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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.

2. Features

- This scale is a combination of sound and proven mechanical design, with todays 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

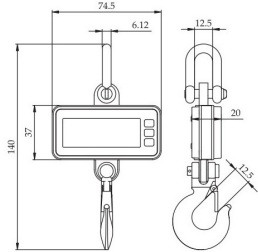
Accuracy	Chinese GB/T 11883-2002 Class eqv. OIML R76
Tare Range	100% F.S.
Auto Zero	± 20% F.S.
Manual Zero	± 4% F.S.
Stable Time	≤ 10sec
Overload	100% F.S. + 9e

High Resolution Digital Crane Scale		User Guide
Safety Load	120% F.S.	
Ultimate Load	400% F.S.	
Battery	4*AA 1.5V batteries	
Display	25.4mm (1inch) ultra-bright LED	
Op. Temp.	-10°C ~ +40°C	
Op. Humidity	20°C ≤90%	

4. Capacity

Model	Max. Cap.	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



6. Display & 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
	Hold	Short pressing: Lock/unlock; Confirm & next Long pressing: Unit Switch; Input / cancel decimal point

Remote Keys		
	Zero	Same as long pressing
	Tare	Same as short pressing
	Hold	Same as short pressing
	Acc.	Accumulate weight Decrease flashing digit
	Del.	Delete last weight Clear all weight Left scroll flashing digit
	F1	View Input / cancel decimal point
	F2	Unit Switch
	Off	Long press to power off Return to weighing mode
	2nd	2nd function

Indicators		
LED	Name	Note
STB	Stable	Lit when weight is stable
ZERO	Zero	Lit when weight is at zero
TA R	Tared	Lit when scale is tared

HOLD	Hold	lit when scale is locked
lb	lb	lit when unit is lb
kg	kg	lit when unit is kg

Message		
Message	Stand for	Note
-----		detect weight
SETUP	SETUP	User Setup Menu
bAt99	BATery	battery life percentage
End	END	save and exit
oFF	OFF	power off
ouEr	OVERload	overloading
Err	ERRor	invalid operation
Acc	ACCumulate	accumulate weight
dEL	DELeTe	delete last weight
CLr	CLear	delete all weight

7. Operations

Power On/Off

- Long press to power-on scale. Scale perform initialization and power-on test. **88888** shows twice, then capacity **000** shows, battery life percentage **bAt99** shows, weight detection **-----** shows and then auto zero.
- For information about Auto-Zero, refer to Scale Configuration in Technical Manual.
- Long press or to power-off scale. Battery life percentage **bAt99** shows, off message **oFF** 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

- Long press , or press , to zero. **└** shows.
- For information about Manual-Zero Range, refer to Scale Configuration in Technical Manual.

Tare In/Out

- In gross mode, press , or press , to tare in. **T** shows.
- Tare will reduce the apparent overload range of scale. For example, if a 500*0.2kg scale has a 100kg container as its tare, the scale will overload at a new weight of 401.8kg (500 / 100 + additional 9 divisions).
- In net mode, press , or press , to tare out. **T** disappears.

Lock/Unlock

- Press or to lock screen. **H** shows.
- Press or again to unlock screen. **H** disappears.

Accumulate

- Press to accumulate current weight.
- Acc** shows, indicating weight is accumulated. Scale uses displayed weight, so gross or net weight is added into the same accumulator.

View

- Press to enter View mode.
- Display flashes accumulated weight.
- Press or to view high 5-digit or low 5-digit.
- Press or to exit View mode.

Delete Last Weight

- Press to delete last accumulated weight.
- dEL** shows, indicating last accumulated weight is deleted. Delete function only deletes the last weight.

Clear All Weight

- Press first and then press to clear all accumulated weight.
- CLr** shows, indicating all weight is cleared.

Unit Switch

- Long press or press , to switch unit in between kg, lb, and User Unit.
- When unit is kg, **Kg** shows. When unit is lb, **Lb** shows.
- When unit is User unit, **UPl** shows.
- For more information about User Unit, refer to Scale Configuration in Technical Manual.

8. User Setup

- Press first and then press or to enter User Setup menu. **SETUP** shows.

Auto-Off Timing

- Press or to enter Auto-Off Timing. **oFF--** shows.
- Press or press or , to change timing value.

- Auto-Off Timing can be set to: **0** (disabled), **5** (5min), **10** (10min), **15** (15min), **30** (30min), **60** (60min). It is disabled by default.
- Auto-Off function maximizes scale's battery life against peoples carelessness not to power off scale when its not working.
- Auto-Off starts countdown timer when theres no action or load is stable. Any key pressing or motion in load restarts countdown timer.

Display Brightness

- Press or to enter Display Brightness. **br -** shows.
- Press or press or , to change brightness value.
- Display Brightness can be set to: **oFF** (disabled), **1** (dim), **2** (normal), **3** (bright).
- Dim display brightness saves battery power dramatically.

Idle Mode Timing

- Press or to enter Idle Mode Timing. **i dL --** shows.
- Press or press or , to change timing value.
- Idle Mode Timing can be set to: **0** (disabled), **5** (5sec), **10** (10sec), **15** (15sec), **30** (30sec), **60** (60sec). It is 30sec by default.
- To maximize battery life, scale automatically enters Idle Mode, when theres no action or the load is stable. In Idle Mode, scale works in low-power consumption status. Any key pressing or motion in load wakes up scale from Idle Mode.
- Press or to exit User Setup.

9. Battery Maintenance

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

- This scale is powered by a 4 AA 1.5V batteries.
- Battery housess at the rear of scale can be opened by screwing off screws.
- In order to conserve battery life, enable Auto-Off and Idle Mode, dim display brightness.
- When 4 batteries voltage is lower than 3.5V, 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 / defective battery	check battery and replace
	defective On/Off key	press harder and keep pressing for 2s
	defective power cable	open front panel, check power cable
display flashes	defective mainboard	contact representative
	discharged battery	replace battery
no action taken after key pressed	scale is disturbed	re-plug power cable
	defective key	contact representative
weight reading not stable	load in motion	keep load stable
	weak Anti-Motion damped loadcell or mainboard	change Anti-Motion level
		dry loadcell or mainboard

weight reading not zero when no load	defective mainboard	contact representative
	discharged battery	replace battery
large error in weight reading	loadcell stressed too long	hang scale in storage
	loadcell drifts	contact representative
	scale not zeroed before applying load	Manual Zero scale before loading
	wrong unit	switch to correct unit
	require calibration	calibrate scale
	defective loadcell or mainboard	contact representative