

Weighing Indicator

User manual

1: Main function

- » General weighing: Zero / Tare / Total
- » Battery capacity indication
- » Peak hold / hold function / Auto-hold / animal function
- » Power off automatically and power saving function
- » RS232 function can optional by real-time clock

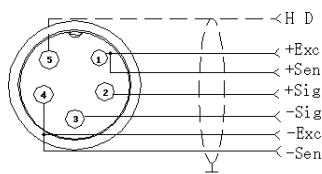
2: Technical parameter

- » Stimulating voltage: +3.3 VDC
- » A/D converting speed: 10 SPS
- » Load signal range: -7~12.8mV
- » Weight unit: kg
- » Resolution: 5000e
- » Interval: 1 / 2 / 5 / 10 / 20 / 50
- » Display: LED
- » Load capacity: it can connect 4 pcs 350Ω (or 8 pcs 700Ω) load cells at most
- » Operation temperature and humidity: -10°C~+40°C; ≤85%RH
- » Built-in power supply 3.7V/2Ah Lithium battery life of 25 hours

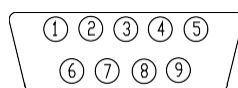
3: Installation and Calibration

3.1 Connection indicator with load cells

It can connect 4 pcs 350Ω (or 8 pcs 700Ω) load cells at most, both four and six line load cell are ok. To make it simple, we use quick connector or standard plug. As right side: quick connector connection.



3.2 Communication inter



PIN2 ----- TXD
PIN3 ----- RXD
PIN5 ----- GND

3.3 Key's function

ON/OFF	Hold	Total	Tare/Zero	Print
Exit	Left	Down	Up	Enter

3.5 TARE/ZERO

When weighing exceed the zero range ($\pm 2\%$) and stable, press “Tare/Zero” to enter into net weighing mode, display net weight zero, Tare and Net light on, Gross light off.

When weighing in the zero range ($\pm 2\%$) and stable, press “Tare/Zero” to back to gross weighing mode, display gross weight zero, Gross light on, Tare and Net light off.

Preset tare: Press “Tare” for 2 seconds and enter the Tare weight to tare function.

3.6 Total

Accumulation operation: At Zero mode, load weight till stable, press “Total” key go to accumulating mode, “total” light on.

Check the total weight operation: Press “Print” hold it then press “Total” at the same time, display “n***”, (accumulating times) then display total weight.

Exit accumulate function: At TOTAL (accumulate) mode, press “Total” key the indicator show “clr n”, press “Tare/Zero” to change to “clr y”, Press “Print” to clear the total weight and exit accumulating mode.

3.7 HOLD

This indicator include about peak hold, hold, auto-hold, animal function, trails of animal function and stable hold function.

- | | |
|----------------------------------|---------------------------------|
| C11=0 “Hold” function unworkable | C11=1 Peak hold |
| C11=2 Hold | C11=3 Auto-hold |
| C11=4 Animal function | C11=5 Trails of animal function |
| C11=6 Stable hold function | |

4: Parameter setting

Parameter	Instruction	Default value
C01	Calibration unit	1
C02	Decimal digits	0
C03	Division value	2
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	3
C11	Hold function	2
C12	Animal hold sample time	5
C13	Upper limit warning	000000
C14	Lower limit warning	000000
C15	Inner code	
C16	Date setting	
C17	Time setting	
C18	Serial interface data output	0
C19	Serial interface Baud rate	3=9600
C20	Manual zero setting	2
C21	Initial zero	10
C22	Zero tracking range	0.5
C23	Zero tracking time	1
C24	Overload range	9
C25	Negative display range	10
C26	Standstill time	1
C27	Standstill range	2
C28	Dynamic filter	1

C29	Noisy filter	2
C30	Print date format	0
C35	Print format	1
C36	Calibration location gravity	9.7936
C37	Destination gravity	9.7936
C38	Version number check	
C39	Multi-interval application	0
C40	Animal scale delay	3

5: Regular error and maintain method

Error	Reason instruction	Solution
Display UUUUUU	1. The loaded weight excess over load range of max. capacity 2. Wrong connection with load cell or no connection with it 3. Load cell unworkable	1. Decrease loaded weight 2. Check load cell connection. 3. Checking load cell: Check input and output resistance to judge it is good or not.
Display nnnnnn	1. Calibration is no good 2. Load cell single line is connect a wrong line 3. The load cell is bad	1. Check scale is resisted or not, foot is kept level or not. 2. Check load cell connection. 3. Checking load cell: Check input and output resistance to judge it is good or not.
ERR5	EEPROM check error	Change PCB.
ERR6	Exceed Zero range	unload weight