

LET US DO A BETTER JOB

INVOUS

Electronic crane Scale

AN INSTRUCTION MANUAL

FOREWORD

**Thank you for using my company's direct—
viewing electronic crane scale. Before using,
please read the user manual carefully. Any
valuable advices, please kindly to email or call
us. Thank you!**

The standard of electric crane scale

The scales have been calibrate with standard weights when scales leave factory. If the scale needs to be calibrated again, please contact the local Metrology department, or contact with our factory directly or the authorized dealers of our factory. Please do not adjust by yourself.

After-sales service and legal responsibilities

The damages, causing by neither human factors nor irresistible factors, are covered by the warranty, The warranty time of scale is one year (except for battery and other supplies). Please tell us the fault phenomenon in detail by telegraph if the scale needs to repair, our factory or our authorized dealers will arrange to repair.

The manufacturers should remind that users use this goods according to the requirements of the national measurement regulations, and pay attention to do routine maintenance to ensure the goods work properly. The responsibilities of manufacturers for goods are limited to laws.

Simple trouble and solutions

trouble	reasons	solutions
Could not start	The voltage is under 5.6v or battery is broken	Charge immediately or change the battery
Battery can't be charged	Charger or battery is broken	Charge the charger or battery
Without weigh, but not show "0"		starting warm-up for 3 to 5 minutes, it will show "0"

★ Attention! ★

Due to the storage battery could self-discharge, so, in order to prevent the battery from over self-discharge, it should be charged regularly, even though the scale is not used. As usual, please charge the batter every one month (no longer than 2 months).

Over load display

The display screen of electric crane scale will show“OVER”when the lifting capacity is over 110% of rated capacity.

Charging

1、 when the worker charges the battery of scale up, the battery could be on the scale or is lifted down from the scale. The battery should be charged if the voltage of battery is less 5.6V(Even if the scale is not used, the battery also should be charged regularly, example: the battery must be charged each month or every two months). Over discharge could shorten the life of battery, until the charge is not into the battery and the battery is scrap at last. Display brightness will be weak when the voltage of batter is lower.

The charge plug jack is on the back of scale. The worker makes the charge plug insert into the charging cradle. And the charge voltage should be 220V/1P or 110V/ 1P . So , the battery is charged. Charging time of each time is about 8 hours.

2、 the description for the work light of charge

When the work light of charge shows red, it shows that the battery is charging; When the work light shows green, it says that the battery is full. (notice: the work light also shows green when the charge is without load or is not charged).

Use amd Maintenance

The electric crane scales are precision measuring instruments, please take note of following points specially:

1、 the scale has good shakeproof and rain-proof performance. But the scale also should be avoided by strenuous vibration and prolonged rain; particularly careful to avoid that the scales fall down from the hook of crane.

2、 If the scale is required to work under high temperature environment, it is better to order a high temperature crane scale and should notice to not make the crane scale remain under high temperature zone for long time.

3、 Strictly prohibit to lift over weight objects, in order to avoid to damage the sensor or cause incidents.

4、 Because the charge could discharge by itself, even if the scale is not used never, the user should make the battery charged regularly, in order to avoid over-discharge damage the battery. So, the battery should be charged one time each month (not over two months).

5、 Normally, the users should be carefully to check the mechanical parts of body of scale to avoid screws, bots and other parts loose, and maintain the scale in a good condition.

Summary

Electric scale could use on the lifting equipment direct, so it could complete lifting, weighing and recording weight at the same time. Due to operation simple, little volume , low price, and so on merits, the scale is widely used in metallurgical industry, building, warehouse, dock , ere

The scale our factory made is LED high brightness nixietube display , is could be used both in inside room and outside room. We absorbed the advanced experience from the weighing apparatus manufacturers in the world . used the new integrated design concept, combined with modern electronic integration technology and power of remotesensing technology to make the scale compact, operation more easily , quality more dependable , property more stable. Its the companies' ideal choice for weighing.

Functional characteristics

1. favorable, stable dynamic weighing performance , the swaying will not affect the weighing results.

2. use 24 high accuracy AD, 1,000,000 internal resolution make it the high degree of accuracy and high stability

3. Wide operating temperature, suit any temperature in the world

4. it will off automatic at 10w * voltage

5. display the battery voltage

6. good electromagnetic compatibility, it could work in the severe environment

7. with remote control. it could control the scale to set zero, view weighed records and off with in 20 meters.

8. could select radio data transmission module and radio big display screen, you could accept and show weigh data out of at least 100 meters.

9. use the newest dynamic filtering algorithm, Anti-shake, stable, fast.

10. management view function for single weight

11. could select remote control to start

12. weight lock function

13. unique intelligent charging protection function

Main technical parametes

1. class of accuracy: comply with III standard

2. continuous working time after charging: 60 hours

3. rated operating environment temperature: -10°C-----40°C

4. allowable working temperature: -30°C--85°C

note: 1. please note if to lift the hot objects such as molten steel, we could according to customer requirements make the resist-high temperature scale

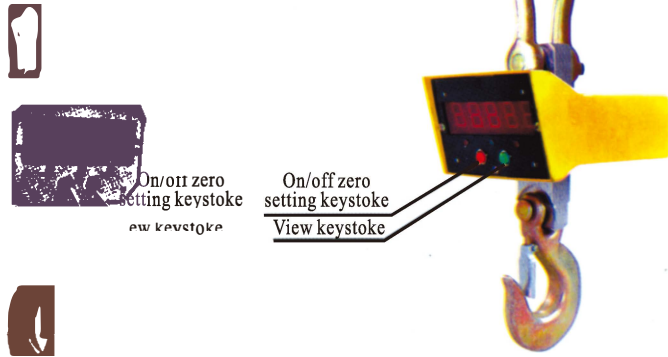
2. the fault bit will increase if over the related working temperature

5. ambient humidity: ≤90% R.H

6. display screen shape: 5-digit 30mm(1.2")LED display

Note: the division value could be set up according to request , here is the normal value

Shape and keystoke



direct vision electric scale

direct vision electric scale

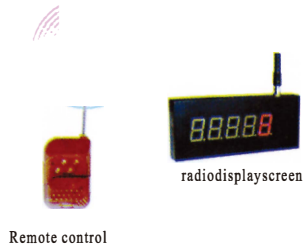
Configuration

1. basic configuration:

(1) electric scale body (2) charger (3) remote control

2. Senior Configuration:

(1) Wireless display screen (2) High - temperature heat shield



Remote control

radiodisplay screen

use method

1. Power On Self Test

Making sure there is no weight on the hook, press(on/off)keystoke for 2 seconds, then loose it. Starting up. At first, the display screen show the scale's software version number, then show the max weight, then show the voltage of the scale. 1 second later, it will show from "99999"to"00000", then show"0". It ready to weigh now.

Operation: After the self-test, it will be automatic in zero position to weigh. Put object to weigh, after the data stable, buzzer will make a short sound about 0.5 second, read number after steady light on.

2. Zero setting

After hang the object, wait for the weigh stable, press [on/off zero setting] keystoke or press the [B / →0← / zero] on remote control, display screen show "0" .

3. view the former weight value

Press [view] key or [D/∴ / INQUIRY] key on remote control, the scale shows the weight which is weight ed latest. Press [view] key or [D/∴ / INQUIRY] key on remote control by two times, it will show the Penultimate weight. So, and the like, it could show 10 weight value. Stop for 5 seconds, it will back to weighing state.

4. weight value keeping (locked up)

when it is stable, press [C /H/KEEP] will lock the display screen, it will unlock if press C again or it will unlock automatic 30 seconds later.

5. shutdown

Press the [on/off] button or press the remote [⏻ / off] button for about 3 seconds to display off shutdown.

6. Light description

Steady light : weight data steady indication ; it will on after the weight stable

Charger light : Charging indication; when charge the battery , the light will on.

Undervoltage light: Undervoltage indication; The undervoltage indicator lights up when the battery voltage is below 5.6v. When the undervoltage indicator is on, it should be charged, and the system will shut down automatically when serious undervoltage occurs.

7. remote control key description

[A]: Reserved function keys

[B]: Zero setting key

[C]: weight locked up

[D]: weight view

[⏻] : OFF

[*] : Enter setting function

[←0→] : Zero function

[∴] : Check the weight

[H] : Weight of the lock



Radio frequency remote control



Infrared remote control

[OFF] : OFF

[BROWNOUT] : Enter power saving mode

[KEEP] : Weight of the lock

[ADD] : Cumulative current weight

[INQUIRY] : Check the weight

[ZERO/FIX] : Zero function

[INSTALL] : Enter setting or calibration



Infrared remote control