

Weighing indicator

USER MANUAL

LIST

1、Instruction	1
1.1 Function feature	1
1.2 Technical parameter	1
1.3 Battery instruction	1
1.4 overall dimension	2
2、Installation	2
2.1 Open - package inspection	2
2.2 Platform connection	2
2.3 Electrical connection	2
2.4 Communication interface	3
3、Basic operation	4
3.1 Operation panel	4
3.2 Key function	5
3.3 Power on	5
3.4 Power off	5
3.5 Zero	5
3.6 Hold	5
3.7 Tare	5
4、Parameter setting	6
4.1 User parameter setting	6
4.2 Communication parameter setting	6

1、 Instruction

1.1 Function feature

- Delicate indicator shape, with steady performance PCB board, is suitable for industrial use or commercial use
- Low power design, longer battery usage time
- 6 digits 20mm high LCD display with backlight
- Perfect function:
 - Low-battery detection and warning, shutdown automatically while under voltage
 - Hold function, lock the weight
 - Idle mode and Automatic power off function
 - Zero and tare function
 - Optional serial output can be connected with big display or PC

1.2 Technical parameter

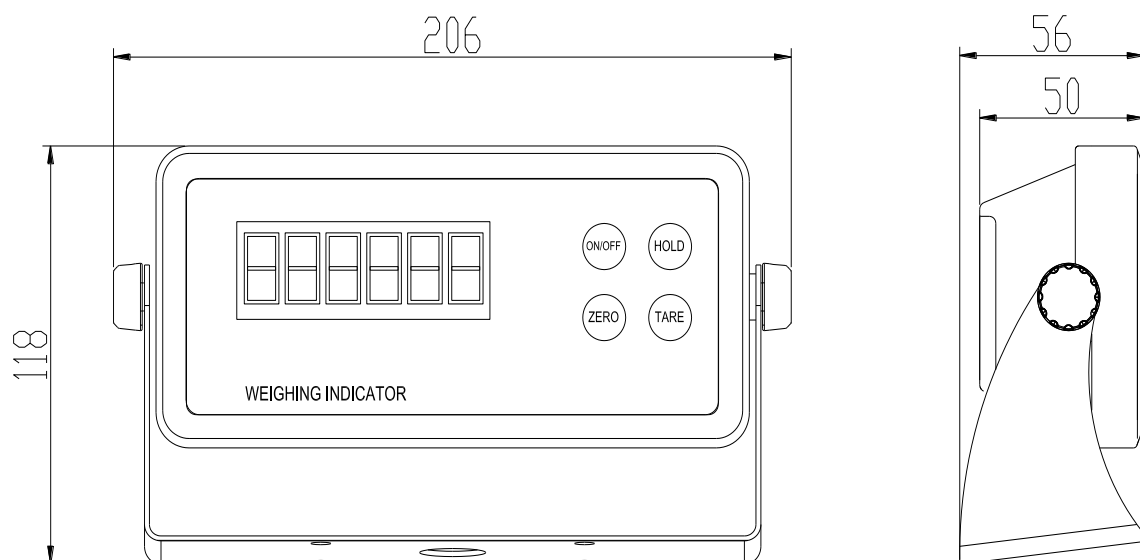
Accuracy class	OIML 
Tare range	100% max. Capacity
Initial zero range	±10% max. Capacity
Manually zero range	±2% max. Capacity
Operation temperature& humidity	-10℃~+40℃; ≤85%RH

1.3 Battery instruction

The indicator use 3 pcs of AA battery and work about 30 hours. If close the backlight mode, the battery can last 100 hours. When Low-battery detection and warns (light up the low battery icon) , please change the battery. If not change in time, it will shutdown automatically.

When use DC power supply, it will not use battery power.

1.4 overall dimension



2、 Installation

2.1 Open - package inspection

Once you open the package, please check all the parts based on the packing list. If there are something missing or broken, please contact with our after-sales department as soon as possible to ensure proper use of the indicator.

2.2 Platform connection

The indicator can connect with 4 pieces of 350Ω load cells at most, use quick disconnect as below:



2.3 Electrical connection

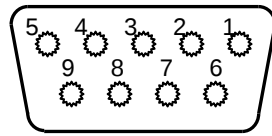
Adaptor power supply: please insert the adaptor to DC connector of the indicator

back cover.

Battery power supply: 3 pieces of 5# battery.

2.4 Communication interface

RS232: Communication interface via DB9 Pin.



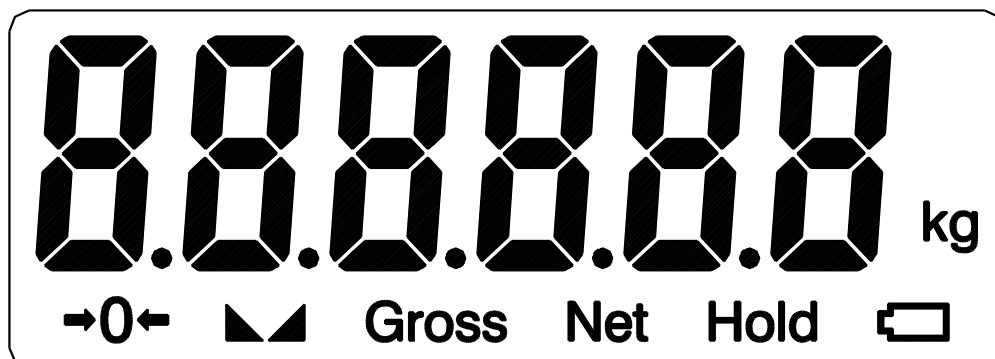
DB9 Pin

DB9 definition :

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

3、 Basic operation

3.1 Operation panel



Display	Instruction
→0←	Weight is zero
	The weighing data is stable
Gross	Gross weight
Net	Net weight
Hold	Data hold
	Low battery
kg	Unit: kg

3.2 Key function

Key	Weighing Mode	Parameter Setting
ON/OFF	Power on/off	Exit
HOLD	Hold	Confirm
ZERO	Zero	Move left
TARE	Tare	Move down

3.3 Power on

Press “ON/OFF” 1 second to power on-self inspection.

If exceed the zero range, it displays [ERR6];Or weighing return to zero.

3.4 Power off

- 1.Press “ON/OFF” 1 second to power off.
2. Auto power-off in low battery.
3. Auto power-off in 10 minutes（see 4.1 OFF to adjust time）without no operation.

3.5 Zero

When weighing in the zero range（ $\pm 2\%$ ）and stable and in gross mode, press ZERO display gross weight zero.

3.6 Hold

When Hold=1, peak hold mode: press HOLD to keep the peak weight, it shows the maximum data, then press HOLD again to release hold function.

When Hold=2, data hold mode: press HOLD to keep the current weigh, and press HOLD again to release hold function or auto release in 15 seconds（see 4.1 Ht to adjust time）.

When Hold=3, auto hold mode: auto keep the current stable weight; Press HOLD to release hold function or auto release in 15 seconds.

3.7 Tare

In stable weighing, press TARE to enter into net weight mode, tare the current weight as tare weight, and displays net weight zero;

Press TARE again, back to gross weight mode, and displays gross weight .

4、Parameter setting

4.1 User parameter setting

Press HOLD and TARE to enter into user parameter setting:

Function	Display	Parameter instruction
Auto power off	OFF 10	=0 close auto power off =10 10minutes auto power off =30 30 minutes auto power off =60 60 minutes auto power off
Back light mode	BL 1	=0 close back light =1 auto Back light =2 stay Back light
Hold function	Hold 1	=0 close hold function =1 peak hold =2 data hold =3 auto hold
Hold time	Ht 1	=0 no time limit =1 15*1second =2 15*2 second =3 15*3 second =4 15*4 second

4.2 Communication parameter setting

Enter into communication parameter setting after finishing user parameter setting.

Function	Display	Parameter instruction
Communication mode	trn 1	=0 close serial communication =1 continuously send =2 manually send =3 command mode
Baud rate	baud 1	=1 9600bit/s =2 4800bit/s =3 2400bit/s =4 1200bit/s =5 600bit/s

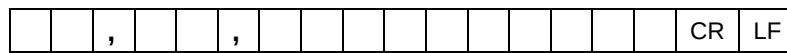
Communication mode instruction:

Continuously send mode: the indicator continuously send the Communication format 1;

Manually send mode: press TARE 1 second to send the Communication format 1 ;

Command send mode: send ASCII R to indicator or hexadecimal 52, indicator back to the Communication format 1;

Communication format 1: (data all use ASCII, upper computer directly recognizes weight as soon as it gets the data.)



- S 1** **S 2** **S 3** **Data** **S 4**
- 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: Uint: “kg”
Data: weight value, including decimal point
CR: Carriage return
LF: Line feed