VEVOR®

TOUGH TOOLS, HALF PRICE

Technical Support and E-Warranty Certificate
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INDUSTRIAL CRANE SCALE

MODEL: OCS-S1

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NEED HELP? CONTACT US!

Have product questions? Need technical support? Please feel free to contact us:

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This is the original instruction, please read all manual instructions carefully before operating. VEVOR reserves a clear interpretation of our user manual. The appearance of the product shall be subject to the product you received. Please forgive us that we won't inform you again if there are any technology or software updates on our product.

GENERAL SAFETY RULES

Symbol	Symbol Description
	Warning - To reduce the risk of injury, the user must read the instructions manual carefully.
	This symbol, placed before a safety comment, indicates a kind of precaution, warning, or danger. Ignoring this warning may lead to an accident. To reduce the risk of injury, fire, or electrocution, please always follow the recommendations shown below.
	Warning- Be sure to wear gloves when using this product.
	Warning- Be sure to wear eye protectors when using this product.
	Disposal information: This product is subject to the provision of European Directive 2012/19/EC. The symbol showing a wheelie bin crossed through indicates that the product requires separate refuse collection in the European Union. This applies to the product and all accessories marked with this symbol. Products marked as such may not be discarded with normal domestic waste but must be taken to a collection point for recycling electrical and electronic devices.

⚠ General safety instructions

WARNING! Read all safety warnings and notes. Failure to follow the instructions listed below may result in electrical shock, fire, and/or injury.
For good performance and precise measurement, be careful with daily operation and maintenance.

WORK AREA SAFETY

a) **Keep the application area clean and well-lit.** Unclean and dark areas lead to accidents.

b) **Do not use power tools in explosive environments, such as in the presence of flammable liquids, gases, or vapors.** Power tools generate sparks that can ignite dust or vapors.

c) **Keep children and bystanders away when operating the appliance.** Distractions can lead to loss of control over the device.
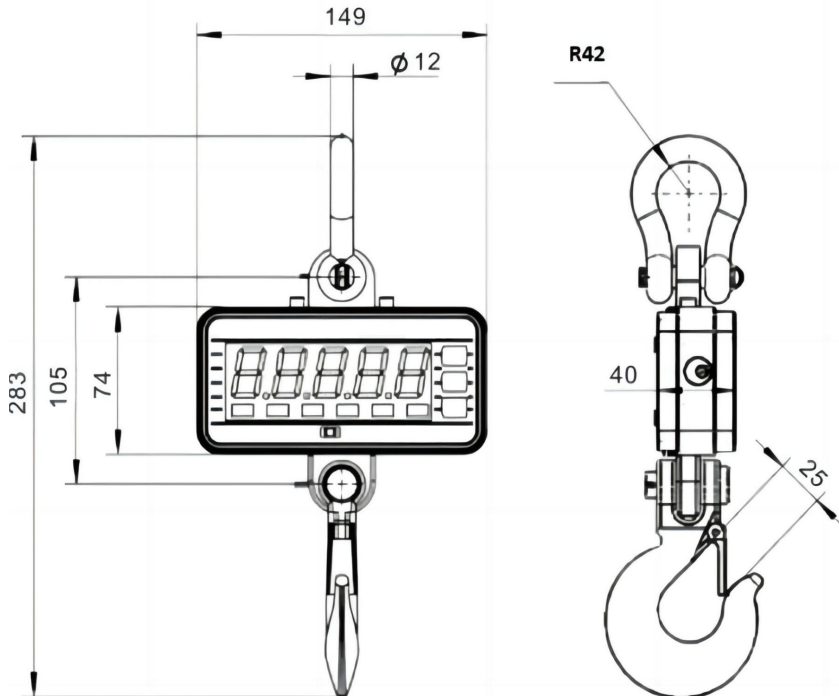
Usage Note:

Do not overload crane scale, this will damage loadcell;

Do not leave load hung on the digital balance for long. This will decrease scale accuracy and shorten loadcell life;

Inspect shackle and hook before using. Check clips, pins and screws regularly;

Thank you for your support to our products!

1. Dimension & Weight

2. Display & Keys

● Scale Keys

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

● Remote Keys

Key	Name	Function
	Zero	Same as long pressing TARE/ZERO
	Tare	Same as short pressing TARE/ZERO
	Hold	Same as short pressing HOLD/UNIT
	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
TARE	Tared	lit when the scale is tared
HOLD	Hold	lit when the scale is locked
lb	lb	lit when the unit is lb

kg	kg	lit when the unit is kg
n	n	Kg and lb lights off

● Message

Message	Stand for	Note
- - - - -		detect weight
SEtUP	SETUP	User Setup Menu
bAt99	BATtery	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

3. Operations

● Power On/Off

☑ Long press ⏻ to power on the scale. Scale performs initialization and power-on tests, **8.8.8.8.8** shows twice, then capacity **1000** shows, battery life percentage **bAt99** shows, weight detection **- - - - -** shows, and then auto zero.

✍ For information about Auto-Zero, refer to Scale Configuration in the Technical Manual.

☑ Long press ⏻ or 🖥 to power off the scale. Battery life percentage **bAt99** shows, off message **oFF** shows, and then cut off power.

✍ When 3 batteries' voltage is lower than 3.2V, the scale will auto power off itself. Please replace the dead batteries with new ones.

● Zero

☑ Long press 🔲TARE/ZERO , or press 🔲 , to zero. ZERO shows.

✍ For information about Manual-Zero Range, refer to Scale Configuration in the Technical Manual.

● Tare In/Out

☑ In gross mode, press [TARE ZERO] , or press [▷] , to tare in. TARE 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 [TARE ZERO] , or press [▷] , to tare out. TARE disappears.

● Lock/Unlock

☑ Press [HOLD UNIT] or [▢] to lock screen. HOLD shows.

☑ Press [HOLD UNIT] or [▢] again to unlock screen. HOLD 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 [HOLD UNIT] or [▢] to view high 5-digit or low 5-digit.

☑ Press [⏻] or [♈] to exit View mode.

● Delete Last Weight

☑ Press [▣] to delete the last accumulated weight.

⋯ dEL shows, indicating that the last accumulated weight is deleted. The 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 the unit between kg, lb, and N.

🗒 When unit is kg, kg shows. When the unit is lb, lb shows. When the unit is N, Kg, and lb lights off.

🗒 For more information about the User Unit, refer to Scale Configuration in the Technical Manual.

4. User Setup

☑ Press 🔘 first and then press 🔘 or ⬜ to enter User Setup menu. $5EtUP$ 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 the scale's battery life against people's carelessness not to power off the scale when it's not working.

🗒 Auto-Off starts the countdown timer when there's no action, or the load is stable. Any key pressing or motion in the load restarts the 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. $Idl--$ 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, the scale automatically enters Idle Mode when there's no action, or the load is stable. In Idle Mode, the scale works in low-power consumption status. Any key pressing or motion in load wakes up the scale from Idle Mode.

☑ Press 🔲HOLD⎴UNIT🔲 or ▭ to exit User Setup.

5. 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 houses at the rear of the scale can be opened by screwing off screws.
ⓘ In order to conserve battery life, enable Auto-Off and Idle Mode to dim display brightness.
ⓘ When 4 batteries' voltage is lower than 3.5V, the scale will auto power off itself. Please replace the dead batteries with new ones.

6. Troubleshooting

Simple problems can be resolved as the 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 the battery and replace
	defective On/Off key	press harder and keep pressing for 2s
	defective power cable	open the front panel, check the power cable
	defective mainboard	contact representative
display flashes	discharged battery	replace battery
no action was taken after the key was pressed	scale is disturbed	re-plug power cable
	defective key	contact representative
weight reading is not stable	load in motion	keep load stable
	weak Anti-Motion	change Anti-Motion level

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

7. Peak Holding function operating procedures:

A> Use remote controller to operate Peak Holding function procedures

1. Press remote controller the triangle key⬚ twice, enter

the password interface, the scale screen display P0000.

2. Press remote

controller key ⬚ and ⬚, modify digits. Pressing ⬚ and ⬚ to shift the digits input. Enter peak holding set pass word P3721.

3. Press remote controller⬚, enter password to SFN; Press⬚ again

to enter PK OFF; Press remoter controller ⬚ or ⬚ to choose PK ON; then press⬚ continuously until to END. When PKON function

set successfully, the peak holding function keeping after the scale turn on again.

4. In actual use, press remote controller⬚ to

choose turn on or off the peak holding function, the indicator light HOLD is

on when the peaking holding function turn on, or indicator light HOLD is off when the peaking holding function turn off.

The maximum value of weighing will be automatic cover and maintain under the condition of HOLD.

5. The HOLD key's function is for holing current value when the peak holding function not enabled, different with the function in peak holding turn on.

8. Specifications

Accuracy	Chinese GB/T 11883-2002 CIII 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
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℃ - +40℃
Op. Humidity	20℃ ≤90%

	Items	Description
1	Name	Industrial Crane Scale
2	Model	OCS-S1
3	Parameter	Rating(s): 4x1.5AA（6VDC） Capacity: 1000kg/2200lb Division: 0.5lb

Manufacturer: Shanghaimuxinmuyeyouxiangongsi

Address: Shuangchenglu 803nong11hao1602A-1609shi, baoshanqu, shanghai 200000 CN.

Imported to AUS: SIHAO PTY LTD, 1 ROKEVA STREETEASTWOOD NSW 2122 Australia

Imported to USA: Sanven Technology Ltd., Suite 250, 9166 Anaheim Place, Rancho Cucamonga, CA 91730

EC	REP

E-CrossStu GmbH
Mainzer Landstr.69, 60329 Frankfurt am Main.

UK	REP

YH CONSULTING LIMITED.
C/O YH Consulting Limited Office 147, Centurion House, London Road, Staines-upon-Thames, Surrey, TW18 4AX

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