

Digital Crane Scale User Manual

Models: TC95A TC95B

SPECIFICATIONS

Product Standard	GB/T11883-2017
Accuracy Grade	III
Zero Range	100% Full Scale
Time to Stable Reading	<10 Seconds
Display Specifications	5-digit Super High Brightness 25 mm red LED display Or 5-digit 11.8" (30mm) FSTN LCD display with backlight
Hanging Fixture	360-degree swirl safe hook & shackle
Operating Temperature	14°F--104°F (-4°C--40°C)
Operating Humidity	30% ~ 90% RH
Auto Power Off	After 30 minutes of inactive or with extreme low power supply
Internal circuit with charging protection	To enhance the energy of battery and prolong its performing life
Scale casing	Cast aluminum casing, corrosion safe, anti-static and light weight
Keypad	Light touch keypad

The keypad includes On/Off, Units, Zero, and Hold.
(Note: The above keys can be used in sub-menu to set up lb-kg conversion, Hold, Beeper On/Off Zeroing and backlighting, etc.)

Max. Capacity	Division	Max. Capacity	Division
3000 lb	0.5 lb	1500 kg	0.2 kg
6000 lb	1 lb	3000 kg	0.5 kg
10000 lb	2 lb	5000 kg	1 kg
20000 lb	5 lb	10000 kg	2 kg

KEYPAD FUNCTIONS

1. [HOLD]: Press this key to keep the current weight and there is a LED indication lamp on the bottom of the display window. Press this key again when the displaying weight flickers to cancel the HOLD function.
2. [UNITS] : Press this key to change units between lb and kg.
3. [ZERO] : Press this key to set the current weight to zero.

SCALE OPERATIONS

1. Turn on the Scale

Press the power switch located under the displaying window of scale. The scale's maximum weighing capacity is first shown, and then the scale goes through a self-check sequence. After 0.0 is displayed and the stable light is on, the scale is ready to weigh. (Note: it is recommended to allow the scale 3~5 minutes of warm-up time before starting the weighing operation).

2. Zeroing

In default, the scale shows "Ok" or "0.0kg" after it is turned on. In case the display is showing numerical value other than "0", press [ZERO] on the keypad or the remote to set the display to "0".

3. Weight Measurement

a) Once the load is on the scale completely, the display shows the weight value of the load. When the "Stable" indicator is on, weight value can be recorded.

b) In case there is tare such as cable, load the tare and press [ZERO] to zero the display to "0"kg. The weight value after this will be the net weight. This will not change until the tare change or the scale being turned off.

4. Turn Off the Scale

After weighing operation, press the power switch to shut off the power completely to prevent the leakage of the battery.

5. Unit Conversion

Under the weighing mode, press key  to change units between lb and kg.

BATTERY CHARGING INSTRUCTIONS

The scale uses maintenance-free 6V/4.5AH Lead-Acid battery. When scale is with low power, it will display the following signals:

- a. When the low power indicator light is on. The scale needs to be charged now. However, the scale can continue to be operated for about 3 hours without charging.
- b. After the low power indicator is ON for several hours without charging or there is no more power in the battery, the crane scale will be powered off automatically. It will take about 5 hours to fully charge the battery.
- C. After battery charging, if there is no display, it indicates that either there is difficulty in battery charging or a damaged battery.

With a fully charged battery, the scale can be operated for about 30 hours. To prolong the battery life, recharge the battery promptly for every 20 hours of usage. When charging the battery, use the original charger supplied with the scale to prevent the battery from unnecessary damages. In addition, turn off the power to shorten the recharging time. WHEN recharging the battery, the recharging light will be red. When the light is green, it indicates the battery is charged fully.

CARE AND MAINTENANCE

1. For weighing operation, don't load the scale with weight load exceeding the maximum capacity.
2. Perform routine inspection and maintenance to ensure operation safety for these basic items:
 - a) Check for loose bolts.
 - b) Check hook and shackle for deformation, wearing and tearing.
 - c) Check other scale component for signs of metal fatigue.
 - d) Check for missing hook latch.
3. Do not touch the display screen directly.
4. Do not use the scale in the rain or in a polluted environment.
5. Remove the battery and store the scale in a dry place if the scale is not going to be used for some time.

CALIBRATION PROCEDURE

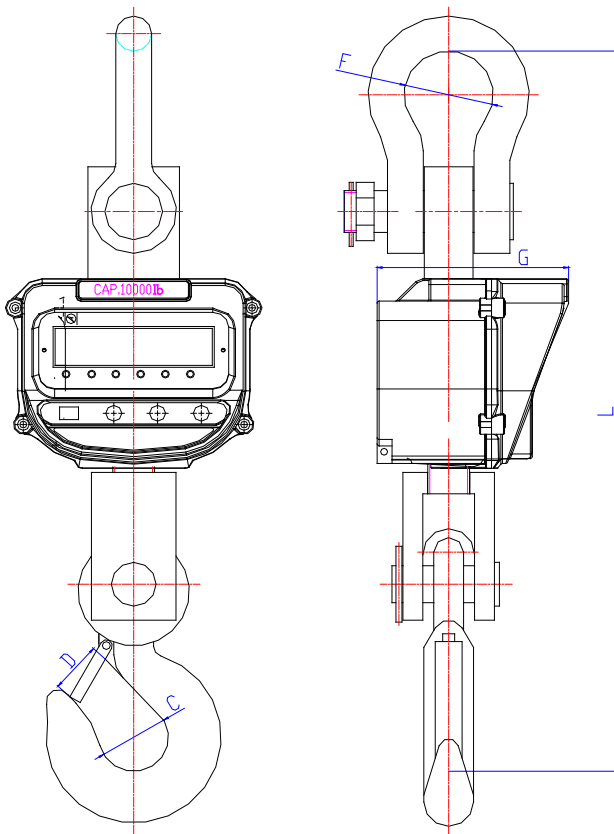
Please do not attempt to calibrate the scale without standard weight

Step	Operation	Display	Remarks
1	Press & Hold [ZERO] Key to power on	00000	Input the password "*****"
2	Press [ZERO] to confirm	SPAn	Enter into setting state, and make sure the scale is with non-load.
3	Press [HOLD] Key	SEt 00000	It will display "00000" after 5 seconds.
4	Press [HOLD] Key to add Press [UNITS] Key to move the digit left	3000	Load the scale. The closer to full capacity the better. For example, 1500kg
5	Press [ZERO]	HOLd	The scale will record the new calibration data.

SUB-MENU SETUP INSTRUCTIONS

Step	Operation	Display	Remarks
1	Press  key during the scale self-check sequence "9,...0" to enter the sub-menu	00000	Enter the sub-menu, needed to enter password
2	Press  Key to add Press  Key to move the digit left	*****	Enter password
3	Press  to confirm	bEE 1	Enter the alarm ON/Off setup mode. Press  or  key to toggle the digit. "0" is Off, "1" is "ON"
4	Press 	HOd 1	Hold valid/invalid setting Press  or  to change "0" is invalid, 1 is valid
5	Press 	Stb 0	Zero setting Press  or  to switch "0" can zero under any condition "1" can zero only with the steady reading
6	Press  Applicable to LCD series For LED series, please refer to the next step	Aut 0	Manual /AUTO backlight setup Press  or  to switch "0" is manual, "1" is auto
7	Press 	CHt 0	Units conversion between lb and kg Press  or  to switch "0" is lb, "1" is kg
8	Press 	OFF 1	Press  or  to switch 1: Auto Power Off (after 30 minutes when the scale is inactive) 0: shut off the auto power off
9	Press 	YES 0	Save or not Press  or  to switch "0" is not to save, "1" is to save
10	Press 		System will restart automatically

DIMENSIONS



unit : inch

Capacity	L	F	C	G	D
3000lb-6000lb	23.2	3.0	1.9	6.6	1.6
10,000lb	26.9	3.1	2.4	6.9	2.0
20,000lb	40.0	3.5	2.8	7.5	2.0

REMOTE CONTROL

Fault analysis by checking the internal code

【Zero】 :To zero the displaying weight.

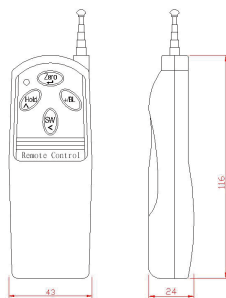
【Hold】 : The current weight is being held.

【+/BL】 : Turn on the backlight. (Only applies when the scale has a LCD display.)

【sw】 : Change the division value between measured division and hi resolution division.

Battery : 9V/6F 22 layer-built battery.

Note : Please extend the antenna before using the remote control.



ERROR INFORMATION

Err0: The calibration data should not less than 4 digits. Or the data will be invalid.

Err1: The calibration data should not exceed the data 65536.

Err2: There is incorrect password to modify the calibration data.

Err3: The weight value at the calibration point is too small. It should be no less than 3 valid digits.

Err4: Incorrect calibration password. Please input the correct password.

Err5: The internal code at the calibration point is too small. The valid internal code is from 3000 to 65536.

Fault analysis by checking the internal code

Press [Zero] to power on the scale, it will first show "Ad". Then unpress the key, it will show the internal code. If there is no load on the scale, the internal code should be between 6000 and 8000. If the internal code is not in the range from 6000 to 8000, please send the scale back to your supplier for repair.