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VETEK
VETEK OCS-Y2 Compact Crane Scale

VETEK OCS-Y2 Compact Crane Scale User Guide

Contents

VETEK

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Product Usage Instructions

Introduction

Notice: Before using the dynamometer, carefully read the manual and keep it for future reference.

Safety Guide:

- Do NOT overload the dynamometer to avoid damage to loadcell and warranty void.
- Avoid leaving weight loaded on the dynamometer for extended periods to maintain accuracy.
- Replace the battery with full ones when the dynamometer runs out of power.
- Avoid using the dynamometer under thunder or rain conditions.
- Do NOT attempt to repair the dynamometer yourself; contact your local representative for assistance.

Display & Keys
The dynamometer features various keys with different functions:

- **Scale Keys:**
    - **Key Name:** Function
    - Short pressing: Cancel & On/Off; Long pressing: Power-on/off
    - Short pressing: Tare in/out; Long pressing: Zero; Move digit
    - Short pressing: Lock/unlock; Long pressing: Unit Switch; Input/cancel decimal point

Indicators:

- LED Name – Note
- Stable: shown when weight is stable
- Zero: shown when weight is at zero

- Hold: shown when scale is tared
- Peak Hold: shown when weight in peak mode
- lb/kg/UN: unit indicators

Operations

Power On/Off: Simultaneously press the designated key for power on/off function.

Frequently Asked Questions (FAQ)

Q: How do I change the battery of the dynamometer?
A: To replace the battery, follow these steps:

1. Open the battery compartment.
2. Remove the old batteries.
3. Insert new batteries in the correct orientation.
4. Close the battery compartment securely.

Q: Can the dynamometer be used in extreme temperature conditions?
A: The dynamometer is designed to operate within a specific temperature range. Avoid using it in extreme temperature conditions outside this range to ensure accurate measurements and device longevity.

Introduction

Notice
Before you use this dynamometer, please read this manual through carefully, and keep it properly for future use.

Safety Guide
For good performance and precise measurement, be careful with daily operation and maintenance. Note the following instructions:

- Do NOT overload dynamometer. This will damage loadcell and void warranty.
- Do NOT leave weight loaded on dynamometer for long. This will decrease dynamometer's accuracy and shorten loadcell's life.
- When dynamometer runs out of power, replace the battery with full ones.
- Do NOT use dynamometer under thunder or rain.
- Do NOT attempt to repair dynamometer yourself. Contact your local representative.

Specifications

Features
This dynamometer is a combination of the 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 Chinese GB/T11883-2002 national standards, andEuropean CE directives.
Great Safety	Quality aluminum or steel casefor better safety.
NewestDesign	2-line digits FSTN LCD display,with optional shackle and hook.
Leading Technology	SMT technology, quality integrated circuit and dedicatedweighing loadcell, ensures long

	time stability.
SmartPower-saving	3*AA battery with low powerconsumption design.
Portable	Compact structure, easy to carry.

Specifications

Accuracy	≤±0.1%F.S.
Tare Range	100% F.S.
Overload Alarm	>F.S.+9e
Max. Safety Load	120% F.S.
Ultimate Load	400% F.S.
Battery	3*AA 1.5V battery
Battery Life	30hours
Temp. (Op.)	− 10℃ ~ + 40℃
Display	43mm(16.92inch) screen 22mm(8.663inch) character

Display & Keys

Scale Keys

Key	Name	Function
⏻ ON/OFF	On/Off	Short pressing: Cancel & return to weighing mode Long pressing: Power-on / off
▲ TARE	Tare	Short pressing: Tare in/out; Increase digit Long pressing: Zero; Move digit
▼ PEAK	Peak	Short pressing: to lock peak hold function; Pressing again to unlock peak hold
🔒 HOLD	Hold	Short pressing: Lock/unlock; Confirm & next Long pressing: Unit Switch; Input / cancel decimal point

Indicators

LED	Name	Note
5	Stable	shown when weight is stable
Z	Zero	shown when weight is at zero
T	Tared	shown when scale is tared
H	Hold	shown when scale is locked
P	Peak Hold	Shown when weight in peak mode. If weigh value is higher than the previous one, automatically display higher one & locked again
lb	lb	shown when unit is lb
KG	kg	shown when unit is kg
UN	UN	shown when unit is User Unit

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

Operations

Power On/Off

- Simultaneously press ON/OFF for 1s to power-on scale. Scale perform initialization and power-on test,

  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 Technical Manual.

- Simultaneously press ON/OFF for 1s 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 and display **bAt 0**.
  Please replace the dead batteries with new ones.

Zero

- Simultaneously press **TARE** for 1s to zero *Z* . shows.

- If load is in motion, or tared, or out of Manual-Zero Range *Err* , shows.

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

Tare In/Out

- In gross mode, press **TARE** to tare in. shows.

- If load is in motion, or negative, or out of Tare

Range *Err* , 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 weight mode, press **TARE** to tare out *T* . disappears.

Lock/Unlock

- Press **HOLD** to lock screen**H**. shows.

- Press **HOLD** to unlock screen. **H** disappears.

Unit Switch

- Simultaneously press **HOLD** for 1s 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, shows

UN .

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

Peak Hold

- In weight mode, press **PEAK** to peak hold function, "P" shows.

- Press **PEAK** again to exit peak mode, **P** disappears.
- In peak mode, weigh will be locked,

When the weigh is higher than the previous one, automatically display higher one and locked again.

Remark Press twice **PEAK** also could unlock PEAK Function.

User Setup

- Press **TARE** **HOLD** at the same time for 1s to enter User Setup menu. shows.

Auto-Off Timing

- Press **HOLD** 🔒 to enter Auto-Off Timing **oFF** . shows.

- Press **TARE** ▲ to change timing value.

- Auto-Off Timing can be set to: **0** (disabled), (5min),**5** (10min),**10** (15min), **15**(30min), **30**(60min). It is disabled by default.

- Auto-Off function maximizes scale's battery life against people's carelessness not to power off scale when it's not working.

- Auto-Off starts countdown timer when there's no action or load is stable. Any key pressing or motion in load restarts countdown timer.

Backlight Brightness

- Press **HOLD** 🔒 to enter Backlight Brightness. **br -** shows.

- Press **TARE** ▲ to change brightness value.

- Backlight Brightness can be set to: **oFF** (disabled),**1** (dim)**2**, (normal)**3**(bright).

- Dim backlight brightness saves battery power dramatically.

Idle Mode Timing

- Press **HOLD** 🔒 to enter Idle Mode Timing. **br -** shows.

- Press **TARE** ▲ to change timing value.

- Idle Mode Timing can be set to: **oFF** (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 there's 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 **HOLD** to exit User Setup.

Trouble-shoot

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 ON/OFF is pressed	discharged /defective battery	check battery andreplace
	defective On/Offkey	press harder and keeppressing for 2s
	defective power	open front panel, check
	defective	contact representative

	mainboard	
backlightflashes	dischargedbattery	replace battery
no action taken after keypressed	scale is disturbed	re-plug power cable
	defective key	contact representative
weight reading not stable	load in motion	keep load stable
	weakAnti-Motion	change Anti-Motionlevel
	damped loadcellor mainboard	dry loadcell ormainboard
	defectivemainboard	contact representative
weight reading not zero when no load	dischargedbattery	replace battery
	load-cell stressedtoo long	hang scale in storage
	loadcell drifts	contact representative
large errorin weight	scale not zeroedbefore applying	Manual Zero scalebefore loading

reading	load	
	wrong unit	switch to correct unit
	scale requirescalibration	calibrate scale
	defective loadcellor mainboard	contact representative

Documents / Resources

Dynamometer User's Guide Manual_OCS-Y2_V1	**VETEK OCS-Y2 Compact Crane Scale** [pdf] User Guide OCS-Y2, OCS-Y2 Compact Crane Scale, Compact Crane Scale, Crane Scale, Scale

References

- **User Manual**