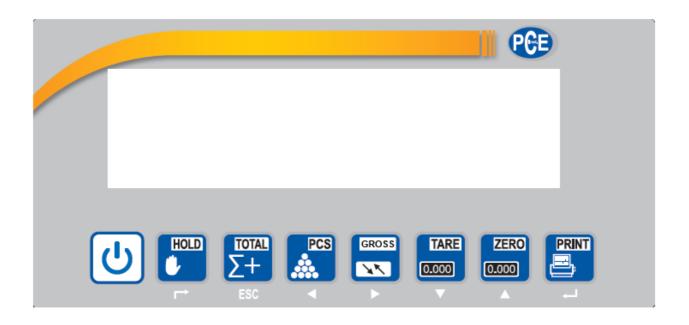


PCE-SW N Series Scales and Weighing Beams

USER MANUAL



Edition:10052001A

www.pce-instruments.com



For safety operation pls. follow the safety instruction.



WARNING

Setting. Calibration Inspection and Maintain of the indicator is prohibited by Non-professional staff.



WARNING

Pls. make sure the weighing display have good ground in using





WARNING

The indicator is the static and sensitive equipment, cut off the power during electrical connections, internal components touched by hand is prohibited, and please take the measure of anti-static.

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1. Instruction

This weighing indicator is designed for bench scale. Floor scale, the basic weighing function include: Hold. Print kg/lb conversion . optional: I/O , 4-20mA output.

1.1 Main function

Weighing function:

Zero, tare, G.W, N.W, accumulation. printing, animal -weighing.

kg/lb convert. Overload remind.

Print format: S.N. G.W N.W Tare. Date, Time

Options:

Pinter

RS232/RS485 serial interface or second display

I/O

4-20mA

1.2 technical parameter

Accuracy class 6000 e

Resolution display: 30, 000 ADC: 2,000,000

$$\label{eq:control_equation} \begin{split} Zero \ stability \ error & TK_0 \ < 0.1 \mu V /\!/ K \\ Span \ stability \ error & TK_{spn} < \pm \ 6 \ ppm /\!/ K \end{split}$$

Sensitivity (internal) 0. $3 \mu V /d$ Input voltage -30~30mV DC

Excitation circuit 5 VDC, 4 wire connection,

Maximum connect 6 load cell of 350Ω

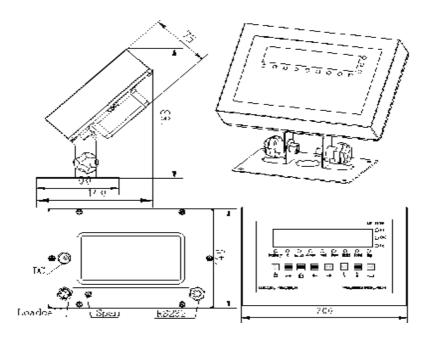
AC power AC100~250V

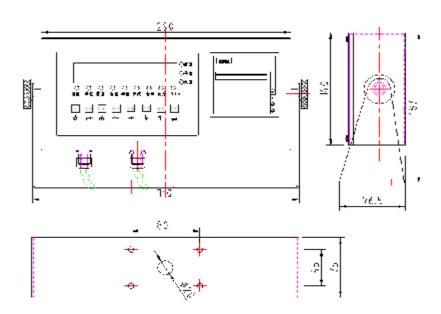
Operation temperature - 10 °C ~ + 40 °C

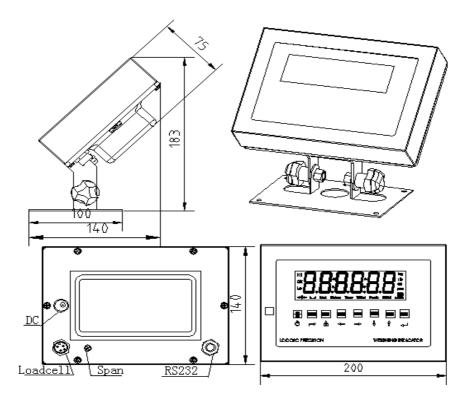
Operation humidity ≤90%RH

Storage temperature $-40 \,^{\circ}\text{C} \sim +70 \,^{\circ}\text{C}$

1.3 Outline (mm)







1.4 Battery instruction

- 1. . when you use the internal battery first time, you should charge the battery fully, to prevent low voltage resulted from self leakage of battery.
- 2. when the "battery" light is on, means low battery, pls. charge it in time
 - 3. the light turns to yellow during charging
 - 4. when the light turns to green, means fully charged.
- 5. if battery is not used for long time, take it out to avoid the leakage.
- 6. In order to keep the battery in best using condition, it is suggest that you fully discharge the battery every month, the method is that using the indicator till it is automatically power off.

2.Installation and calibration

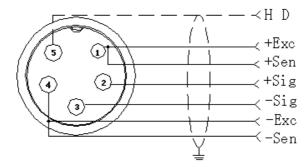
2.1 Power supply connection

The indicator is powered by adapter, you plug the adapter directly into the "DC" pin at the back cover the indicator is ok.

2.2 Connection of load cell and indicator

The indicator can connect with 6 load cell of 350Ω at most, 4 wire or 6 wire load cell both ok.

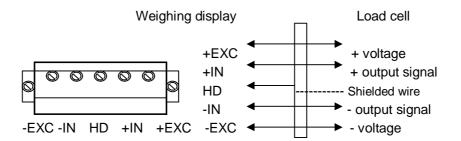
There are two methods connection between load cell and indicator A. quick disconnect, as below:



- B. Terminal trip connection (inner connection)
- 1. the exciting voltage for the load cell is 5VDC, the largest output current 120mA, maximum connect 6 pcs 350Ω load cell;
- 2. Load cell (or the signal cable for the junction box) is connected with 5 bit

Terminal trip (J5) on the circuit-board of weighing indicator.

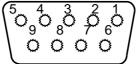
3. Open Weighing indicator back cover, insert signal cable to the terminal trip(J5), and make sure the screw is fixed tightly, the connection as below:



2.3 Communication interface

RS232: DB9 Pin or 3 Pin

DB9 definition

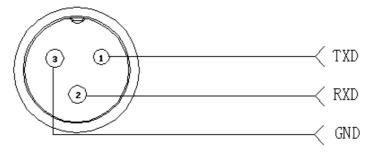


Pin function and definition as bellows:

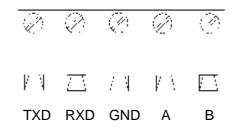
DB9 joint	Definition	Function
2	TXD	Sending data
3	RXD	Receiving data
5	GND	Ground interface

Note: if RS485, The connection pin is 2 and 5 pin.

3 Pin definition



Inner connection



Pin definitions:

Pins Definitions		Function
	TXD	Sending data
RS232	RXD	Receiving data
	GND	Ground
RS485	А	RS485 output "A"port
N3400	В	RS485 output"B"port

2.4 4-20mA output

Technical parameters:

Resolutions: 1/1000Outside Load: $100-350\Omega$

Connection:

- 1. Inside connection: 4-20mA, load input port connect with "I" of J2, Ground port connect with "GND" of J2
- 2. Outside connection: 4-20mA, load input port connect with "1" pin of D89, Ground port connect with "6" pin of DB9

Testing:

Connect the 250Ω to the 4-20mA, adjust the multimeter to the current stalls, the red pan connect the loading port, and the black pan connect" GND" to test the output current.

Calibration:

- 1. Press" Print" and "Total" go to C32, show[out-4], the output current should be
- 2. If Press [↑]show[out-5], Pres[\downarrow]show[out-20], the output current should be 20mA.
- 3. Adjust the current, for example, adjust to [out-20], the output current should be 12mA, if not 12mA. Press [\leftarrow]("Zero" key)or[\rightarrow](Net/gross key)to adjust the current to 12mA

2.5 Relay output signal function

The indicator can output 4 signal , connect with the outside equipment the indicator can perform automatic control function and upper limit and lower limit alarm function. Perform the 4 kinds function through setting C33, 4 signals

As below

	Output port	Port definition	Function	
	Out1	Close output function	No output signal	
022-0	Out2	Close output function	No output signal	
C33=0	Out3	Close output function	No output signal	
	Out4	Close output function	No output signal	
	Out1	Open overload control function	Output overload control signal	
C33=1	Out2	Open compliance control function	Output compliance control signal	
	Out3	Open underload control function	Output underload control signal	

	'		Output stable control signal	
	Out1	Weight>=C13 instant connection	Feeding control signal	
	Out2	Weight<=C14 instant connection	Feeding control signal	
C33=2	Out3	OUT1、OUT2 close	When OUT1、OUT2 connect will output alarm signal, connect with buzzer	
	Out4	Weight<=C14 constant connection Weight>=C13 disconnect	Feeding start and stop	
C33=3	Preserved, no function.			

For example:

Check weigher application. Connect indicator with yellow, green, red 3 lights. Yellow light on when overload, if ok the green light on. If underload red light on. And can connect with buzzer. There would be alarm remind when overload.

C33=2 Feeding control application

For hopper scales. The target is between is 50~500kg, the Output card can perform open and close feeding valve.

Parameter setting C13=500kg C14=50kg

C13=500kg upper limit, close feeding valve

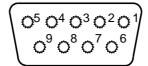
C14=50kg lower limit, open feeding valve.

Connection: 1. Connect directly control machine, pls. connect OUT 4, suggest connect another manually switch as the stop switch in emergency

indicator output signal will influence the ON/OFF switch to control machine, OUT 2 ON, OUT 1 OFF, OUT 3 connect buzzer, alarm remind when start and stop.

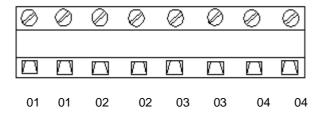
Instruction: when the weight over 500kg, OUT 1 OU3 instant connection and break off, OUT 4 break off; when weight under

 $50 kg,\, OUT\, 2\,\, OUT3$ instant connection and break off, OUT 4 constant connection.



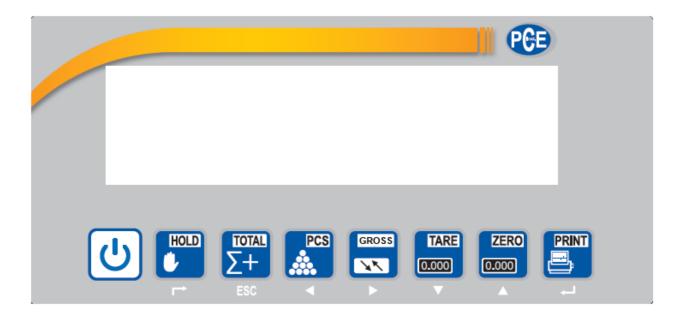
DB9 pin definition		port
1 pin	1 st output signal pin	Out1
6 pin	1 st output signal pin	Out1
2 pin	2 nd output signal pin	Out2
7 pin	2 nd output signal pin	Out2
3 pin	3 rd output signal pin	Out3
8 pin	3 rd output signal pin	Out3
4 pin	4 th output signal pin	Out4
9 pin	4 th output signal pin	Out4

Inner connection pin definitions



3. Basic operation

3.1 keypad



LED	instruction	
8	Weighing data	
kg	kg	
lb	lb	

Hold	Data hold
Gross	Gross weight
Net	Net weight
Tare	tare
L A	The weighing data is stable
⇒ \ \	
Hi	Overload
ок	ok
Lo	Underload
	Decimal
PCS	Show the counting status.
TOTAL Go to accumulation mode	

Keys function

keys	Key name	Key function	
PRINT	Print	1.work with "ZERO" TARE" "ON/OFF" key to perform many functions. 2.Print	
0.000	Zero	Zero the weight within tolerance	
TARE (0.000)	Tare	At G.W mode, get the tare weight. At N.W mode, clear the tare, get the G.W	
GROSS	Gross weight	At N.W mode, check the G.W, after 3 seconds back to N.W automatically	

PCS	Counting	Counting operation
HOLD	Hold	Freezes displayed weight on screen
TOTAL SESC	Accumulation	 Accumulation work together with "Print" to perform The accumulation function and check the accumulation result
(C)	Power on/off	Press 2 seconds to power on or power off

3.2 Power on & off

Press 2 seconds to power on or power off, after power on the indicator show"000000-999999". After self inspection. It go to the weighing mode. Pls. check it whether 6 bits LED/LCD display and the status light is good or not.

3.3 Zero operation

1. Initial zero setting

When power on the indicator, if the weight on the scale is within the initial zero tolerance, indicator show zero automatically.

2. Manually Zero setting

When the scales is stable, and not the negative display, you can zero

the weight within tolerance by press



keys.

3.4 Tare operation

Press "TARE" key, the gross weight is tared, indicator show the Net weight, the "Net" "tared" status light is on. At tare mode, Press" TARE" key, clear the tare weight, the indicator will show the gross weight.

3.5 Accumulation operation

At Zero mode, load weight till stable, Press



go to accumulation

mode, "Total" light on, display" n 001", and then display loaded weight; unload the weight, back to zero, load the second weight again till stable. Press



display"n002" then display the second loaded weight. Repeat it agin and again, maximum 999 times.

Check the accumulation

Press "ON/OFF "key and hold it then press "TOTAL"" key, display "n**", (it is the accumulating times) then show total weight. there are 8 digits totally. It shows the first 4 digits then the last 4 digits. For example, the first 4 digits is"0012", the last 4 digits is "34,56" It means the actual weight is "1234.56"

EXIT the accumulation function



When the indicator show the last 4 digits, Press

hold it, the

indicator show " clr n", it means don't clear the total Weight, Press "PRINT" key to exit it; if you want to clear total weight, Press "ZERO" or "TARE" key, "clrn" change to "clry" it means clear total weight ,then Press "PRINT" to clear the total weight and exit accumulating mode.

3.6 Print

If the weighing is stable, after connect with printer, press" PRINT" can print the weight. Note: at tare mode, print with tare. if negative weight,, can not print. Set C30 for time format.

3.7 Hold

There are two different hold function. Peak hold function and data hold function. And the setting is different accordingly.

C11=3 Automatic hold function C11=0 close hold function.

3.8 COUNT

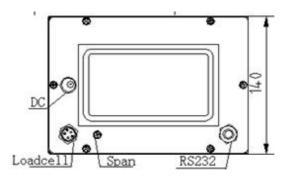
- 1.At weighing mode, load the weights on the platform scales, Press" Count" the indicator show" PCS 0" press" Zero" key input the quantity, press" Print" to confirm it
- 2 . Load the goods on the platform scales, then the indicator will show the quantity.
- 3. Press" Count" back to weighing mode.
- 4. If you want to weigh different goods, at weighing mode, put the sample on the platform scales, press" Count" the indicator show"0" Press "Count" hold it and then press "ON/OFF" the indicator show" PCS 0", press "Zero" input the sample quantity, press "Print" to confirm it. Then repeat the step 2 and 3.

4. Calibration and Parameter setting

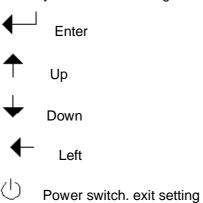
4.1 Enter setting

There have two methods to enter the setting menu:

- 1. when the switch "CAL" is off, press the "PRINT" hold it and then press" HOLD" enter C08-39 setting.
- 2. Take out the sealing screw on the back of indicator, then press "CAL", at the "SPAN" position as below. press "PRINT" hold it and then press "TOTAL" key, enter C01-C39 setting.



The key functions in setting:



4.2. Step of calibration operation:

According to the second method which can enter setting menu, ${\bf C01}\text{-}{\bf C39}$

step	Method of operation	display		Remark	
1		[C01]	After you enter calibration	
				mode, it display [C01]	
2	press◀─	[C01	1]	Weight unit	
		option: 1=kg		option: 1=kg	
		2=lb		2=lb	
3	press◀──	[C02]	Set decimal digits	
	press◀──	[C02	0]	option: 0/1/2/3/4	
	press ↑ or ↓	[C02	2]	Select decimal digit	

			ovample two decimal point
			example: two decimal point: [C02 2]
4		[000 1	
4	press◀	[C03]	Set graduation
	press◀	[C03 1]	option: 1/2/5/10/20/50
	press [↑] or ↓	[C03 5]	Select required graduation
			example: graduation 5: [C03 5]
5	press◀	[C04]	Max capacity
	press◀	[0100.00]	
	press ↑ or ↓/ ←	[0100.00]	example: max weighing 100kg:
			[0100.00]
	press◀	[C05]	Zero calibration
	press◀─	[C05 0]	Option
	press ↑	[C05 1]	0=no need zero calibration
	press◀─	[CAL 9]	1=need zero calibration
6		00000	calibration zero please choose 1 and
		[00.000]	ensure scale is empty and "stable"
			light is on
			Ensure zero calibration, countdown.
			Till show[0.00](example for two
			decimal point)。
7	press◀─	[C06]	calibration
	press◀──	[C06 0]	option:
			0=No need calibration
	press	[C06 1]	1= need calibration
			Load weights on scales
	press◀──	[SPAN]	according to max. capacity.
		[0100.00]	Suggest close to the max
			capacity, at least 10% of max.
			capacity.
	press ↑ or ↓	[0080.00]	
	press ←	[CAL 9]	For example: the weights is
			80kg
		[0080.00]	As bellows:
		[CAL End]	Input the 0080.00, count down,

				then indicator shows 0080.00,			
				calibration is over.			
				If you want to set application			
				function parameter. Press			
				"PRINT" if you want to exit			
			press "TOTAL"				
	press◀─┘	[C07]	Default parameters setting			
8	press◀──	[07	0]	option:0=non-restore default			
	press	[07	1]	parameters			
				1=restore default parameters			
				Note: after the above			
				parameters setting finish, please			
				do not set default parameters to			
				avoid the original setting			
				parameters is lost.			

4.3 Application function parameters setting chart

Function	Setting Item	parameters setting and instruction				
warning	C08	Options: 0 = close warning tone				
tone	warning	1 = open warning tone				
torie	tone					
		option: 0=close auto power off				
		10= power off automatically if no				
Automatic	C09	change within 10 minute.				
	Automatic	30= power off automatically if no				
power off	power off	change within 30 minute.				
		60= power off automatically if no				
		change within 60 minute.				
		LED Version:				
Power saving	C10	option: 0= close power saving setting				
setting	Power saving	3= close display if no change within 3min.				
Setting	setting	5= close display if no change within 5 min.				
		LCD Version:				

	1			
		0=Close he backlight		
		1= backlight when the weight change or		
		press the keyboard		
		2=constant backlight		
		option: 0=close hold function		
		1=Peak hold /2=Data Hold		
	C11	Instruction:		
Hold		Peak-hold: it shows the max. data,		
function	Hold mode	mainly application for materials testing,		
		such as tension and pulling force.		
		Date-hold: it shows current weight value.		
		Mainly application for animal weighing.		
	C12			
Kg/lb	Kg/lb	C12=0 stop kg/lb conversion		
conversion	conversion	C12=1 kg/lb conversion is ok		
	C13			
Upper/lower	Upper limit	You can set it within the max. capacity limit		
limit alarm	alarm value			
	C14			
	Lower limit			
	alarm value			
Inner Code	C15			
display	Check inner	enter C15 to check the inner code		
	code			
	l			

	C16	Enter C16, you can set the date,				
Data and time	Date	from left to right: year/month/day				
Date and time	C17	Enter C17, you can set the time from				
	Time	left to right: hour/min./sec.				
	C18	option: 0= Close serial interface data				
Communication	Serial interface	output				
setting	data output method	1=Continuous sending, connect				
	uata output method	second display				

		0 District 1				
		2=Print method, connect printer.				
		3=Command request method ,				
		connect computer.				
		4=PC continues sending format,				
		connect computer.				
		5=PC/ second display continuous				
		sending format.				
	C19	option:				
	Baud rate	0=1200/1=2400/2=4800/3=9600				
		Option:				
		0= close manually zero setting				
	C20	1=±1% max capacity				
		2=±2% max capacity				
	Manually zero	4=±4% max capacity				
	range	10=±10% max capacity				
7		20=±20% max capacity				
Zero range		100=±100% max capacity				
		option: 0= no initial zero setting				
		1=±1% max capacity				
	C21	2=±1% max capacity				
	Initial zero range	5=±1% max capacity				
		10=±1% max capacity				
		20=±1% max capacity				
		Options:				
		0= close zero tracking				
		0.5=±0.5d				
		1.0=±1.0d				
	C22	2.0=±2.0d				
	Automatically zero	3.0=±3.0d				
	tracking range	4.0=±4.0d				
		5.0=±5.0d				
Zero tracking		Note: 1. d = division				
J		2. the zero tracking range can				

		not bigger than manual zero range.
	C23	Options:
		0= close zero tracking time
	Automatically zero	1= 1 second
	tracking time	2= 2 seconds
		3= 3 seconds
Overload range	C24 Overload range	option: 00= close overload range 01d~99d remark: d=division
Negative display	C25 Negative display range	Option: 0=-9d 10=10% max. capacity 20=20% max. capacity 50=50% max. capacity 100=100% max. capacity
Standstill time	C26 Standstill time	Option: 0= quick 1= medium 2= slow
	C27 Standstill range	Option: 1= 1d 2=2d 5=5d 10=10d D= division

Digital filter C28		option: 0= close dynamic filter			
	Dynamic filter	1=1 digital filter strength			
	Instruction :	2=2 digital filter strength			
	Dynamic filter is	3=3 digital filter strength			
	collecting the data	4=4 digital filter strength			
	filter before loaded	5=5 digital filter strength			
	weight stable.	6=6 digital filter strength			
	When loaded	Note: Pls setting dynamic filter			
	weight easily	strength carefully, the No. is			
	shaking (for	bigger, more stable. if the			
	example animal),	loaded weight shake not too			
	you can set this	much. The setting is less than 3			
	filter to make				
	weight display				
	more stable				
	C29	option: 0=close noise filter			
	Noise filter	1=1 digital filter strength			
		2=2 digital filter strength			
		3=3 digital filter strength			
	C30	C30=0 yy.mm.dd			
	Print time and date	C30=1 mm.dd.yy			
		C30=2 dd.mm.yy			
		C30=3 yy.mm.dd			
Analog output	C31 output type	C31=0 0~5Vouput			
setting		C31=1 4~20mA output			
4~20mA current	C32 calibrate	Refer to 2.5			
calibrate	current				
Relay output	C33 Relay output	C33=0 close relay output			
setting		C33=1 Open relay output function 1			
		C3=2 Open relay output function2			
		C33=3 Preserved menu			

Muti	C34	C34= 0~99 Add. Code
communication	Communication	
add.	add.	
Wireless	C35	C35=0~99 signal
communication		
Gravity of	C36	C36=9.7000~9.9999
calibration		
location		
Gravity of	C37	C37=9.7000~9.9999
destination		
Version No.	C38	
Preserved menu	C39	

5. Output format

5.1 Second display continuous sending format

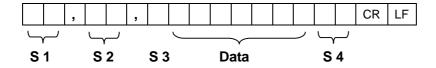
	Output continuous format																
S	S	S	S)	С
Т	W	W	W	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	С	K
Х	Α	В	С													R	S
1	1 2 3 4 5 6				6												

State A									
	Bits0,1,2								
0	1	2	Decimal point position						
1	0	0	XXXXXX0						
0	1	0	XXXXXXX						
1	1	0	XXXXX. X						
0	0	1	XXXX. XX						
1	0	1	XXX. XXX						
	Division								
0		1	X1						
1	X2								

State B					
BitsS	function				
Bits0	gross=0, net=1				
Bits1	Symbol: positive =0,negative =1				
Bits2	Overload(or under zero)=1				
Bits3	dynamic=1				
Bits4	unit: lb=0, kg=1				
Bits5	Constant 1				
Bits6	Constant 0				

State C							
Bit2	Bit2 Bit1 Bit0						
0	0 0 0						
0	0 0 1						
0	0 1 0						
	printing=1						
	Extend						
	display=1						
	Constant 1						
	Constant 0						

5.2 Computer continuous sending format



S1: weight status, ST= standstill, US= not standstill, OL= overload

S2: weight mode, GS=gross mode, NT=net mode

S3: weight of positive and negative, "+" or " -"

S4: "kg" or "lb"

Data: weight value, including decimal point

CR: carriage return

LF: line feed

5.3 Serial interface reception command:

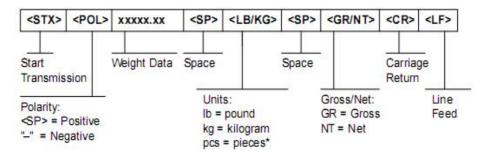
RS232COM serial interface can receive simple ASCII command.

Command word and role as follows:

Command	NAME	Function			
Т	TARE	Save and clear tare			
Z	ZERO	Zero gross weight			

Р	PRINT	Print the weight		
R	G.W/N.W	Read gross weight or net weight		
С	Kg/lb	Kg/lb conversion		
G	G.W	Check gross weight at net weight mode		

R command receive data format



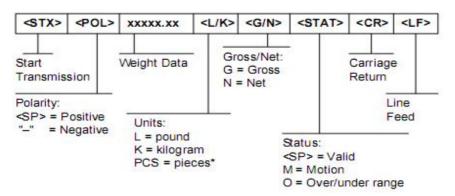
5.4 Print format

ID.NO. 004 (Serial No.)
Date: XX.XX. XX (yy.mm.dd)
Time: XX.XX.XX (hh.mm.ss)

GROSS 8.88kg (gross weight)

TARE 2.88kg (tare)
NET 6.00kg (net weight)

5.5 PC or Second display continuous sending format



6. Maintenance

6.1 Regular error and solution

ERROR	REASON	SOLUTION		
	1. Overload	1. reduce the weight		
	2. wrong connection	2. check load cell connection		
UUUUUU	with load cell	3. inspection load cell. Check		
	3. load cell has quality	the input and output		
	problem.			
	1. calibration is no	1. check scale is resisted or		
	good	not, foot is kept level or not.		
nnnnnnn	2. wrong connection	2. check load cell connection.		
'"""""	3. load cell has quality	3. checking load cell: check		
	problem	input and output resistance to		
		judge it is good or not.		
		Input the correct weights		
ERR1	During calibration, not			
LIXIXI	input the weights or			
	the weight is overload			
		The calibration weights		
ERR2	During calibration, the	Minimum is 10% of Max. cap.		
	weights is below than	Recommend 60%-80% of Max		
	Min. required weights	Сар.		
		1. check the connection is		
	During calibration, the	correct		
ERR3	input signal is	2. check load cell is no		
21110	negative	problem		
		3. recalibration if still wrong		
		change the PCB		

ERR4 During calibration, the signal is unstable		After the platform is stable, start calibration	
ERR5		Change PCB	

6.2 Daily maintain

- 1. Protect the indicator from strong sunlight to prolong the using life
- 2. Good connection between load cell and indicator. Far from away from strong electric field, magnetic field.
 - 3. Power off the indicator when lightning
 - 4. Power off the indicator firstly before plug and unplug

6.3 Restore default parameter

Enter to calibration, Set C07=1. Press" PRINT" then press" TOTAL" to exit saving setting. All parameter will back to default

Note: Pls. do not restore default parameter easily if you are not professional staff or not yet calibrate the scales.

Default parameter

Parameter	instruction	Default		
C01	Calibration	1		
C02	Decimal digits	0		
C03	Resolution	1		
C04	Max. capacity	10000		
C05	Empty calibration	0		
C06	Capacity calibration	0		
C07	Restore default	0		
C08	Warning tone	1		
C09	Power-off automatically	0		
C10	Power saving mode	0		

C12 Prohibit kg/lb conversion 1 C13 Upper limit alarm 000000 C14 Under limit alarm 000000 C15 Inner code 0 C16 Date setting 0 C17 Time setting 0 C18 Serial interface data output 0 C19 Serial interface Baud rate 3 (9600) C20 Zero manually 10 C21 Initial zero 10 C22 Zero tracking range 0. 5 C23 Zero tracking time 1 C24 Overload range 9 C25 Negative range 10 C26 Standstill time 1 C27 Standstill time 1 C28 Dynamic filter 0 C29 Noisy filter 2 C30 Print format 0 C31 Analog signal options 1 C32 4~20mA testing 4 C33 Relay output setting </th <th>C11</th> <th>Hold function</th> <th>0</th>	C11	Hold function	0		
C14 Under limit alarm 000000 C15 Inner code 000000 C16 Date setting 000000 C17 Time setting 000000 C18 Serial interface data output 00000 C19 Serial interface Baud rate 3 (9600) C20 Zero manually 10 C21 Initial zero 10 C22 Zero tracking range 0. 5 C23 Zero tracking time 1 C24 Overload range 9 C25 Negative range 10 C25 Negative range 10 C26 Standstill time 1 C27 Standstill range 2 C28 Dynamic filter 0 C29 Noisy filter 2 C30 Print format 0 C31 Analog signal options 1 C32 4~20mA testing 4 C33 Relay output setting 1 C34 Muti PC commun	C12	Prohibit kg/lb conversion	1		
C15 Inner code C16 Date setting C17 Time setting C18 Serial interface data output 0 C19 Serial interface Baud rate 3 (9600) C20 Zero manually 10 C21 Initial zero 10 C22 Zero tracking range 0. 5 C23 Zero tracking time 1 C24 Overload range 9 C25 Negative range 10 C26 Standstill time 1 C27 Standstill range 2 C28 Dynamic filter 0 C29 Noisy filter 2 C30 Print format 0 C31 Analog signal options 1 C32 4~20mA testing 4 C33 Relay output setting 1 C34 Muti PC communication add. 0 C35 Wireless communication channel 6 C36 Calibration location gravity 9.7936	C13	Upper limit alarm	000000		
C16 Date setting C17 Time setting C18 Serial interface data output 0 C19 Serial interface Baud rate 3 (9600) C20 Zero manually 10 C21 Initial zero 10 C22 Zero tracking range 0. 5 C23 Zero tracking time 1 C24 Overload range 9 C25 Negative range 10 C26 Standstill time 1 C27 Standstill range 2 C28 Dynamic filter 0 C29 Noisy filter 2 C30 Print format 0 C31 Analog signal options 1 C32 4-20mA testing 4 C33 Relay output setting 1 C34 Muti PC communication add. 0 C35 Wireless communication channel 6 C36 Calibration location gravity 9.7936 C37 Destination gravity	C14	Under limit alarm	000000		
C17 Time setting C18 Serial interface data output 0 C19 Serial interface Baud rate 3 (9600) C20 Zero manually 10 C21 Initial zero 10 C22 Zero tracking range 0. 5 C23 Zero tracking time 1 C24 Overload range 9 C25 Negative range 10 C26 Standstill time 1 C27 Standstill range 2 C28 Dynamic filter 0 C29 Noisy filter 2 C30 Print format 0 C31 Analog signal options 1 C32 4~20mA testing 4 C33 Relay output setting 1 C34 Muti PC communication add. 0 C35 Wireless communication channel 6 C36 Calibration location gravity 9.7936 C37 Destination gravity 9.7936 C38 <t< td=""><td>C15</td><td>Inner code</td><td></td></t<>	C15	Inner code			
C18 Serial interface data output 0 C19 Serial interface Baud rate 3 (9600) C20 Zero manually 10 C21 Initial zero 10 C22 Zero tracking range 0. 5 C23 Zero tracking time 1 C24 Overload range 9 C25 Negative range 10 C26 Standstill time 1 C27 Standstill range 2 C28 Dynamic filter 0 C29 Noisy filter 2 C30 Print format 0 C31 Analog signal options 1 C32 4~20mA testing 4 C33 Relay output setting 1 C34 Muti PC communication add. 0 C35 Wireless communication channel 6 C36 Calibration location gravity 9.7936 C37 Destination gravity 9.7936 C38 Version No. check	C16	Date setting			
C19 Serial interface Baud rate 3 (9600) C20 Zero manually 10 C21 Initial zero 10 C22 Zero tracking range 0. 5 C23 Zero tracking time 1 C24 Overload range 9 C25 Negative range 10 C26 Standstill time 1 C27 Standstill range 2 C28 Dynamic filter 0 C29 Noisy filter 2 C30 Print format 0 C31 Analog signal options 1 C32 4~20mA testing 4 C33 Relay output setting 1 C34 Muti PC communication add. 0 C35 Wireless communication channel 6 C36 Calibration location gravity 9.7936 C37 Destination gravity 9.7936 C38 Version No. check	C17	Time setting			
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C23 Zero tracking time 1 C24 Overload range 9 C25 Negative range 10 C26 Standstill time 1 C27 Standstill range 2 C28 Dynamic filter 0 C29 Noisy filter 2 C30 Print format 0 C31 Analog signal options 1 C32 4~20mA testing 4 C33 Relay output setting 1 C34 Muti PC communication add. 0 C35 Wireless communication channel 6 C36 Calibration location gravity 9.7936 C37 Destination gravity 9.7936 C38 Version No. check	C21	Initial zero	10		
C24 Overload range 9 C25 Negative range 10 C26 Standstill time 1 C27 Standstill range 2 C28 Dynamic filter 0 C29 Noisy filter 2 C30 Print format 0 C31 Analog signal options 1 C32 4~20mA testing 4 C33 Relay output setting 1 C34 Muti PC communication add. 0 C35 Wireless communication channel 6 C36 Calibration location gravity 9.7936 C37 Destination gravity 9.7936 C38 Version No. check	C22	Zero tracking range	0. 5		
C25 Negative range 10 C26 Standstill time 1 C27 Standstill range 2 C28 Dynamic filter 0 C29 Noisy filter 2 C30 Print format 0 C31 Analog signal options 1 C32 4~20mA testing 4 C33 Relay output setting 1 C34 Muti PC communication add. 0 C35 Wireless communication channel 6 C36 Calibration location gravity 9.7936 C37 Destination gravity 9.7936 C38 Version No. check	C23	Zero tracking time	1		
C26 Standstill time 1 C27 Standstill range 2 C28 Dynamic filter 0 C29 Noisy filter 2 C30 Print format 0 C31 Analog signal options 1 C32 4~20mA testing 4 C33 Relay output setting 1 C34 Muti PC communication add. 0 C35 Wireless communication channel 6 C36 Calibration location gravity 9.7936 C37 Destination gravity 9.7936 C38 Version No. check	C24	Overload range	9		
C27Standstill range2C28Dynamic filter0C29Noisy filter2C30Print format0C31Analog signal options1C324~20mA testing4C33Relay output setting1C34Muti PC communication add.0C35Wireless communication channel6C36Calibration location gravity9.7936C37Destination gravity9.7936C38Version No. check	C25	Negative range	10		
C28 Dynamic filter 0 C29 Noisy filter 2 C30 Print format 0 C31 Analog signal options 1 C32 4~20mA testing 4 C33 Relay output setting 1 C34 Muti PC communication add. 0 C35 Wireless communication channel 6 C36 Calibration location gravity 9.7936 C37 Destination gravity 9.7936 C38 Version No. check	C26	Standstill time	1		
C29 Noisy filter 2 C30 Print format 0 C31 Analog signal options 1 C32 4~20mA testing 4 C33 Relay output setting 1 C34 Muti PC communication add. 0 C35 Wireless communication channel 6 C36 Calibration location gravity 9.7936 C37 Destination gravity 9.7936 C38 Version No. check	C27	Standstill range	2		
C30 Print format 0 C31 Analog signal options 1 C32 4~20mA testing 4 C33 Relay output setting 1 C34 Muti PC communication add. 0 C35 Wireless communication channel 6 C36 Calibration location gravity 9.7936 C37 Destination gravity 9.7936 C38 Version No. check	C28	Dynamic filter	0		
C31 Analog signal options 1 C32 4~20mA testing 4 C33 Relay output setting 1 C34 Muti PC communication add. 0 C35 Wireless communication channel 6 C36 Calibration location gravity 9.7936 C37 Destination gravity 9.7936 C38 Version No. check	C29	Noisy filter	2		
C32 4~20mA testing 4 C33 Relay output setting 1 C34 Muti PC communication add. 0 C35 Wireless communication channel 6 C36 Calibration location gravity 9.7936 C37 Destination gravity 9.7936 C38 Version No. check	C30	Print format	0		
C33 Relay output setting 1 C34 Muti PC communication add. 0 C35 Wireless communication channel 6 C36 Calibration location gravity 9.7936 C37 Destination gravity 9.7936 C38 Version No. check	C31	Analog signal options	1		
C34 Muti PC communication add. 0 C35 Wireless communication channel 6 C36 Calibration location gravity 9.7936 C37 Destination gravity 9.7936 C38 Version No. check	C32	4~20mA testing	4		
C35 Wireless communication channel 6 C36 Calibration location gravity 9.7936 C37 Destination gravity 9.7936 C38 Version No. check	C33	Relay output setting	1		
C36 Calibration location gravity 9.7936 C37 Destination gravity 9.7936 C38 Version No. check	C34	Muti PC communication add.	0		
C37 Destination gravity 9.7936 C38 Version No. check	C35	Wireless communication channel	6		
C38 Version No. check	C36	Calibration location gravity	9.7936		
	C37	Destination gravity	9.7936		
C39 Reserved menu	C38	Version No. check			
	C39	Reserved menu			

6.4 Packing list

Packing list

S/N	ITEM	NAME	UNIT	QTY	PACKING
1	Weighing indicator		PCS	1	
2	Plastic bag		PCS	1	
3	bag		PCS	1	
		China/DC9V	PCS	1	
		US/DC9V	PCS	1	
4	Adoptor	UK/DC/9V	PCS	1	
4	Adapter	EU/DC9V	PCS	1	
		AU/DC9V	PCS	1	
		OTHERS	PCS	1	
5	USER MANUAL		PCS	1	
6	RS232	3 PIN OR DB9	PCS	1	
7	LOADCELL	5 PIN Quick	PCS	1	
,	PLUG	disconnect		'	
8	Signal cable	Φ5/3 core shield	PCS	1	
8		signal cable		ı	
9	Power cable	3 coreФ0.75mm	PCS	1	
10	Bracket	Wall-mounted	PCS	1	
11	Certificate		PCS	1	
12	Packing list		PCS	1	