

- First load: LOAD1 must larger than 20% capacity, and LOAD1<LOAD2<LOAD3, at the same time, between LOAD1 and LOAD2. LOAD2 and LOAD3, the interval Must bigger than 20% capacity
- If balance of any point load is less than 20% capacity, after this point load cabliration Finish, the scale will end calibration progress automatically and return.

CHAPTER 5 DISPLAY ILLUSTRATION

SPLAY	ILLUSTRATION	REMARK	
SPLAY	nter zero point calibration		
	nter calibration		
	nter canoration		
-	nter voltage calibration		
	rirst calibration point	LoAd1 <load2<load3< td=""><td></td></load2<load3<>	
	Second calibration point		
	Third calibration point		
	Exceed high limit	Tare weight can't exceed full capacity	
	Exceed low limit	Tare weight can't be negative	
	Waiting Weight less than Min. Capacity	Can't accumulate the value	
	Accumumated times overflow	Can't accumulate after 30times	
	Accumulated weight overflow	Can't accumulate after 99999	
	Error in repeat accumulation	Can't accumulate one weight repeatedly	
	Calibration disable	Manual calibration selected	
	Current accumulation times	Soluciones de	9
no*** H****	Front four digit of accumulated	Total weight-front four digit	а
L****	Weight Rare four digit of accumulated weight	Total weight=front four digit + rare four digit	
[Lr	Ask if you really want to delete accumulated weight	In case error deletion	
no[Lr	Give up deletion		
RARRA	Confirm deletion	(1	
SHI FE		a susight value	
	Input value is too large	When you input tare or weight value	
	Input value is too small	When you input tare or weight value	
noRCC	No any accumulated content	When you check accumulation	
The second second second second	Overload warning	Tare + Net weight exceed full capacity + 9e	
-Lb-	Low battery warning	Turn off automatically one minute later	
11 * **	The voltage of current battery		
End		when parameter setting or calibration ready	
OFF	Turn off		
II CAL	Input value before STB light on		

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2. The capacity you choose relate to division, decimal position, below is detail list:

CAPACITY/DIVISION	FS (CAP)	Id (DIVISION)	Pt (DECIMAL POSITION)
1000kg/0.5kg	10	05	1
2000kg/1kg	02	01	0
3000kg/1kg	03	01	0
5000kg/2kg	05	02	0
10000kg/5kg	10	05	0
15000kg/5kg	15	0.5	0
20000kg/10kg	20	10	0

2. Calibration

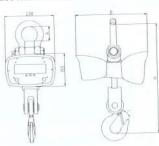
One point calibration program

OPERATION	DISPLAY	ILLUSTRATION
	۵٥	Take Cap=5000kg scale as example. Pay attention that the screen display 0 after hanging tareweight, you can hang tare weight at first, then turn on.
Press [F1] and [F2] at same time 3 seconds		Second digit flash, use function key to move digit, set value.
ress[TARE ZERO CLEAR]	P 1358	Input 1358, 1358 is calibration password
Press [SHIFT]	SCALE	Confirm, into calibration program
Press [SHIFT]	CALSP	No load, the screen display 0, and wait until STI Light on.
Press [SHIFT]	LoRd I	Waiting load
Hanging standard weight 5000kg		Waiting until STB light on.
Press [SHIFT]	5000	Display capacity you choose when parameter Setting, and first digit flash. Waiting until ST light on.
Press [SHIFT]		Confirm
	-oL-	
	End	Calibration end
	50000	Display calibrated capacity, sometimes it display 4999.6,4999.8,5000.2,5000.4.
Press [TARE]	5000	Move decimal position
Put down weight		Light on
Hanging weight 5000kg aga	in 5000	Below is test program to check scale accuracy.
Put down 5000kg weight and hang on 40kg weight	110	40kg is minimum capacity (20e), 50kg,100kg
Put down 40kg weight, hang on 1000kg weight	1000	1000kg is 500e, check accuracy
Put dowm 1000kg weigh	nt	Check zero point

Generally, use one point calibration program, when you find scale linearity is not good, use three points calibration progress as below.

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4.Appearance illustration



MODEL	A(mm)	B(mm)	C(mm)	H(mm)	N. W
			37	460	13kg
OCS-1-S	65	340		10000	13kg
OCS-2-S	65	340	37	460	
OCS-3-S	90	340	45	520	16kg
OCS-5-S	110	360	55	630	26kg
OCS-10-S	120	360	65	770	41kg
-	135	360	95	880	63kg
OCS-15-S		360	95	900	69kg
OCS-20-S	165	300	93	700	

5. Power supply

Battery: 6V/7Ah fully sealed Lead-Acid battery

Adapter: 9VDC/1000mA adapter

Current: the crane scale average current is about DC $100\text{mA} \pm 10\%$, if battery charged, it can be used for about 50hours.

Low battery warning: When the lamp flashes, it means the battery needs to be recharged. The scale will power off automatically after 1 to 2 hours operation if the battery is not charged. Please recharge the battery before operating the scale again.

Charging method: Turn off the crane scale, use adapter in the carton, the lamp on the back cover will become orange when charging, and it will become red when the charging finish.

Generally, charging time should not less than 8hours, the crane scale have charging protection, long time charging can't damage the battery.

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CHAPTER 4

PARAMETER SETTING & CALIBRATION

You can use remote controller to operate parameter setting and cabibration Key function

KEY	FUNCTION
[TARE]	Move digit(the digit choosed flash)
[ZERO]	Set value up
[CLEAR]	Set value down
[SHIFT]	Confirm, exit

1. Parameter setting

♦ TURN ON

OPERATION	DISPLAY	ILLUSTRATION
Press[08/0FF]3 seconds	88888	Display two times
	Ert	Display two times
	6000	New scale, the screen display 6000, if scale calibrated, the screen display capacity.
	U 6**	Display current battery voltage
		Wait stable
	0	Display zero point, generally "STB" light on

Generally, battery voltage should higher than \$\text{U}\$ 580, lower than \$\text{U}\$ 690 if the \$\text{Line in parameter setting and calibration process, it used for move digit (the digit choosed flash).

◆ PARAMETER SETTING

OPERATION	DISPLAY	ILLUSTRATION
	P0000	Second digit flash, use function key to move digit, set value.
Press[TARE ZERO CLEAR]	P8088	Input 8088,8088 is parameter setting password
Press [SHIFT]	SELUP	Confirm, enter parameter setting program
Press [TARE]	F5:06	New scale, the screen display FS=06, if scale calibrated, the screen display capacity.
Press 【ZERO】 or 【CLEAR】 to choose	F5:05	Choose capacity, the screen display 02/03/05/ 06/10/15/20/30/50/60/75 circularly, take Cap=5000kg as example, choose FS=05
Press 【TARE】 confirm	18:05	Calibrated, the screen display calibrated division
Press 【ZERO】 or 【CLEAR】 to choose	14:02	Choose division, the screen display 01/02/05/ 10/20 circularly. 5000kg scale division is 0.2kg. so choose ld=02
	PE: 0	New scale, the screen display Pt=0, if scale calibrated the screen display calibrated decimal position

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4. REMOTE CONTROLLER





Press any key on the remote controller, the lamp on the controller will flash.

Key function:

a. In weighing status, When crane scale switch on with no load on the hook, but there are small digits on screen, press this key to obtain the zero reading. b. In parameter setting and calibration process, it used for set value up.

a. In weighing situation, used for function shift, or used with other key to more function. b. In parameter setting and calibration process, it used for confirm setting.

a. In weighing situation, used for clear accumulation.

b. In parameter setting and calibration process, it used for set value down.

It used for accumulation function, details see Chapter 3-5.

Function Key- used with F2 together, Press F1 solely, it will regulate brightness of LED-

Function Key. used with F1 together.

8. HOLD

It used for hold function, detals see Chapter3-4.

Turn off the crane scale.

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SAFE OPERATION GUIDE:

- 1. The capacity of crane scale have been showed on the overlay, Don't make lifts beyond rated capacity of the crane scale.
- 2. Operators should not maneuver a loaded crane scale over personnel.
- 3. The scale must be routinely checked for operation. Don't operate if hook shackle, eling, cable, etc show any sign of defects or excessive wear.
- 4. If the scale is not going to be used for long time, recharging the battery every three months to preserve the life-span of the battery and recharge it before operation.
- 5. The battery charger is included in the scale package. Please use this charger, It's normal that the charger will become warm when the battery is charging.
- 6. Please note when the screen flash, it means that the battery needs to be recharged. D

CHAPTER 6 TROUBLESHOOTING GUIDE

- 11	Reason	Solution
Trouble	Battery damaged	Check battery
No display when turn on	Dettery contact loosed	Tighten the contact
	I hottery	Recharge the battery
Display flash	LOW Dattery	Check&clean the key
Can't trun on &off	FTARE I key damaged	Check&clean the key
Can't tare	The recharger damaged	Check the recharger
Recharge indicator light can't turn on	The recharger isn't plugged ready	Insert plug again
	The load is unstable	Stablize the load
	Loadcell cable damaged	Check and replace loadcell
Display isn't stable	The scale in damp environment for a long time	Put the scale in dry environment
	No enough time for heating	
The display don't show "0" when empty load	Put the scale on ground	Scale should be hung
un de seria lorga	The scale isn't hung properly	Check the scale and sling
The error is large	Battery damaged	Replace battery
Battery can't recharge	Outlet damaged	Replace the outlet
Remote distance	Receiver window is too dirt	y Check and clean
Shortened	low battery of controller	Replace controller battery

Soluciones de pesaje y equipos para alimentos

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CHAPTER 1

FEATURES AND SPECIFICATION

1. Features

♦ Multi-weighing units:

Kg, lb, N are selectable, generally kg are default unit.

♦ Multi-function operation:

Tare; Zero; Auto zero tracking: Total; Hold; Overload warning and record, Calibration through remote controller, etc functions.

♦ User-friendly design:

Cast aluminium housing for maximum protection; Large red 5 digit LED display (digit height 30mm); Safety factor up to 4 times capacity; Battery Operated with low battery indication; Automatic turn off, power-saving function.

2. Main technical data

Standard	According to OIML class III			
Display	30mm (1.2") 5digits LCD/LED		0 10 1	
Power on Zero Range	4% F.S.			
Manual Zero Range	20% F.S.		, , ,	
Tare Range	100% F.S.			
Stable Time	≤10 seconds			
Overload Indication	100% F.S. + 9e			
Max. Safety Load	125% F.S.	Colum	ionoc	do n
Ultimate Load	400% F.S.	Solut	ciones	ae h
Battery Life	≥70 hours	eauin	os pai	ra ali
Battery Type	Fully sealed Lead-Acid battery, 6V/7Ah	odaile	noo ba	CA CATT
Adapter	DC9V/1000mA			
Operating Temp.	-10°C ~ +40°C(14° F~104° F)			
Operating Humidity	≤85% RH under 20°C			
Remote Controller Distance	Min. 15m			
Battery of Remote Controller	Battery: SIZE AAA, 1.5V × 2			

3.Specification

MODEL	Max. Capacity (Kg)	Min. Weigh (Kg)	Division (Kg)	Total display counts (n)
OCS-1-S	1000	10	0.5	2000
OCS-2-S	2000	20	1	2000
OCS-3-S	3000	20	1	3000
OCS-5-S	5000	40	2	2500
OCS-10-S	10000	100	5	2000
OCS-15-8	15000	100	5	3000
OCS-20-S	20000	200	10	2000

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◆ Three points calibration program

OPERATION	DISPLAY	ILLUSTRATION		
	00	Take Cap=1000kg scale as example. Pay attention hat the screen display 0 after hanging tare weight, you can hang tare weight at first, then urn on.		
Press [F1] and [F2] at same time 3 seconds	PUUUU	Second digit flash, use function key to move digit, set value.		
Press[TARE][ZERO][CLEAR]		Input 1358. 1358 is calibration password		
Press [SHIFT]		Confirm, into calibration program		
Press [SHIFT]	CALSP	No load: the screen display 0, and wait until STB and ZERO light on.		
Press [SHIFT]	LoRd I	First load calibration		
Hanging on first load 200kg		Suppose first load is 200kg, wait until STB light on.		
Press [SHIFT]	10000	Display capacity, and first digit flash		
Press[TAREMZEROMCLEAR]	2000	Input 200kg. wait until STB light on.		
Press [SHIFT]				
	LoRd2	Second load calibration		
Hanging on second load 500kg		Suppose second load is 500kg, wait until STB light on.		
Press [SHIFT]	0400.0	Display second minimum load, equal to first load plus 20% capacity, and first digit flash.		
Press[TARE][ZERO][CLEAR]	05000	Input 500kg. wait until STB light on.		
Press [SHIFT]				
	LoAd3	Third load calibration		
Hanging on third load 1000kg		Suppose third load is 1000kg, wait until STB light on.		
Press [SHIFT]	סססרס	Display third minimum load, equal to second load plus 20% capacity, and first digit flash.		
Press[TARE] ZERO] CLEAR	1 10000 -oL-	Input 1000kg. wait until STB light on.		
	End	Calibration end		
	00000	Display calibrated capacity, sometimes it display		
Press [TARE]	10000	Move decimal position		
Put down weight	00	Check zero point, it displays 0.0, and STB, ZERO light on.		
Hanging on 1000kg weight again				
Put down 1000kg weight, hang on 10kg weight	100	10kg is minimum cap (20e), 20kg is also acceptable		
Put down 10kg weight, hang on 250kg weight	2500	250kg is 500e, check accuracy		
Put down 100kg weight		Check zero point		

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	OPERATION	DISPLAY	ILLUSTRATION
Ì	Press 【ZERO】 or 【CLERA】 to choose	PE: O	Choose decimal position, the screen display 0/1/2/3 circularly, 0=xxxxx, 1=xxxx.x, 2=xxx.xx, 3=xx.xxx. Cap.5000kg scale choose Pt=0
	Press [TARE] to confirm	R6:24	Display zero range, A:zero range by hand;b:zero range automatically, 0-5 total 6 options: 0=0%F.S; 1=2%F.S;2=4%F.S;3=10%F.S;4=20%F.S;5=50%F.S, Generally. Don't change this parameter.
1	Press [TARE] to confirm	Cd= 11	New scale: the screen display Cd=11: if scale calibrated: the screen display calibrated value.
	Press 【ZERO】 or 【CLEAR】 to choose	[d=11	C: zero-tracking range, 0-5 total 6 options; 0=0d; 1=0.5d; 2=1d; 3=1.5d; 4=2d; 5=2.5d d: display speed, 0-2 total 3 options; 0=slow; 1=average; 2=fast; before calibration, set Cd=00,after calibration, set Cd=11 again, generally choose Cd==11 when ex-stock
	Press [TARE] to confirm	LL: 2	New scale, the screen display LL=2, if scale calibrated, the screen display calibrated value.
	Press [ZERO] or [CLEAR] to choose	LL= I	LL: filter parameter. 0-5 total 6 options. from smallest to biggest. before calibration, set LL=0, after calibration, set LL=1 again, generally choose LL=1 when ex-stock.
	Press [TARE]	Un= 0	cantilated, the selecti display cultivates and
	Press 【ZERO】 or 【CLEAR】 to choose	Un= 0	dilli. Generally, encour
2 n	Press [TARE]	OFF I	caribrated, the sereet display currents
	Press [ZERO] or [CLEAR] to choose	OFF2	Choose turn off method, 0~2 total 3 options; 0: turn off by hand; 1: if no operation, the screen Display after 15minutes to save power; 2: if no operation, the screen display after 15minutes, and turn off automatically after 60minutes. Generally, choose OFF=2 when ex-stock.
	Press [SHIFT]	End	Confirm above parameter setting, Exit parameter setting program.

If you find mis-operation before end. Press [TARE], the screen will display
parameter setting circularly, correct error, if you find mis-operation after Parameter
setting program end. you have to enter parameter setting program again to correct.

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CHAPTER 3 OPERATION GUIDE

express key on scale front panel, [] express key on remote controller.

1. Turn on/off

♦TURN ON

Press $\fbox{ON/OFF}$ three seconds, the screen display as follows:

OPERATION	DISPLAY	ILLUSTRATION
(ON/OFF)	88888	Display two times
	Ert	Display two times
	10000	Display capacity
	U 6**	Display current battery voltage
		Waiting stable
	Ω	"STB" light on, you can weigh now

◆TURN OFF

1	Press ON/OFF three seconds.	-1
2	Press [OFF] three seconds.	-14
3	Choose turn off method when parameter setting, the scale will Display after no operation at 15minutes to save pow and it will turn off automatically after 60minutes.	ver,
	and it will turn off automatically after commutes.	

2. Zero

	OPERATION	DISPLAY	When scale turn on, generally scale Displays	nes d	e pi
- 12	- tarnol	0	[] if display small digits when no load,		- 1-
-1	Press 【ZERO】		press this key.	para	alli

3. Tare

◆TARE DIRECTLY

	OPERATION		After turn on, hanging tare weight such as sling,
1	Press (TARE)	0	cable at first, press this key, "TARE" light on,
2	Press [TARE]	0	then the scale will display net weight of the goods

♦SET TARE WEIGHT IN ADVANCE

OPERATION	DISPLAY	ILLUSTRATION
[SHIFT] [TARE]	00000	Current tare weight
[TARE]	00000	Move digit, digit flash if choosed
[ZERO] or [CLEAR]	- ***	Set known tare weight
[SHIFT]	- ***	Exit, "TARE" light on, it displays minus tare weight, after hanging on goods, it will display net weight of goods.

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4. Hold

Tota	
OPERATION	ILLUSTRATION
Press [HOLD]	Hold the weight reading
Press [HOLD]	Resume weight

5. Accumulation

OPERATION	DISPLAY	ILLUSTRATION
Press [ACCU]	00***	Current accumulation times
Tiess kitecos	H****	Rear four digits of total value
	1 ****	Front four digits of total value

After display above contents two times, the scale will return automatically, you also can press [SHIFT] to return.

6. Accumulation search

OPERATION	DISPLAY	ILLUSTRATION
[SHIFT] [ACCU]	00***	Current accumulation times
Lamira Litera	****	Current weight reading
	H****	Rear four digits of total value
	1 ****	Front four digits of total value
	****	Return

Press [TARE] and [ZERO] can forward or backward to check different times accumulation value or current weight value

7. Clear

	OPERATION	DISPLAY	ILLUSTRATION
	[CLEAR]	[Lr	
ne	CLEAR)	no[Lr	Cancel clear
, loc	[SHIFT]	88888	Confirm clear

8. Battery voltage check

OPERATION	DISPLAY	ILLUSTRATION
[SHIFT] [FI]	U ***	Display current battery voltage
[SHIFT]	-	Return

9. Brightness

OPERATION	ILLUSTRATION
[F1]	1~5 total 5 options,1:darkhess;5:brightness;(default value is 3)

10. Zero show

OPERATION	ILLUSTRATION	
[SHIFT] [ZERO]	Display current zero point	

11.Unit switch

OPERATION		ILLUSTRATION	
[SHIFT]	[HOLD]	Unit switch, Un=0, "kg" light on.	Un=1, "lb" light on

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