INDUSTRIAL WEIGHING SOLUTION™

PR-C SERIES

Counting Scale

www.globalcas.com

OWNER'S MANUAL

CAS

CONTENTS

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Precautions

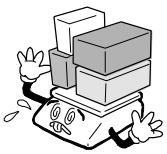
⚠ Warning

Precautions when installing the scale. To ensure that you get the most from your scale, please follow these instruction.

Do not disassemble the scale.

When any damage or defect occurs, contact your CAS authorized dealer immediately for proper repair.

Do not overload beyond the maximum weight limit.

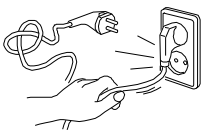


Scale must be grounded to minimize electricity static.

This will minimize defect or electric shock.

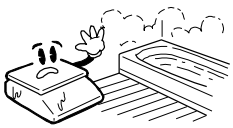
Do not pull the plug by its cord when unplugging.

Damaged cord could cause electric shock or fire.

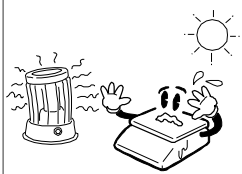


To prevent from fire occurring, Do not place or use the scale near flammable or corrosive gas.

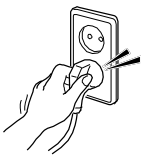
To reduce electric shock or incorrect reading, Do not spill water on the scale or place it in humid condition.



Avoid placing the scale near heater or in direct sunlight.

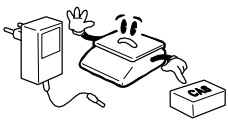


Insert plug firmly to wall outlet to prevent electric shock.



Use proper Adapter.

Incorrect adapter could damage the scale.



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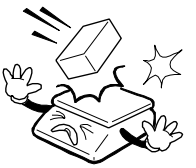
Precautions

⚠ Attention

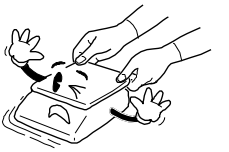
Make sure to plug your scal into the proper power outlet. For maximum performance, plug into a power outlet 30 minutes before the usage for warm up.

For consistent and accurate reading, maintain periodical check by your CAS authorized dealer.

Avoid sudden shock to the scale.



Grab on the bottom of the scale when moving.

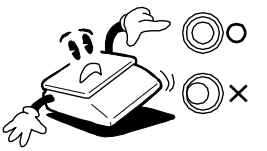


Keep the scale away from other electromagnetic enerating devices.

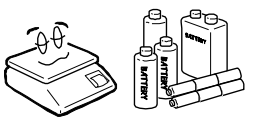
This may interfere with accurate reading.

Place the scale on firm and temperature consistent environment.

By adjusting 4 comers of the scale, set the scale even using the built in scale leveling indicator.



Take the battery out when scale is not in use for long time. Leakage from the batteries is hazardous.



Precautions

- Please do not install the product at a place with drastic temperature changes such as on the side of a window or a door.
- Avoid a place adjacent to an operating air conditioner or heater.
- Avoid a place with occurrence of vibration, rotation or excessive electromagnetic waves.
- Avoid a top of unstable surfaces.
- Avoid a dusty place.
- Do not use the product at a place with an exposure to direct sun light.
- Do not install in a region with magnetism or adjacent to machines.

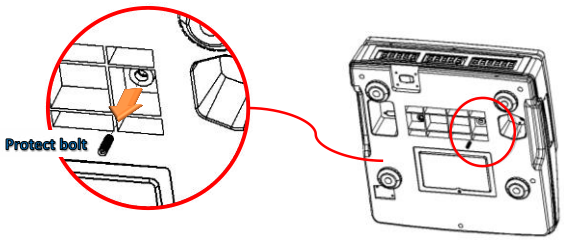
1) Level adjustment for the balance

For balance, a level instrument is mounted on the rear of right side along with four level adjusting screws. Please make the adjustment of the level adjusting screws so that an air bubble of the level instrument is positioned inside a circle at the center.

2) How to operate a power supply for the balance

When a power supply for the balance is turned on and off, a “Power supply” key shall be used, and nothing shall be allowed to be placed on a platter.
This balance has a chargeable battery built in. When the “power supply” key is clicked after supplying power to the balance, it will become a weighing condition after undergoing its own test from 9 to 0. Particularly, make sure to sufficiently charge the battery for more than two hours before use.
A battery service time after complete charging is about 100 hours. When the service time is short even after complete charging of the purchased balance, use repeated charging and discharging for several times to recover a service time performance.

PR-C series precautions



※ Protect bolt (1ea) fixed to Product from the beginning.

※ please remove the Protect bolt before use.

WE WEIGH THE WORLD™ CAS

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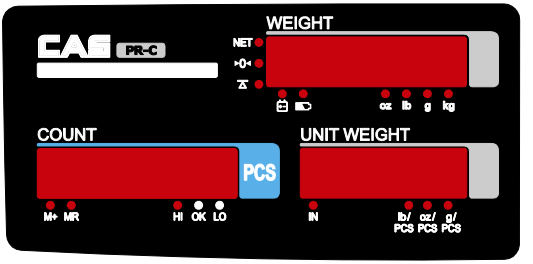
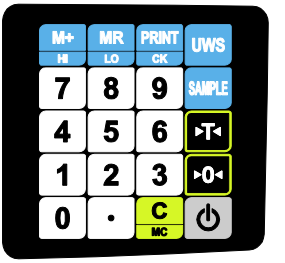
DISPLAY AND KEYBOARD





1) Display window

- Weight window: It shows an added weight or a measured weight, with a weight displayed up to 6 digits.
- Unit weight window: It displays a unit weight and a number of accumulated weight up to 5 digits.
- Quantity window: It displays an accumulated quantity or a measured quantity up to 6 digits.

2) Display symbols

Symbol	Detailed content
NET	Net weight mode
▸0◂	Zero-point display
⏢	Being in a stable condition
⊞	Battery being in a charged condition Power supply cord being in a connected condition
▮	Battery charging required
HI OK LO	Alarm function display
oz lb g kg	Current weight unit
M+	Summation display
MR	Display upon recalling a summation value
IN	Lack of Unit Weight, Lack of Sample Weight

Enter to features

Key	Features
⏻ + PCB-SW1	Go to factory internal setting (Specification setting)
Go to factory internal setting press SAMPLE	Go to specification setting
⏻ + Unit weight	Go to user setting (RS232 setting, print setting, check setting)
Under internal setting internal setting press 0	Go to features setting
Under internal setting internal setting press 1	Go to RS232 setting
Under internal setting internal setting press PRINT CK	Go to checking setting
Turn on + →0←	Zero
Turn on + →T←	Tare
Turn on + C MC	Enter delete/Accumulative delete
Turn on + Number	Enter quantity
Turn on + Number + UWS	Enter Unit weight
Turn on + SAMPLE	Sample function
Turn on + UWS	Count Weight input function
Turn on + PRINT CK	Print
Turn on + MR LO	Accumulate weight display
Turn on + M+ HI	Accumulate
Turn on + keep press PRINT CK	Start/cancel checking function
Turn on + keep press MR LO	Set up low limit
Turn on + keep press M+ HI	Set up Hi limit

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Normal turn off process

1. Switch off

Step	Operation
1	Press ⏻, 1.5 seconds is required to turn on and off the power supply.

2. Switch off display

Step	Operation
1	In the screen, numbers are calculated backward from 9 to 0, **being changed from ON 600ms** to **OFF 400ms** during each hour. **COUNT** **- - - - -** **Ver X** are shown continuously. Ex : **COUNT** **30kg** **Ver 0**

Operating functions explanation

1. Zero

Step	Operation
1	Click zero point： At a zero point, the total weight is displayed as O.

2. Tare

Step	Operation
1	Click container： When a container button is clicked after placing a container, the total weight will be displayed as 0.

3. Number 0 ~ 9 and digit unit button

Step	Operation
1	**0** ~ **9** & **•** Unit weight, Inputting of a weight in decimal points is allowed.

4. Delete

Step	Operation
1	When the C MC key is clicked in any situation, weight 、sample number 、0 will be displayed continuously.

5. SMPL sampling

Step	Operation
1	a. Upon inputting numbers of 0 ~ 9 after placing a weight weight, SAMPLE, 0 will be displayed continuously. b. When a quantity is inputted, stabilization will occur after weight 、SAMPLE 、0 will be continuously displayed. C. When a quantity is inputted, weight 、unit weight 、quantity will be continuously displayed in the display window.

6. UWS single weight entering

Step	Operation
1	a. Upon inputting values of 0 ~ 9 & •, weight 、unit weight 、0 will be continuously displayed in the display window. b. Upon inputting weight, unit weight, weight 、unit weight 、quantity will be continuously displayed in the display window.

7. Weight / Quantity accumulation

Step	Operation
1	Place item to be weighed/counted on the pan. When the M+ HI key is clicked, it will return to the weight setting a minute later after weight 、unit weight 、Quantity and accumulated score 、XXXXX 、Total cumulated amount are displayed in the display window. * Accumulation effective only when stays at zero

8. Accumulative display

Step	Operation

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1	When the MR LO key is clicked, it will return to the weight setting by clicking any key after Weight, Unit weight, Quantity and Total accumulated amount、XXXXX、cumulated score are continuously displayed in the display window.

9. Accumulative clear

Step	Operation
1	If the C MC key is clicked in an Accumulative function, then it means deletion of accumulated Accumulative values. After XXXXXX、CLr AC、XXXXXX is continuously displayed in the display window, it will return to the weight setting a second later.

10. Print

Step	Operation
1	Upon outputting using RS232, printing will be executed by RE232 method by clicking the PRINT CK key.

11. Set up Hi limit

Step	Operation
1	a. When the M+ HI key is clicked for a long time, it will enter into setting of an upper limit value when the power supply is turned on. In the display window, original value、SEtHi、0 will be continuously displayed. b. When 0 ~ 9 keys are clicked, original value、SEtHi、0 will be continuously displayed in the display window. c. After inputting values, click the SAMPLE key, it will return to the weight setting.

12. Set up Low limit

Step	Operation

1	a. When the MR LO key is clicked for a long time, it will enter into setting of an upper limit value when the power supply is turned on, In the display window, original value 、 SEtLo 、 0 will be continuously displayed. b. When 0 ~ 9 keys are clicked, original value 、 SEtHi 、 0 will be continuously displayed in the screen. c. After inputting values, click the SAMPLE key, it will return to the weight setting.

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13. Check function

Step	Operation
1	While clicking the PRINT CK , either “CK ON”or “CK OFF”Will be displayed in the UNIT WEIGHT screen.

14. Features setting

Step	Operation
1	When you turn on the power supply while clicking the UWS key, 0 、0 、0_ will be continuously displayed in the display screen.
2	Upon clicking the 0 key, the screen will be shifted to the Features setting mode, original value 、 、 USET will be continuously displayed in the display window.
3	Upon inputting values of 0 ~ 9, original value 、entering value 、USET will be continuously displayed in the display window.
4	Check while clicking the SAMPLE key, and return to the weight measurement.
Example 1	 (a) (b) (c) (d) (e) 02210 (a) Backlight setting (Function available only in LCD) 0 =Automatic backlight 1 =Backlight 2 = No backlight (b) Vibration filtering The larger the number among values of 0 ~5, the greater filtering (c) Setting a range capable of taking a zero point 0 =over +/- 0d display value 1 = over+/- 1d display 2 = over +/- 2d display 3 = over +/- 3d display (d) Automatic zero point setting 0 =+/- 0d auto zero 1 = lower +/- 1d auto zero 2 =lower +/- 2d auto zero (e) Weight display unit 0= g 1= kg 2= lb 3= oz

15. RS-232 setting

Step	Operation
1	When you turn on the power supply while clicking the UWS key, 0 ` 0 ` _ 0 will be continuously displayed in the display window.
2	Upon clicking the 1 key, the screen will be shifted to the RS232 setting mode, original value ` ☐ ` RSSET will be continuously displayed in the display window.
3	Upon inputting values while clicking 0 ~ 9 key, original value ` entering value ` RSSET will be continuously displayed in the display window.
4	Check after clicking the SAMPLE key, and return to the weight measurement.
Example 1	 (a) (b) (c) (d) (e) 11111 (a) Baud rate setting 0 =4800 1 =9600 2 =19200 (b) Weight printing status 0 =No printing 1 =Printing (c) Unit weight printing status 0 =No printing 1 =Printing (d) Quantity printing status 0 =No printing 1 =Printing (e) Remove method 0=Continuous 1=Stable 2=Key 3=Ticket printer(Weight, unit weight, quantity) 4=Label printer(Weight, unit weight, quantity) 5=Label printer(Weight printing) 6= Label printer(Quantity printing)

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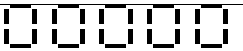
16. Check weighing warning setting

Step	Operation
1	When operating the product while clicking the UWS key, 0 、0 、0 will be continuously displayed in the display window.
2	Upon clicking the 1 key, the screen will enter into the check weighing warning setting, original value 、 、 CKSET will be continuously displayed in the display window.
3	Upon inputting values while clicking 0 ~ 9 key, original value 、entering value 、 CKSET will be continuously displayed in the display window.
4	Check after clicking the SAMPLE key, and return to the weight setting.
Example 1	 (a) (b) (c) (d) (e) 00010 (a) Set up check alarm type 0 = Weight 1 = Quantity (b) Set up stable/unstable 0 = Check function operates when the weight is stable 1 = Check function also operates when the weight is unstable (c) Set up alarm type 0 =Alarm functions when the value is Hi-limit 1 = Alarm functions when the value is Low-limit 2 = Alarm functions when the value is between Hi and Low-limit 3 = Alarm functions when the value exceeds the Hi-limit or is below the Low-limit (d) Buzzer ON/OFF 0 = OFF 1 = ON

Internal count value display

Step	Operation
1	When operating the product while clicking the →0← , AD value , [ ] , key value , will be continuously displayed in the display window.
2	Upon clicking Others including number, etc. keys, AD Values will be displayed.
3	Upon clicking the →0←, the screen will return to the weight setting again.

Error message

Error code	Cause
	Battery charging required.
B Err	Emergency battery charging required
oL	Checking required to see if weight is exceeded+9e
Err	Displayed when weight was not removed after summation
P-Err	Displayed when a number of digits in COUNT window and a number of digits in UNIT Weight window are exceeded
ClrAC	Displayed when a summation value is erased

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Specifications

MODEL	PR-C			
Max.Capacity	3kg	6kg	15kg	30kg
Readability (g)	0.1g	0.2g	0.5g	1g
External Resolution	1/30,000			
Internal Resolution	1/600,000			
Display Type	LED			
Weight Units	Kg, g, lb, oz			
Operating temperature	0℃ ~ +40℃			
Power	AC 220~240, 50/60Hz, Pb Battery 6V/4Ah			
Battery life	100hrs			
Dimensions(mm)	335(W) x 336.1(D) x 103(H)			
Platter size(mm)	322(W) x 212(D)			
Product Weight(kg)	3.5			

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MEMO

MEMO

PR-C SERIES

Counting Scale

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9002-PR2-0033-0 2014.0