OCS-S High Resolution Digital Crane Scale



User Guide

Content

I. Safety Guide	l
2. Features	1
3. Specifications	2
4. Capacity	2
5. Dimension & Weight	
5. Display & Keys	
Scale Keys	
Indicators	
Message	
7. Operations	
Power On/Off	
Zero	5
Tare In/Out	
Lock/Unlock	б
Unit Switch	б
8. User Setup	5
Auto-Off Timing	
Backlight Brightness	
Idle Mode Timing	
9. Battery Maintenance	3
10. Troubleshooting	

Version: V1.0A-1

Please read this manual carefully before using.

1. Safety Guide

For good performance and precise measurement, be careful with daily operation and maintenance.

- ① Do NOT overload scale. This will damage loadcell and void warranty.
- ① Do NOT leave load hung on the scale for long. This will decrease scale's accuracy and shorten loadcell's life.
- i Inspect shackle and hook before using. Check clips, pins and screws regularly.
- (i) Check battery frequently. When scale runs out of power, replace the dead batteries with new ones.
- (i) Rotate load rather than scale if needed.
- (i) Do NOT use scale under thunder or rain.
- (i) Hang scale on shelf in dry and well-ventilated room. Do NOT place scale on the ground directly.
- **(i)** Do NOT attempt to repair scale yourself. Contact your local representative.

2. Features

This scale is a combination of sound and proven mechanical design, with today's most advanced electronics to provide a superb feature set. It is versatile, reliable, accurate and easy to operate.

- Superb Quality. Strictly in accordance with OIML R76, Chinese GB/T11883-2002 national standards, and European CE directives.
- ☑ Great Safety. Aluminum-casting case, high firm hook and

- shackle, dedicated weighing loadcell for safety installation.
- Strong Reliability. Cutting-edge technology, quality integrated circuit for high performance and long-time stability.
- **Broad Applicability**. Popular and applicable in storage, textile, metallurgy industry, and so forth.
- **Complete Function**. Resolution switch, unit conversion, auto power-off, battery inspection, etc.

3. Specifications

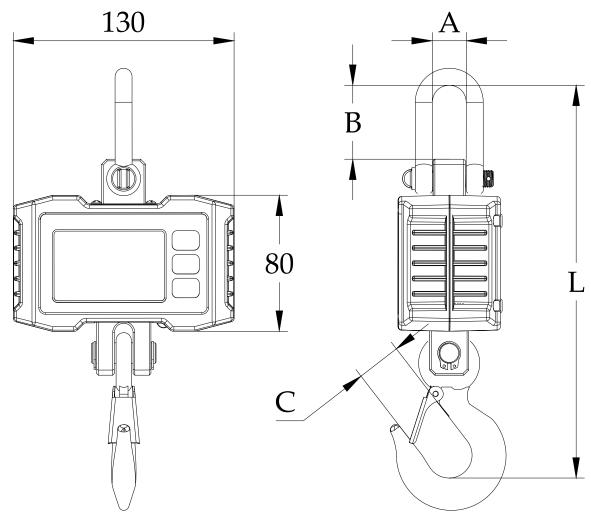
Accuracy	Chinese GB/T 11883-2002 CIII eqv. OIML R76
Tare Range	100% F.S.
Zero Range	4% F.S.
Stable Time	≤10sec
Overload	100% F.S. + 9e
Safety Load	120% F.S.
Ultimate Load	400% F.S.
Battery	3*AA 1.5V batteries.
Pattowy Life	≥65hour (tested by dedicated batteries,
Battery Life	backlight level 3, always lit)
Display	22mm/11mm HTN LCD with backlight
Op. Temp.	-10°C ~ +40°C
Op. Humidity	20°C ≤90%

4. Capacity

Modal	Мах. Сар.	Min. Cap.	Res.	Division
OCS-01-S	100kg	1kg	0.05kg	2,000
OCS-02-S	200kg	2kg	0.1kg	2,000
OCS-03-S	300kg	2kg	0.1kg	3,000

OCS-05-S	500kg	4kg	0.2kg	2,500
OCS-1-S	1,000kg	10kg	0.5kg	2,000

5. Dimension & Weight



Modal	A/mm	B/mm	C/mm	L/mm	N.W./kg
OCS-01-S	20	43	25	220	1.0
OCS-02-S	20	43	25	220	1.0
OCS-03-S	20	43	25	220	1.0
OCS-05-S	20	43	25	220	1.0
OCS-1-S	20	43	27	230	1.4

6. Display & Keys

Scale Keys

Key	Name	Function
On/Off		Short pressing: Cancel & return to
		weighing mode
		Long pressing: Power-on / Power-off
Tare		Short pressing: Tare in/out; Increase digit
		Long pressing: Zero / Move digit
		Short pressing: Lock/unlock; Confirm &
HOLD	TT 11	next
UNIT	Hold	Long pressing: Unit Switch / Input
		decimal point

Indicators

LED	Name	Note
5	Stable	shown when weight is stable
7	Zero	shown when weight is at zero
T	Tared	shown when scale is tared
14	Hold	shown when scale is locked
LB	lb	shown when unit is lb
K 5	kg	shown when unit is kg
LIN	UN	shown when unit is User Unit

Message

Message	Stand for	Note
••••		detect weight

-		in Idle Mode
SEŁUP	SETUP	User Setup Menu
P8F 33	BATtery	battery life percentage
End	END	save and exit
oFF	OFF	power off
ouEr	OVERload	overloading
Err	ERRor	invalid operation

7. Operations

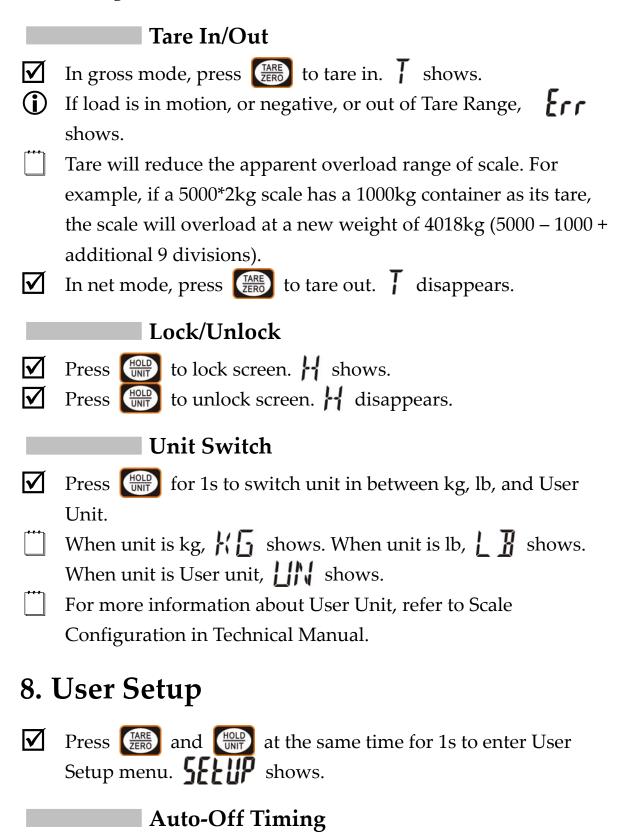
Power On/Off

- Press of for 1s to power-on scale. Scale perform initialization and power-on test, shows twice, then capacity shows, battery life percentage back 33 shows, weight detection shows and then auto zero.
- For information about Auto-Zero, refer to Scale Configuration in Technical Manual.
- Press of for 1s to power-off scale. Battery life percentage shows, off message of shows, and then cut off power.
- When 3 batteries voltage is lower than 3.2V, scale will auto power-off itself. Please replace the dead batteries with new ones.

Zero

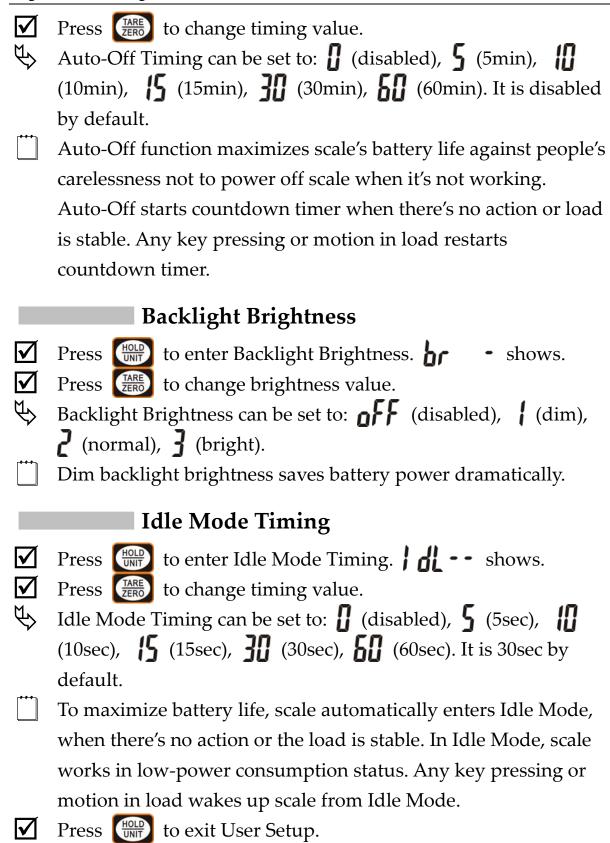
- Press for 1s to zero. 7 shows.
- (i) If load is in motion, or tared, or out of Manual-Zero Range, shows.
- For information about Manual-Zero Range, refer to Scale

Configuration in Technical Manual.



Press to enter Auto-Off Timing. off - shows.

Page 6 of 9



9. Battery Maintenance

To maximize battery life, please note the following battery maintenance guide.

- **(i)** This scale is powered by a 3 AA 1.5V batteries.
- **(i)** Battery house can be opened by screwing off 2 screws.
- (i) Depending on backlight brightness and idle mode setting, battery works over 65 hours.
- in order to conserve battery life, enable Auto-Off and Idle Mode, dim backlight brightness.
- To obtain maximum service life, battery should be stored between -20°C (-4° F) and +50°C (122° F). Stored batteries should be recharged every three months.
- (i) When 3 batteries voltage is lower than 3.2V, scale will auto power-off itself. Please replace the dead batteries with new ones.

10. Troubleshooting

Simple problems can be resolved as below listed solution. If problems still exist, please contact your local representative.

Symptom	Possible Cause	Suggested Solution
not power-on after is pressed	discharged /	check battery and
	defective battery	replace
	defective On/Off	press harder and keep
	key	pressing for 2s
	defective power	open front panel,
	cable	check power cable

	defective mainboard	contact representative
backlight flashes	discharged battery	replace battery
no action	scale is disturbed	re-plug power cable
taken after key pressed	defective key	contact representative
	load in motion	keep load stable
weight	weak Anti-Motion	change Anti-Motion level
reading not	damped loadcell or	dry loadcell or
stable	mainboard	mainboard
	defective mainboard	contact representative
weight	discharged battery	replace battery
reading not zero when	load-cell stressed too long	hang scale in storage
no load	loadcell drifts	contact representative
lawaa awaa in	scale not zeroed before applying load	Manual Zero scale before loading
large error in	wrong unit	switch to correct unit
weight reading	scale requires calibration	calibrate scale
	defective loadcell or mainboard	contact representative