



USER MANUAL

OP-931 Series

Mini Crane Scale

List

Security Guide	1
1、 Instruction	1
1.1 Function feature	1
1.2 Specification	2
1.3 Battery instruction	2
2、 specification	2
2.1 Model & specification	2
2.2 Installation	3
3、 Basic operation	4
3.1 Key function	4
3.2 Power on	4
3.3 Power off	5
3.4 Zero/tare	5
3.5 Hold function	6
3.6 Units conversion	6
4、 Parameter setting	8
5、 Packing list	9

Security Guide

In order to ensure the accuracy of crane scale, please pay attention to the daily use and maintenance:

- Don't overload, or it will damage the load cell, even worse causing casualties.
- Don't hang the heavy weight on the crane scale, or it will reduce the accuracy, and short the usage life of load cell.
- Please check the hook and ring before using.
- Please check the power frequently; When the crane scale is Low-voltage, please change the battery.
- Please take out the battery if no long-term using.
- Don't use the crane scale in thunderstorm environment.
- Don't repair by yourself, please contact with your local dealer.

1、 Instruction

1.1 Function feature

- Light, handy and portable
- Low power design, longer battery usage time
- 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/tare function

1.2 Specification

Accuracy class



Tare range

2%~100% max. Capacity

Initial zero range

±10% max. Capacity

Manually zero range

±2% max. Capacity

Operation temperature& humidity

-10~+40℃; ≤90%RH

Storage temperature

-40~+70℃

1.3 Battery instruction

The crane scale use 3 pcs of 7# AAA battery and work about 50 hours. If close the backlight mode, the battery can last 80 hours. When Low-battery detection and warns (light up the low battery icon), please change the battery. If not timely change, the crane scale will shutdown automatically.

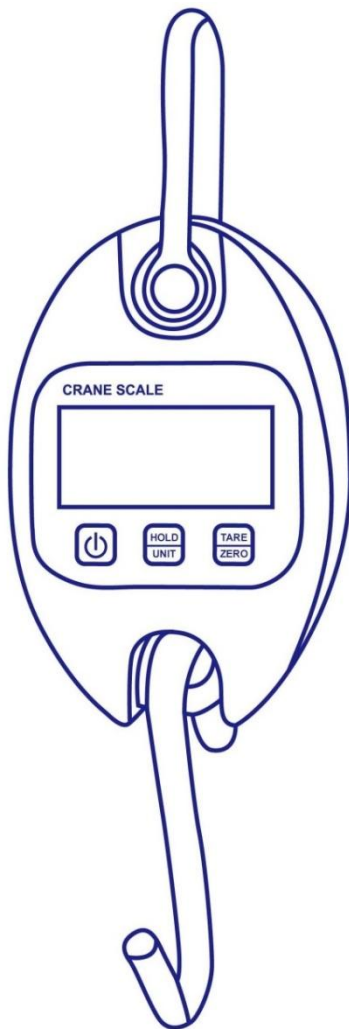
2、specification

2.1 Model & specification

Product No.	Model	Maximum Capacity (kg)	Division (kg)	Outline size W*L*H (mm*mm*mm)	Net weight (kg)
OP-931-003	OCS-M1-003	30	0.01	88*46*268	0.6
OP-931-006	OCS-M1-006	60	0.02	88*46*268	0.6
OP-931-010	OCS-M1-010	100	0.05	88*46*268	0.6
OP-931-015	OCS-M1-015	150	0.05	88*46*268	0.6
OP-931-020	OCS-M1-020	200	0.1	88*46*268	0.6
OP-931-030	OCS-M1-030	300	0.1	88*46*268	0.6


2.2 Installation

Put in 3 pcs of 7# AAA battery, and hang on the hook before using.




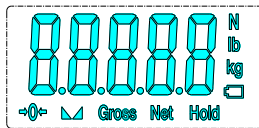
3、 Basic operation

3.1 Key function

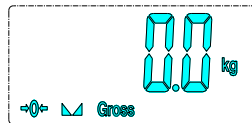
Key /function	Weighing mode	Parameter setting
	Power on/off	Exit
$\frac{\text{HOLD}}{\text{UNIT}}$	Hold/units conversion	Confirm
$\frac{\text{TARE}}{\text{ZERO}}$	Zero/tare	Page down

3.2 Power on

Press  1 second, power On Self Test.



If exceed the zero range, it displays [ERR6], or goes to weighing zero.



3.3 Power off



Press 1 second, the crane scale will power off.

If the battery under voltage, the crane scale power off automatically.

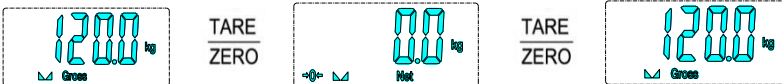
If there is no operation in 10 minutes, the crane scale power off automatically.

3.4 Zero/tare

While the weight is stable and exceed the zero range, press $\frac{\text{TARE}}{\text{ZERO}}$ to enter into net weight mode, then the current weight tare as tare weight, display the net weight

zero; While the weight is stable and in the zero range, press $\frac{\text{TARE}}{\text{ZERO}}$, back to gross weight mode, display gross weight zero.

Tare:



Zero:



3.5 Hold function

While setting Hold=1, press $\frac{\text{HOLD}}{\text{UNIT}}$, realize peak hold function.

While setting Hold=2, press $\frac{\text{HOLD}}{\text{UNIT}}$, hold the current weight 15 seconds; Press $\frac{\text{HOLD}}{\text{UNIT}}$, release hold function.

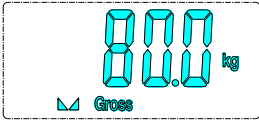


While setting Hold=3, the weight is stable and hold the current weight 15 seconds; Press $\frac{\text{HOLD}}{\text{UNIT}}$, release hold function. Hold time can be setting in Ht parameter.

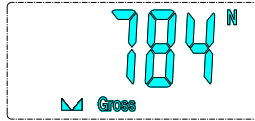
3.6 Units conversion

Press $\frac{\text{HOLD}}{\text{UNIT}}$ 1 second, the units conversion between kg/lb/N. See No. 4 parameter setting (Units conversion: UnS).





HOLD
UNIT



Note: the convert unit still saved after power off.

4、 Parameter setting

Press $\frac{\text{HOLD}}{\text{UNIT}}$ and $\frac{\text{TARE}}{\text{ZERO}}$, enter into parameter setting

Function	Display	Parameter instruction
Automatic power off	OFF 10	=0 close this function =10 power off in 10 minutes =30 power off in 30 minutes =60 power off in 60 minutes
Back light Mode	BL 1	=0 close back light Mode =1 auto back light =2 normally on back light
Units conversion	UnS 1	=0 close Units conversion =1 kg/N conversion =2 kg/lb conversion =3 kg/lb/N conversion
Hold function	Hold 2	=0 close hold function =1 peak hold =2 data Hold =3 auto Hold
Hold time	Ht 1	=0 no time limit =1 15*1 second =2 15*2 second =3 15*3 second =4 15*4 second

5、 Packing list

S/N	Product name	Qty.	Note
1	OP-931 Crane scale	1	
2	AAA Battery	3	
3	User manual	1	
4	certification	1	
5	Carton	1	

Version: 7652PCN031150716