

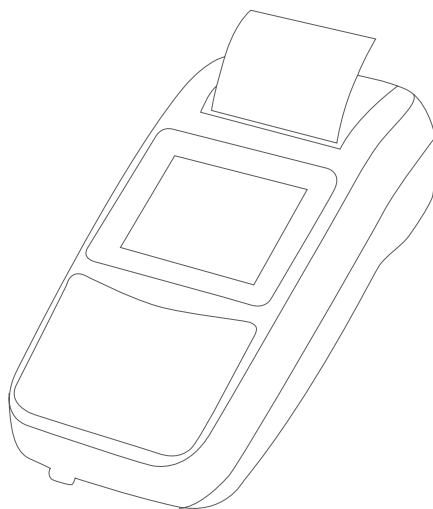


GRAM

SERIES

C6P

Indicator / Printer



EN



OPERATION MANUAL



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ENGLISH

SAFETY GUIDE

Read carefully the following instruction and advice before using this scale.

- Over-loading this scale is harshly prohibited
- Refrain from long-time loading that could lead to excessive fatigue on loadcell used inside the scale. Excessive fatigue on loadcell would decrease the accuracy and shorten the life of scale.
- Check the shackle and hook regularly.
- Check the battery power level before/after use and recharge the scale in time.
- In order to maximize the battery life, periodic recharging is necessary for scales even not in use for long time.
- Do not try to repair the scale by yourselves.
- Use privately attached charger only.
- The scale can show the cell capacity when power on. For example when U 86 is shown, meaning the current cell capacity is 86%. If the cell capacity is 20%, please charge the scale as soon as possible to avoid damaging the battery.

TECHNICAL PERFORMANCE

1. **Accuracy:** Level III
2. **Internal resolving power:** 1/60 ten thousand

3. **Technical performance of sensor:**

Non linear – return error: $\pm 0.02\%R.O$

Light change: $\pm 0.025\%R.O/20$ minute

Sensitive: $2.02 \pm 0.004mV/V$

Supply voltage: 3.7V DC

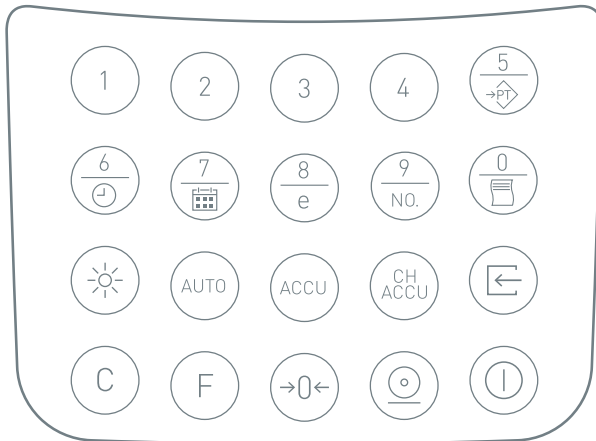
4. **Voltage:** 7.4V DC

5. **Power:** Approximate 0.2W

6. **Operation temperature:** weighing display unit between $0^{\circ}C$ to $40^{\circ}C$,
sensor $-20^{\circ}C$ - $+40^{\circ}C$ r


7. **Relative humidity:** 10 - 90% RH

8. Distance between weighing display unit and scale is no greater than 150 meters.







OPERATION

Power on


Please turn on the crane scale first and then turn on the indicator pressing the  key.




Time

In weighing status, if check time, press key , it displays current time like 12:23:20.


Time adjustment: Press key , input "16" then press , it displays time like "122320", input the correct time like "122530" then press . The time has been adjusted.




Date

In weighing status, if check date, press key , it displays current date like 11.03.10.


Date adjustment: Press key , input "17" then press , it displays date like "110310", input the correct date like "110315" then press . The date has been adjusted.




Number operation

If checking number of current goods, press key , it displays goods No. at lower left corner.

Modify Number: Press , input "19" then press , it displays original No., input the number you want then press  to modify.

Statistics Printing

If a batch of goods need to be weighed for several times, it needs this printing mode. Press key , it is statistics printing. It prints out No. of the goods, date, serial number, time and weight.


For example, if first time the weight is 1000kg, press , it'll print serial number "0001", time "12:30:30", weight "1000". Then press  every time after weighing the goods, after finishing weighing all the goods, press key  accumulate all the weights and print out then quit the mode.

Sample

WEIGHT MEMO		

No.: 0000		
Date: 11/04/30		
Ser No.	Time	Weight
		(kg)
0001	13:24:53	1000
0002	13:25:24	2000
0003	13:25:39	1000

General Printing



When weighing goods, after the stable light on, press key , it'll print out No. of the goods, date, time, tare weight, gross weight, net weight.

Sample

WEIGHT	
MEMO	

No.: 0000	
Ser No.: 0001	
Date:	
11/04/30	
Time:	
13:29:45	
G.W. 2000kg	

Auto Printing

This indicator has auto printing function, press key , it will print out like statistics printing mode. It'll print automatically every time after stable light on. After finishing weighing, press  again, it'll accumulate and quit the mode.




Sample

WEIGHT MEMO		


No.: 0000		
Date: 11/04/30		
Ser No.	Time	Weight (kg)
Auto Enter		
0001	13:24:53	1000
0002	13:25:24	2000
0003	13:25:39	1000
Auto Quit		

Accu:	0003items	
Total:	4000 kg	


Division Value

If modify division value, press  it displays "P 0" means no decimal point of division value, e.g.: to set division 0.5kg, input 1 (P 1) then press  it displays "d 1", input 5 (d 5) then press . Finished now the division value is 0.5kg.

Backlight

Press key  to turn on / off the backlight.



Accumulation

Key  is used in statistics printing mode, to accumulate the weights and quit the mode.

Accumulation check








In statistics printing mode, press  and check the total weights.

Pre-set Tare

Press key , it displays [p 0], input tare value like 879kg, then press .







PARAMETERS SETTING

Zero and baud rate setup






1. Press  to enter into parameters setting and input "18", then press .
2. **The display will show (F1 1):** Zero function range setup, choose "0 means 0%", "1 means 2%", "2 means 20%", "3 means 50%", "4 means 100%". Select the desired option and press  to confirm and go to next parameter.
3. **The display will show (F2 2):** Zero function range of power on, choose "0 means 0%", "1 means 4%", "2 means 50%", "3 means 100%". Select the desired option and press  to confirm and go to next parameter.
4. **The display will show (F3 05):** Zero-tracking range, choose "5 means 0.5e", "10 means 1e", max is "20 means 2e", then press  to confirm and go to next parameter.
5. **The display will show (F4 4):** Baud rate of wireless, choose "1 means 600bps", "2 means 1200bps", "3 means 4800bps", "4 means 9600bps", then press  to confirm and go to next parameter.
6. **The display will show (F5 4):** Baud rate of RS232, choose "1 means 600bps", "2 means 1200bps", "3 means 4800bps", "4 means 9600bps", then press  to confirm.




7. The display will show **"END"** press  to back to normal weighing mode.





Printing parameters setup

1. Press  key, input **"97"** and press .
2. **The display will show (p1 0):** Setup print out whether back to "0" or not, choose "0" means back to 0 and print, "1" for not back to 0 and print, then press  to confirm and go to next parameter.
3. **The display will show (p2 1):** Setup pieces of printing bill, choose "1 means 1pc", "2 means 2pcs", "3 means 3pcs", then press  to confirm and go to next parameter.
4. **The display will show (P3 0):** Setup time of auto printing after stable light on, choose "0 means the time after stable", "1 means 1s after stable", "2 means 2s" and the long time is 3s, press .
5. The display will show **"END"** press  to back to normal weighing mode.





Collecting printing

1. Press  key, input "15" and press , it displays **"pt 0"**.
2. **Input "1" it displays "pt 1":** Means print out all weights which under the same No. of goods. Press  to confirm, it displays **"0"** meaning input No. of the goods like "1234" and press . It displays **"pn 0"**, 0 means simple mode which only print out the total weight of the goods No.; 1 means print the details of the goods No., input the value and press , it'll begin printing.
3. **Input "2" it displays "pt 2":** Means print out all weights which use same




date. Press  and input the date you want like 110304, and press  it displays “**pn 0**”, 0 means simple mode which only print out the total weight of the goods No.; 1 means details, input the value and press  it'll begin printing.

4. **Input “3” it displays “pt 3”:** Means print out all the data. Press  and it displays “**pn 0**”, 0 means simple mode which only print out the total weight of the goods No.; 1 means details, input the value and press  it'll begin printing.
5. **Delete data:** Press  and input “**72851**”, press  then all the data will be deleted.








Setting up channel

1. Press  key, it displays “**P 00**”, Input[20] and press .
2. The display will show “**pd 01**”. 01 means the channel number, input the channel number you want directly by digital key and press key , it shows “**END**”, then press  again to confirm and finish.

Off time setting

1. Press  key, it displays “**P 00**”, Input[30] and press .
2. The display will show “**dl 01**”, 01 means half an hour to power off; 02 means an hour; 03 means one and a half hour} press it show “**END**”, then press  to confirm and finish.

CALIBRATION

1. Press , input password “**13386**” and press .
2. It displays “**d ***”, * means division value, you can choose 1, 2, 5, 10, 20, 50 and then press .
3. It displays “**P ***”, * means decimal points of division value, choose 0 for no decimal or 1 means 1 decimal; then press .
4. It displays Max capacity like “**05000**”, input Max Cap you want and press .
5. It displays “**no load**”, wait until stable light on and press .
6. It displays **F.S.**, load weights onto the scale (like 3000kg), input value of weights like “**03000**”, wait until the stable light on, then press .
7. Finished.

GUARANTEE

This scale is guaranteed for one year from the delivery date. The guarantee covers any fabrication defect of the material.

During this period **GRAM PRECISION, SL**, covers the manpower and the spare parts necessary for the reparation of the scale.

This guarantee does not cover the failures caused by an inappropriate use or overcharge.

The guarantee does not cover the freight cost (transport) necessary to repair the scale.



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