

User's manual

Manual del usuario

Manuel de l'utilisateur

Customer Service  
US: 1-800-645-2986

Servicio de atención al Cliente  
US: 1-800-645-2986

Service à la clientèle  
Canada: 888-645-2986

# LED Digital Crane Scale With Remote

Models: 412647, 412648, 412649, 412650

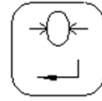
## SPECIFICATIONS




Product Standard	GB/T11883-2017
Accuracy Grade	III
Time to Stable Reading	<10 Seconds
Display Specifications	5-digit Super High Brightness 25 mm red LED display Or 5-digit 20 mm FSTN LCD display with back lighting
Hanging Fixture	360-degree swirl safe hook & shackle
Operating Temperature	-10°C ~ +40°C
Operating Humidity	30% ~ 90% RH
Low Voltage Indicator	Low voltage indicator turns on when the scale power supply voltage is low.
Power Supply	6V/3.2AH lead-acid rechargeable Battery (self-contained)
Adaptor	Input:100-240V output:DV 6V/800mA
Auto Power Off	30 minutes after the scale inactive or at extreme low power supply
Scale casing	Cast aluminum casing, corrosion safe, anti-static and light weight
Keypad	Light touch keypad

The keypad includes unit's selection, Zero, and Hold.  
(Note: The above keys can be used in sub-menu to set up Beeper On/Off, hold enable/disable internal code displaying, etc.)




Max. Capacity	Division	Max. Capacity	Division
500 lb	0.2 lb	250 kg	0.1 kg
1000 lb	0.2 lb	500 kg	0.1 kg
3000 lb	1 lb	1500 kg	0.5 kg

## KEYPAD FUNCTIONS



-  : Press this key to set the current display to zero.
-  : Press this key to change units between lb and kg.
-  : Press this key to keep the current display, the screen will flash. Press it again to quit this operation.

## SCALE OPERATIONS

- Turn on the Scale**  
Press the mechanical switch located on the back of scale to "1" position to turn on the 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 stable light is lit, the scale is ready for weighing operation. (Note: it is recommended to allow scale 3~5 minutes of warm-up time before starting weighing operation).
- Zeroing**  
When the scale is switched on and with no load on the hook, press the  ZERO key to obtain the zero reading.
- Weight Measurement**  
Once the load is suspended completely, the display shows the weight value of the load. When the "Stable" indicator is lit, weight value can be recorded. In case there is tare such as cable, load the tare and press  to zero the display to "0"lb. The weight value after this will be the net weight. This will not change until the tare change or the scale being turned off.
- Turn Off the Scale**  
After weighing operation, the scale should be turned off. Press the mechanical switch on the back of the scale to "0" position to shut off the power to the scale completely to prevent the leakage of the battery.
- Unit Conversion**  
Under weighing mode, press key  to change units between lb and kg.

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## BATTERY CHARGING INSTRUCTIONS

The scale uses maintenance-free 6V/3.2AH Lead-Acid battery. When scale is with low power, it will display the following signals:

- When the low power indicator light is lit. The scale needs to be charged now. However, the scale can continue to be operated for about 3 hours without charging.
- 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.
- 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.

## SCALE CARE

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


























## CALIBRATION METHOD

Please do not attempt to calibrate the scale without standard weight

Step	Operation	Display	Remarks
1	Press & Hold Key to power on 	00000	Enter the calibration procedure needed to enter password
2	Press  Key to add  Press  Key to move the digit left	*****	Enter password
3	Press  to confirm	SPAn	Scale should be with no load
4	Press  Key	SEt 00000	Confirm zero point, when stable, display "00000"
5	Press  Key to add  Press  Key to move the digit left	1500.00	Load the scale. The closer to full capacity the better. For example, 1500kg
6	Press  Key	HOLd	To store the result once the weighing becomes stable
7	-----	1500.00	System goes back to weighing mode after several seconds.

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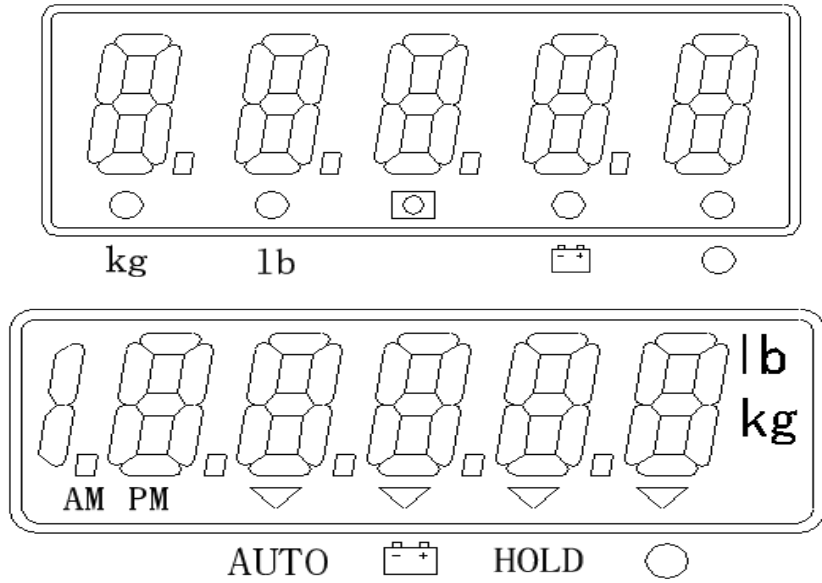
## SETUP FUNCTIONS IN SUB-MENU

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 obtain 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 be restarted automatically

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## DISPLAYS

LED Display



lb: Weighing in lb.

HOLD: The current weight is kept.

AUTO: Manual or Auto backlight. When this symbol is lit, indicating the backlight will be on during the weighing process.



: 'Low Battery 'indication. When the lamp flashed, the battery needs to be charged.



Stable indicator. When this symbol is lit, the weighing process is stable and customer can take record of the weight.

## SCHEMATICS

