USER MANUAL

Ex-proof Crane Scale

Version: 250311

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1、Instruction

1.1 Function feature

●High intensity hook and ring，professional designed load cell with high safety
●Good weighing　performance，display accurate data quickly
●Advanced technology，reliable circuit，can be long-time used in harsh conditions
●Low power design，longer battery usage time
●Easy operation，with infrared remote control
●Perfect function：

Low-battery detection and warning，shutdown automatically while under voltage

Hold function, lock the weight，

Accumulation function: add accumulation、clear accumulation and check the total accumulation weight.

10 times weight data store, save the data automatically before shutdown

Power saving function, idle mode and Automatic power off function

Preset tare weight function

1.2 Technical parameter

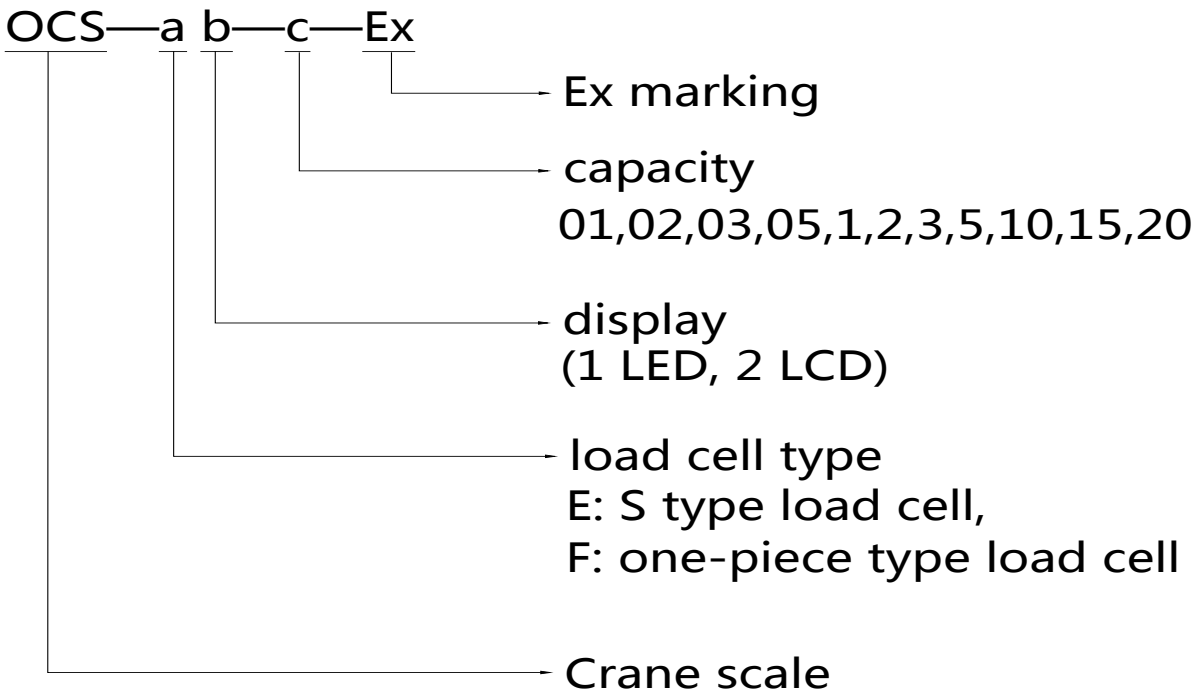
Accuracy class	Ⅲ
Tare range	100% max. capacity
Initial zero range	±10% max. capacity
manually zero range	±2% max. capacity
Operation temperature& humidity	-10℃~+40℃；≤85%RH
Storage temperature	-40℃~+70℃

1.3 Battery instruction

The crane scale use Li-battery and work about 80~150 hours。When Low-battery detection and warns（light up the low battery indicator lamp）, please charge the battery. If not timely charge, the crane scale will shutdown automatically.

Please charge the battery at the safe place. When the charger led turns red to green, the charging is finished (about 8~12 hours).

2、Specification



3、Basic operation

Key function：

Key/ function	Weighing mode	2nd mode	Data input	Parameter setting
	On/Off	Exit		Exit
	Zero	kg/lb unit change(option)	Add 1 to the data	page up
	Tare	Preset tare weight	cursor flashing to the right	
	Hold	Parameter setting	confirm	Enter to next step
	2nd	Calibration mode		
	Accumulate		Reduce 1 to the data	Page down
	Clear last accumulation	Clear all the accumulation	cursor flashing to the right	
	Check the accumulation	Check the battery		
	serial interface send the data once	Set the serial interface		
	Check the last weight	Check the internal code		
	Store the weight			
	Reserve			

3.1 Power on

Press  on the crane scale 1 second，power On Self Test and check with the battery voltage.
If exceed the zero range, it displays [ERR6]，or goes to weighing zero.

3.2 Power off

Press  on the crane scale or remote，check with the battery voltage，then power off.
If the battery under voltage, the crane scale power off automatically.
If there is no operation in 30 minutes, the crane scale power off automatically.

3.3 Zero

In the manually zero range，not stay in hold mode, when stable weighing, press ,then displays zero.

3.4 Tare

In stable weighing, press  to enter into net weight mode，tare the current weight as tare weight，and displays net weight zero；Press  again, back to gross weight mode，and displays gross weight .

3.5 Hold function

Press ， keep the current weighing data；Press  again，then release the hold function.

4、Advanced operation

4.1 2nd Mode

Press ，display [2nd], then press different combination keys to realized with the different function，and press  to exit.

4.2 Accumulation function

Load weight till stable， press ，accumulate the current weight and display[ACC]；If exceed the Upper limit, display [noACC].

Press ,clear the last accumulation data, and display [dEL]；If not, it display [nodEL].

Press ,display [n***], mean the times of accumulation, then display the total weight 3 seconds, and back to weighing mode.

Press , display [2nd]，then press ,clear all the accumulation data, and display [CLEAr].

4.3 Weight display

Press ，display [StorE], save the current weight value.

Press ，display [LASt0]，press  or  to choose different serial Number（current weight save as 0, the first weight save as 9），press ,display the corresponding weight 2 seconds, then back to weighing mode.

4.4 kg/lb convert (option)

Press  display [2nd]，then press ，covert between kg and lb.

4.5 Preset tare weight

Press  display [2nd]，then press ，display [00000]; press combination keys  to input tare weight value，then press  to confirm the input value。After that the crane scale goes to net weight mode.

4.6 Parameter setting

Press  display [2nd]，then press  to enter into system parameter setting: adjust division，delay automatic off，delay idle，filter intensity，display brightness，zero range，stable intensity，hold mode，warning tone, kg/lb conversion. After every operation, please press  to confirm and enter into next step；Press  to exit.

Content	Display	Parameter instruction	Default value
Display division	E	0.02 = 0.02kg/lb 0.05 = 0.05kg/lb 0.1 = 0.1kg/lb 0.2 = 0.2kg/lb 0.5 =0.5kg/lb 1 = 1kg/lb 2 = 2kg/lb 5 = 5kg/lb	1
Automatic power off	oFF	00 = close this function 10 = 10 minutes delay 30 = 30 minutes delay 60 = 60 minutes delay 90 = 90 minutes delay	10

Idle mode [1]	idL	00 = close this function 10 = 10 minutes delay 30 = 30 minutes delay 60 = 60 minutes delay 90 = 90 minutes delay	30
kg/lb conversion	UnS (option)	0 stop kg/lb conversion 1= kg/lb conversion is ok	1
Hold mode	hoLd	0 =close hold function 1 =Peak hold 2 =Data Hold 3 =Auto Hold 4 =Animal scale function	2
Zero range	ZEro	0=close manually zero setting and Initial zero range 1=Initial zero range±10%，manually zero range±2% 2= Initial zero range 100%，manually zero range 100%	1
Filter intensity	FIL	0=close the function 1=weak 2=moderate 3=strong	2
Stable intensity	Stb	0=weak 1=moderate 2=strong	1
Warning tone	beep	0 close warning tone 1 open warning tone	1
Display brightness	LEdb	1=light 2= moderate 3=dark	1
Zero track speed	ZtS	0= no zero tracking 1=±0.5d/s 2=±1d/s 3=±2d/s 4=±5d/s	1

Note: Idle mode is stable weight mode and without any key press; Reduce the display brightness saves the battery power.

4.7 Battery power level checking

Press  display [2nd]，then press 

，display [U 6.**] battery power level 2 seconds，back to weighing mode.

4.8 Internal code checking

Press  display [2nd]，then press ，display internal code，only used in Maintenance and debugging.

Press  display [2nd]，the press ，back to weighing mode.

5、Screen display & Instructions

Screen Display	**Instructions**	**Remark**
Err6	Exceed zero range	Check the crane load or not
U 6.28	Battery power	
uuuuuu	Overload	Reduce the weight
nnnnnn	Lower than the minimum value	
2nd	2nd model，wait for combination key	
oFF	Power off	
ACC	Accumulate	
noACC	Cannot be accumulated	
dEL	Clear the last accumulation value data	
nodEL	Cannot be cleared	
CLEAr	Clear all the accumulation data	
StorE	Save the display value data	
LASt0	Check the weight serial number	

6、Packing list

S/N	Product name	Qty.	Remark
1	Crane scale	1	
2	Charger	1	
3	USER MANUAL	1	