
SZ-WP_{III}

Wireless indicator

User Guide



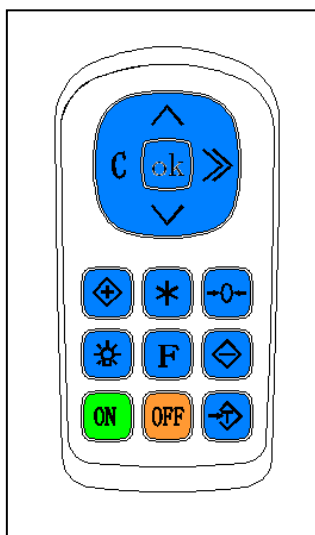
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Important Specifications

Name	Range
Accuracy	III
A/D converter speed	6 times per second
A/D converter type	Σ - Δ Converter
Load cell excitation	DC 5V
Load cell connection	4 wire technique
Max internal code	100million
Nonlinearity	<0.01 %F. S
Calibration	keyboard
Battery	Indicator: 4XAA battery scale: 6V/4AH
display	LCD with backlight
Stable time	$\leq 10S$
Overload alarm	Full capacity +9e
Environment temperature	Scale body: -10°C ~ +50°C; indicator: 0°C ~ +40°C
Humidity	20°C, $\leq 85\%$
<u>transceiver distance</u>	80m
Radio frequency	433.5125-434.2875MHz

Keyboard Functions



Pressing the key in weighing state or standby state can enter function menu.

Press the key under menu or function setting to confirm.



Pressing the key in weighing state or standby state can enter function menu. Press the key under menu or function setting to change numerical value.



The key can be moved right, fitter, adaptable



Pressing the key under menu item can back to parent menu until return to weighing state. Pressing the key under function item can exit this function set.



Pressing the key under weighing state can keep current data in memory (See accumulation operation for details)



If have accumulation data, pressing the key can review accumulated weights and times (See accumulation operation for details)



Zero



Pressing the key, backlight can be opened at night, and then press the key, closed backlight. To conserve power, backlight will be automatically out in 2 minutes in no operation of stable data.



Function key



The key can clear accumulative data in instrument (See clear operation page for details).




Power on



Power off



Press this key to tare and the indicator  will be on. Press the key again to turn off temporarily tare function.

Symbol Icons



It shows the data has been stored




Battery power



Shows indicator has received the signal.



 shows scale body in state of zero



this symbol shows weighing data go into the steady state



Displaying this symbol shows hand-held display in state of Tare. The weight value will be the net weight.

SW.

shows unit is not kg

kg

shows unit is kg

Message :



Display Time, serial number and battery power. Or no signal, please check the Antenna or battery.



Show overloading. If there is no weight on scale body, no overloaded, the down-lead from load cell to transmitter is wrong linked or cut.



After power-on self-test, displays above and light up under-voltage sign, after two seconds shutdown automatically. Shows hand-held instrument batteries under-voltage, cannot be used normally, please recharge.



After turning on power, if hand-held instrument displays above, shows batteries of hoist scale end under-voltage, please recharge. After several seconds transmitter of hoist scale shutdown automatically.

How to totalize Current Weighing Data

Step 1: Hang heavy on scale

Step 2: Wait data stabilize

(stable symbol displays)

Step 3: Press ""


Step 4: Instrument will display "Total accumulative data" and "accumulative times"


Attention :

- Zero and minus weight cannot be accumulated
- Operate until stable symbol displays
- One weighing value only can be totalized for one time, cannot be repeated to accumulate.
- Can totalize 99 sets of data, save and turn off.
- If operate accumulated data wrong, can use single to clear data, this time scale body is no need to be return to zero, and can accumulate again.


How to Review Reserved Data

If need to review accumulative data after accumulating many times:





Step 1: Press "" Display "accumulative total weights"

Step 2: Press "" again, Display "accumulative times"

Attention :

- After pressing "", displays state of accumulative total and total times, back to weighing state after 10 seconds.

How to clear data









- Single clear & Total clear Single clear: Clear last weighing data
- Total clear: Clear all weighing data.
- Step 1: Press "", Display: "CLL 1"
- Step 2: Press " or " Convert last bit between 1 and 2: 1 --- Single clear; 2 --- Single clear
- Step 3: Choose single clear or total clear, press " to confirm. If successfully cleared, indicator shows "End".

Attention :

- ■ If operate accumulated data wrong, can use single to clear data, this time scale body is no need to be return to zero, and accumulate again.

- ■ No data in memory, press “” instrument displays “no”.
- ■ When display clear interface, press “C” to exit clear state

How to set the filter parameters

- Step 1: press key “” to display: “F1”;
- Step 2: press “” or “” to increase or decrease the last digit;
- Step 3: when it displays “F5”, press “” to display the interface of filtering setup “FLt 2”, the last flickering digit is the current filtering value;
- Step 4: at this time, press “” or “” to increase or decrease the filtering value;
- Step 5: after select the filtering, press “” to confirm it and Press “” back to the weighing mode.

Attention :

- ■ Please set the parameter according to the using conditions. If it is not stable, please increase the filtering value.
- ■ The large the filtering value is, the low displaying speed the indicator has.
- ■ TO weighing mode, the value from 1-3; to, to force measurement the value from 0-3.

Battery and Charging

Charging Indicator

- Two lower voltage indications:
 1. When weighing, if indicator shows “DC LL”, means it on lower voltage indication. It can be continued to use 15 minutes after low power, after 15 minutes transmitter end shutdown automatically
 2. When turning on, indicator shows “DC LL” immediately, it will not enter the self-check mode, please charge ASAP or it will shut down within 3 seconds.

Charging Scale

- Lower power alarm:
 1. hen hand-held display is in process of normal weighing, first at left displays “L”, Indicates transmitter batteries in low power, need to be recharged. It can be continued to use 30 minutes after low power, after 30 minutes transmitter end shutdown automatically.
 2. After turning on power, if hand-held instrument displays above, shows batteries of hoist scale end under-voltage, please recharge. After several seconds transmitter of hoist scale shutdown automatically.

When charging, please connect the charger to the 220V power supply, after the light on the charger turn green then insert rechargeable batteries to battery jack.

Battery Safety Points

The equipment is powered by 4AA battery or chargeable battery, please follow attention points:

- Protect battery from water and short circuit.
- Don't link short battery connector, or else, it will damage battery and short-links.
- If battery at rest for long term, please charge every three months.
- To make life of Ni-MH battery as long as possible, please recharge until low power.

How Crane Scale works

Scale body work:

Install antenna and batteries on hoist scale, turn on switch, work indicator light glitter, shows scale body enter into work state.

Use attention points:

Body at rest for an hour, scale body shutdown Automatically. To use, one must turn off and re-turn on switch of hoist scale.

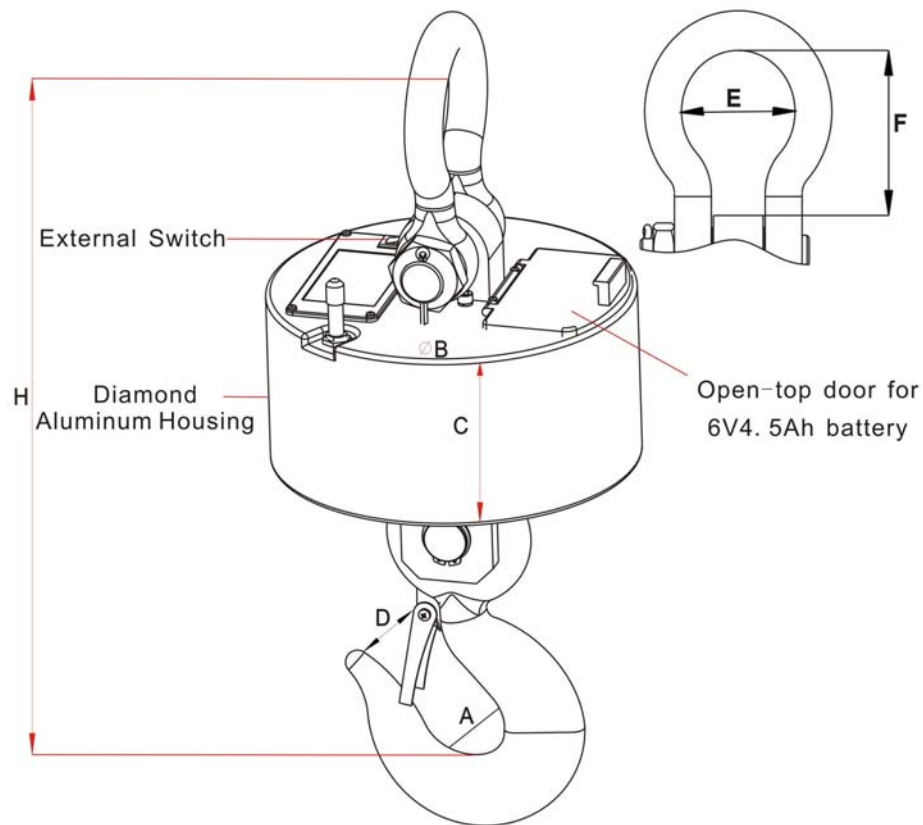
Display work:

Press key "ON" of instrument, instrument in the full scale, access to self-test, after self-test if normal communications, instrument signal sign on, after seconds shows current weighing of scale body, shows upper end and lower end work normally.

Use attention:

- After turning on power, if hand-held instrument displays L, shows batteries of hoist scale end under-voltage, please recharge. Or After 15min transmitter of hoist scale shutdown automatically.
- In condition of stable Weighing data, without any operational and data changes within 30 minutes, Instrument shutdown automatically. Used again, need to turn it on.
- When instrument is placed for long term, please turn off switch at back of the instrument to protect the battery. If use normally daily, no need to use this switch.

Dimensioned Drawing of Scale



Unit: mm

Cap.	A	B	C	D	E	F	H
5t	60	250	122	49	80	108	515
10t	70	275	135	54	90	129	605

Notice

Usage: It is widely used in industrial and mining enterprises, port terminals, commercial trade etc.

environmental conditions: Temperature-15~45 C, Humidity: 30~90%, Altitude: $\leq 2000\text{m}$

Batteries: scale body 6V/4.5AH lead-acid, indicator AA 1.5V X4

Installation Instructions:

Transport:

Scale body and indicator belong to the precision measuring instrument. Balance body should be placed in small cart, please pay attention to light moving and handling.


Maintenance:

To prolong the battery life, we suggest you charge the battery no less than twice per month even no use of the scale. To avoid any damage to the battery, please charge it correctly. Once the scale body shows low power, the battery of the scale body should be charged and later if the lamp on the adaptor turns green, means the battery is full charged.

Please check the scale frequently to insure the safe use, especially check whether the hook or

shackle or any other component is cracked or distorted; Whether the pin is off or the components are lost.

If there is any sign of the mentioned condition, please send the scale or components back to the manufacturer for repair or exchange before using the scale again.

 Please do not weigh exceed the maximum capacity of the scale. Any damages caused by overloading should be responsible by yourself.

- Please check the instruments like hook, shackle and indicator etc. every three months. If there is any difference, please contact our company in time to ensure the safety and normal use of the scale.

- Please avoid violent collision and rain. Special attention should be paid to prevent the scale body from falling off the hook.

- Normal scale could not be used in high temperature environment. It is strictly forbidden to weld on the scale, which will damage the A/D transmitter and the sensor.

- If hoist scale in normal use, antenna needn't to be removed daily. Dismounting antenna often makes antenna and socket wear easily.

- If hoist scale not in use longer than one month, batteries should be removed. To ensure the battery using life, please charge every two months

FCC Regulatory Compliance

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Warning: changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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