEDGE OF OUR SCALE, IT IS ESSENTIAL THAT YOU OR ANY OTHER OPERATOR OF THE SCALE READ AND UNDERSTAND THE CONTENTS OF THIS MANUAL BEFORE OPERATING THE DEVICE.

When using an electrical device, basic precautions should always be followed, including the following:

1. Please use only the original power cord or DC adapter supplied with the scale. Other cords or adapters may damage the scale.
2. DC adaptor is used to charge the battery, and scale can operate without DC adaptor.
3. Avoid using long power extension cords – this may cause interference
4. Do not use on surfaces or in areas where vibration, air movement or temperature change.
   Do not place in direct sunlight or near air conditioning vents.
5. Avoid high humidity (greater than 80%) that might cause condensation, and keep away from direct contact with water and other corrosive chemicals.
6. Static may influence the weighing result. To reduce the static, wipe the pan and scale with anti-static wipes.
7. Don’t impact or drop heavy objects on the scale – this may affect accuracy, or cause damage. Do not stack material on the scale when it is not in use.
8. Battery should be removed if the scale is not used for a long period of time. Battery should be recharged every 3 months.
9. Place items to be weighed as close to center of the pan as possible
10. Only use fingers to operate the keypad. Do not press with hard or sharp objects.

Warranty

We offers one-year limited warranty (parts and labor) for the components failed due to defects in materials or workmanship. Warranty starts from the date of delivery.

During the warranty period, should any repairs be necessary, the purchaser must inform its supplier or Moorange Electronics. The company or its authorized technician reserves the right to repair or replace the components at any of its workshops depending on the severity of the problems. However, any freight involved in sending the faulty units or parts to the service center should be borne by the purchaser.

The warranty will cease to operate if the equipment is not returned in the original packaging and with correct documentation for a claim to be processed. All claims are at the sole discretion of Moorange Electronics.

This warranty does not cover equipment where defects or poor performance is due to misuse, accidental damage, exposure to radioactive or corrosive materials, negligence, faulty installation, unauthorized modifications or attempted repair or failure to observe the requirements and recommendations as given in this User Manual. Additionally, rechargeable batteries (where supplied) are not covered under warranty.

Repairs carried out under the warranty does not extend the warranty period. Components removed during the warranty repairs become the company property.

What is inside Box

AC/DC adaptor (input: 120 VAC, output: 10 VDC, Class 2 power unit)
PC1 scale, with adhesive film covered platter. Two parts are separated to protect the load cell during transportation.
Two wire seals. The wire seal is used usually by the inspector of Department of Weights and Measures or authorized dealer. The wire seal is threaded through a metal rode that protrudes through the bottom of the device and through a hole in the scale base adjacent to the metal rode.

Set up the Scale

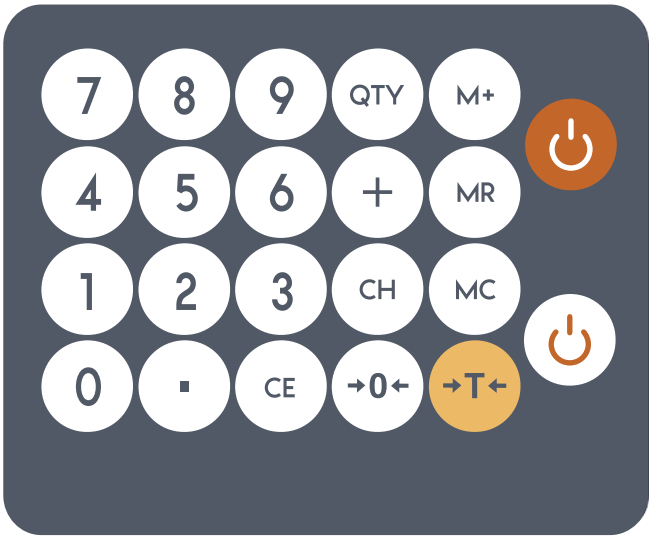
Place the scale on a stable, level surface out of the way of air currents. The scale must be level during use. Adjust the feet and use the integrated bubble at the front of the scale to achieve level. Be sure that scale does not rock back and forth. Ensure no weight is on the pan when turning on the scale. Scale is operated using the rechargeable battery. AC adaptor is used to charge the battery, and scale can operate without DC adaptor. Note the maximum capacity of the scale.

LCD Display

Size: 77 mm x 27 mm X 2.8 mm

Font height: 16 mm

Control Panel



KEY DESCRIPTION for MODEL PC1

Press and hold this key for 2 seconds to turn off the scale.

Press this key briefly to turn on the scale. A self-test will run on the display and then stabilize showing zero

Accumulation key. To accumulate up to 20 data of weight, unit price and total price

Accumulation recall key. To recall and view data by data of accumulated weight, unit price and total price

Memory clear key. Press this key at accumulation recall mode to clear single accumulated data. At weighing mode will clear all accumulated data at once

Tare key. To subtract the weight of container (Max. capacity tare)

Quantity key. After a unit price has been entered, press this key then enter how many pieces and the total price will be calculated (up to 99 pieces)

Add key. To add up unit price or total price

Change key. To calculate the change for customer

Zero key. To reset the residual weight back to zero (only when the display weight is less than ± 2% of the max. capacity

Clear key: To clear unit price

Functions Setup :

Press the →T← key and the [4] key in weighing mode to start Functions Setup

UF1 Backlight

UF2 RS232 Communication

UF3 RS232 Baud rate

Keys descriptions:

M+ = [ENTER] key

→0← = [<] key

CE = [ESC] key

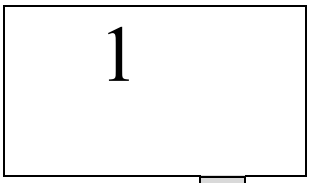
[0] ~ [9] numeric keys

→T← = [>] key

For more information about RS232 communication protocol refer to Appendix I

1. Backlight :

0 Backlight OFF 1 Auto-Backlight (Default Auto-Backlight)

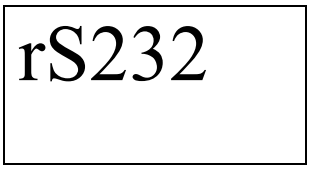


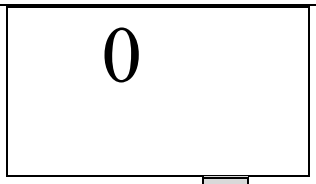
Press [0] ~ [1] keys to select condition. Press the [>] key to go to the next function setup. Press the [ENTER] key to save the change and return back to weighing mode. Press the [ESC] to abort setup and back to weighing mode

2. RS232 :

0 OFF 1 Stable Output 2 Stream Output

3 Accumulation Output(keyboard output) (Default OFF)



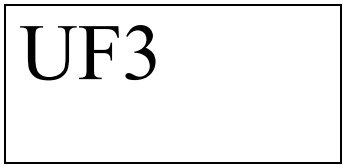


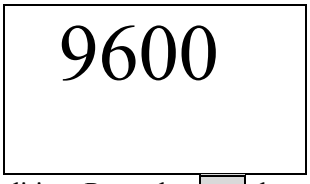
Press [0] ~ [3] keys to select condition. Press the [>] key to go to the next function setup. Press the [ENTER] key to save the change and return back to weighing mode. Press the [ESC] to abort setup and back to weighing mode

3. RS232 Baud Rate :

   0 1200 1 2400 2 4800 3 9600 4 19200

   (Default 9600)





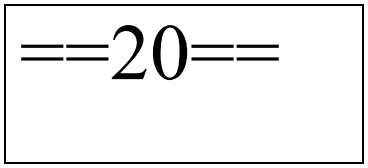
Press [0] ~ [3] keys to select condition. Press the [>] key to go to the next function setup. Press the [ENTER] key to save the change and return back to weighing mode. Press the [ESC] to abort setup and back to weighing mode

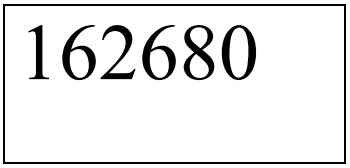
Keyboard testing, to display calibration weight mass internal value and version number :

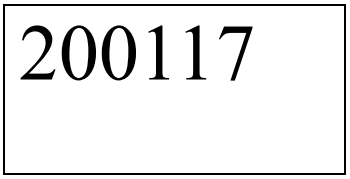
Press the [>] key and the [5] key in weighing mode to test keyboard, to display calibration weight mass internal value and version number

Keys description :

M+ : [ENTER]







Weight window displays key quantity

Unit Price window displays calibration weight mass internal value

Total Price window displays version number

Press the ENTER key and the scale will countdown and back to weighing mode

Key corresponding table

Key location 9 sets of PLU：

7	8	9	0	PLU	M1	Zero	ON
4	5	6	00	M2	M3	TARE	OFF
1	2	3	CE	M4	M5		

Corresponding keys：

04	03	02	24	01	M1	21	ON
14	13	12	23	11	10	20	OFF
44	43	42	22	41	40		

Display battery voltage detected internal value and AD internal value

Press the > key and the 6 key in weighing mode to display battery voltage detected internal value and AD internal value

Keys description :

M+ : ENTER

CE : ESC

Description :

Idle AD internal value if higher than 350,000 lower 75,000 mean it is out of calibration range

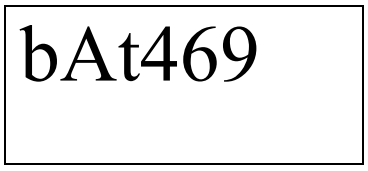
battery voltage detected internal value,

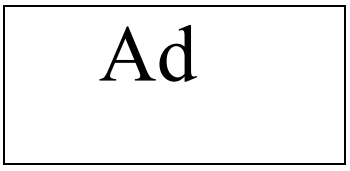
when lower than 386 (approx. 5.6V) the battery indicator lights up

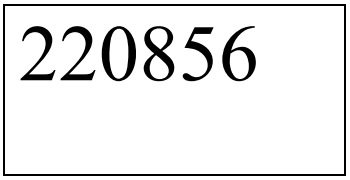
when lower than 380 (approx. 5.5V) the battery indicator flashes

when lower than 374 (approx. 5.4V) the scale turns off automatically

Regular battery voltage is between 360~450

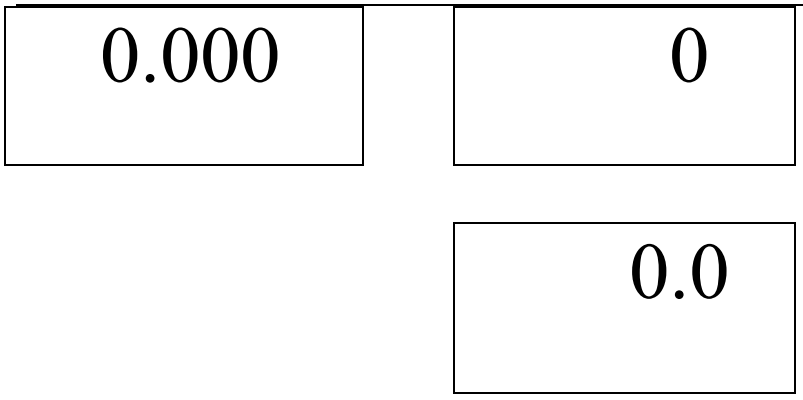






Weight window displays Battery voltage detected internal value

Total Price window displays AD internal value



Press ENTER key or ESC key to return back to weighing mode

Error messages

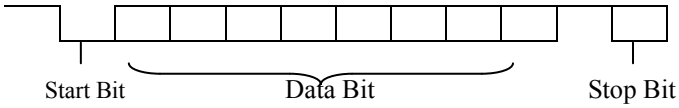
Err H	Initial zero too high (over FULL SCALE + 10%)
Err L	Initial zero too low (under FULL SCALE — 10%)
Err N	Unstable internal value
hhhhhh	Overload, when the weight is heavier than the full capacity + 9d of the scale
------	Total price over 999999

RS232 Output

UART signal of EIA-RS232 C

Format：

1. Serial Output: 2400 / 4800 / 9600/19200 BPS
2. Data Bit: 8 BITS
3. Parity Bit: None
4. Stop Bit: 1 BIT



Format 1 (RS232 1 RS232 2) :

HEAD1 (2 BYTES)	HEAD2 (2 BYTES)
OL - Over Load	
ST - Stable	NT - Net Weight
US - Unstable	GS - Gross Weight

Value Each Gram

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HiWEIGH
Weighing system & solution

Value Each Gram A professional weighing products manufacturer and supplier

v.202004

User Manual

PC1

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HiWEIGH Weighing system & solution

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