

# USER GUIDE

# MINI CRANE SCALE

**Sentronik**



T U Ö Ö Š K Ö Ü

CE

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# 1. Introduction

## Notice

**Before you use the scale, 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 the scale. This will damage the loadcell and void the warranty.
- ➔ Do **NOT** leave load hung on the scale for long. This will decrease the scale's accuracy and shorten the loadcell's life.
- ➔ Inspect shackle and hook before using.
- ➔ When the scale runs out of power, replace the battery with full ones.
- ➔ Do **NOT** use the scale under thunder or rain.
- ➔ Do **NOT** attempt to repair the scale yourself. Contact your local representative.

## 2. Specifications

### Features

**This scale 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.**

<b>Superb Quality</b>	In accordance with OIML R76, GB/T11883-2002. ISO9001-2000 certified quality system.
<b>Great Safety</b>	Quality stainless steel load receptor and Aluminum-casting case for better safety.
<b>Newest Design</b>	20mm LCD, visual distance over 10m. Dismountable hook.
<b>Leading Technology</b>	SMT technology, quality integrated circuit and dedicated weighing loadcell, ensures long time stability.
<b>Smart Power-saving</b>	3*AA battery with low power consumption design.
<b>Portable</b>	Different color optional. Easy to carry.

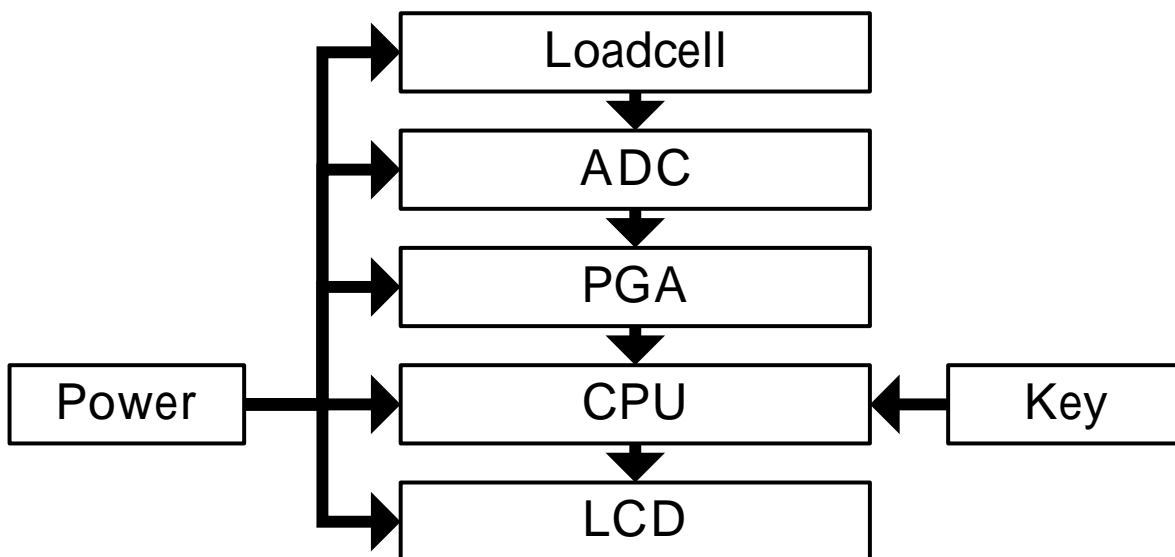
## Specifications

Accuracy Class	Class III Equivalent to OIML R76
Tare Range	100% F.S.
Auto Zero	$\pm 50\%$ F.S.
Manual Zero	$\pm 2\%$ F.S.
Zero-tracking	0.5e/s
Reading Stable Time	$\leq 10$ seconds
Auto-sleep	Sable and no action in 3 sec.
Auto-off	Sable and no action in 3 min.
Overload	100% F.S. + 9e
Max. Safety Load	120% F.S.
Ultimate Load	300% F.S.
Battery Life	>150 hours
Battery	3*AA (rechargeable) battery
Temp. (Op.)	- 10°C ~ + 40°C
Humidity (Op.)	$\leq 90\%$ at 20°C
Display	0.7 inch (17.78mm) numerical
Net Weight	620g

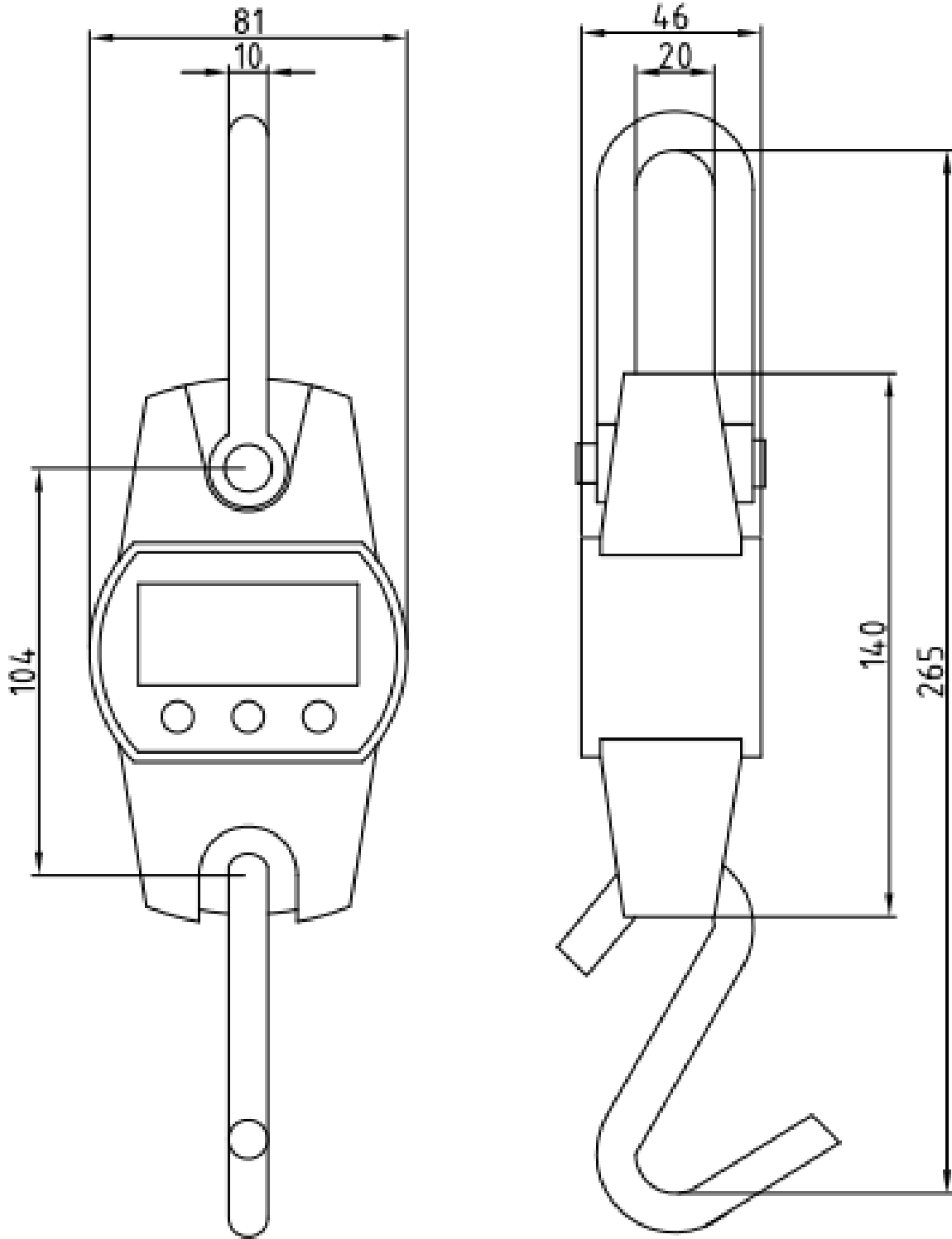
## Capacity and Resolution

Model	Max. Cap. (kg/lb)	E (kg/lb)	Division (n)
OCS-003-L	30/60	0.01/0.02	3,000
OCS-005-L	50/100	0.02/0.05	2,000
OCS-006-L	60/120	0.02/0.05	3,000
OCS-01-L	100/200	0.05/0.1	2,000
OCS-012-L	120/240	0.05/0.1	2,400
OCS-015-L	150/300	0.05/0.1	3,000
OCS-02-L	200/400	0.1/0.2	3,000
OCS-03-L	300/600	0.1/0.2	3,000

## Schematic Diagram




# Dimension



# 3. Operation Guide

## Power On

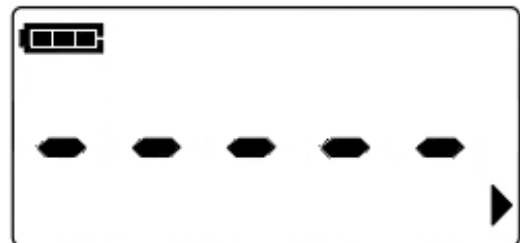
 Press  for 1 second.

 The scale boots up, self-tests, battery tests and initializes.

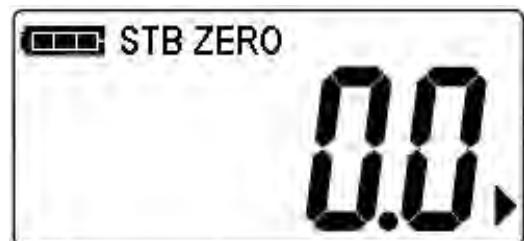
If power-on test is failed, error message will display.



The screen shows detection message while scale detects its load and auto-zero itself.



Waits for load.





## Tare In



Press  .



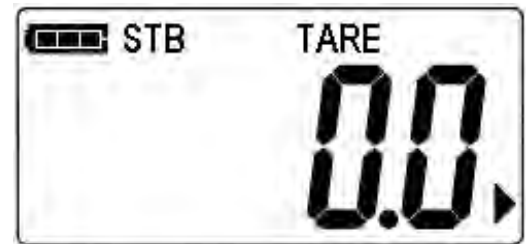
Stores weight as tare, when there's no tare stored.



TARE is shown.  
Weight reading turns "0.0" or "0.00".



If weight is over 100%F.S., or less than 0, tare is not allowed.



If weight is not stable, tare is not allowed.



Tare will reduce the apparent overloading range of the scale. For example, if a 10kg container is tared and the scale maximum capacity is 50kg, the scale will overload at a new weight of 40.18kg (5000 – 1000 + additional 9 divisions). Setting or changing TARE has no effect on the ZERO setting.

## Tare Out



Press  .

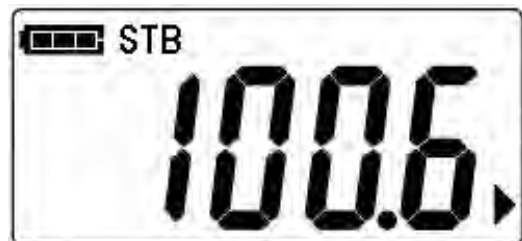
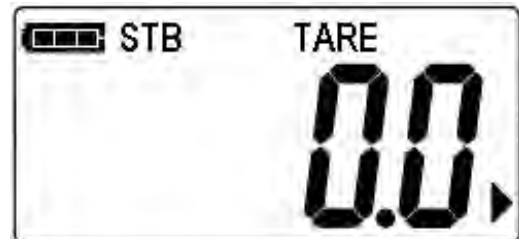


Restore the tare.



TARE is hidden.

Weight reading returns to that in gross mode.



## Hold



Press  .



Lock the weight reading.



HOLD is shown.

The display is frozen.



## Unhold

 Press , when scale is in hold.

 Unlock the weight reading.


- HOLD is hidden.  
Weight reading is unlocked.



## Unit Switch

 Press  for 1 second.

 Switch the measuring unit.

- Switch to kg.
- Switch to lb.
- Switch to N.
-  New unit will be saved.



## Zero

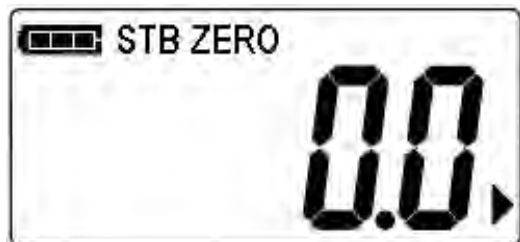
 Press  for 1 second.

 Zero the scale.

ZERO is shown.  
Weight reading  
turns "0.0" or  
"0.00".

If weight is tared,  
or not stable, zero is not allowed.

If weight is over  $\pm 2\%F.S.$ , zero is not  
allowed.



## Power Off

 Press  for 1 second.

 The scale powers off.

Displays shows  
power-off message.

To power off the scale, it must be in  
weighing mode, otherwise, it returns to  
weighing mode.



## 4. Trouble-shooting

Symptom	Possible Causes	Solution
blank display when On/Off is pressed	discharged battery	replace battery
	defective battery	
	defective ON/OFF key	press ON/OFF key for long
no action taken after TARE or HOLD is pressed	defective TARE or HOLD key	clean TARE or HOLD key
unstable readings	scale in motion	stabilize the load and scale
	scale is damped	dry the scale
	dust on PCB board	clean PCB board
reading is not zero without load	unstable system power	longer warm-up time
	load-cell stressed too much or too long	hang the scale in storage
large error in weight reading	scale is not zeroed before loading	keep the scale unload and reboot
	re-calibration needed	re-calibrate the scale
	improper unit	switch to proper unit

## **5. Note**