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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**

Digital Crane Scale With Remote

Models: 412597, 412598, 412604, 412605

Model	Product Description
412597	LED Digital Crane Scale With Remote 1,000 lb x 0.2 lb
412598	LED Digital Crane Scale With Remote 3,000lb x 1lb
412604	LED Digital Crane Scale With Remote 500lb x 0.2lb
412605	LCD Digital Crane Scale with Remote, 3,000 lb x 1 lb

MODEL # 412597, 412598, 412604, 412605

Digital Crane Scale

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Instruction
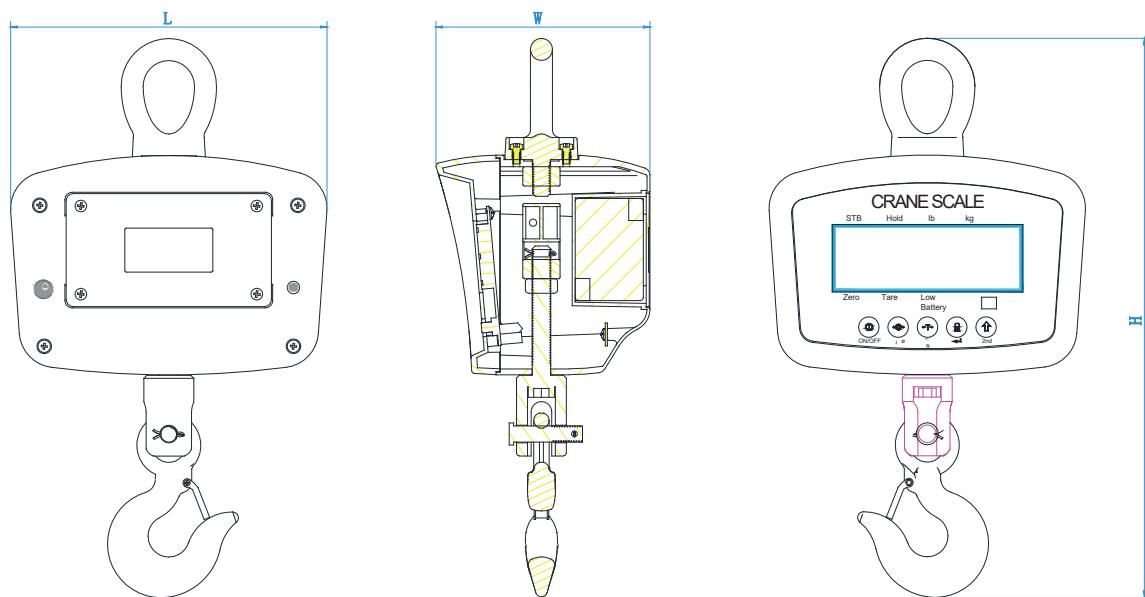
Technical parameter

Accuracy class	III
Tare range	100% max. capacity
Initial zero range	±10% max. capacity
Manually zero range	±2% max. capacity
Operation temperature& humidity	14 - 104°F；≤90%Relative Humidity (RH)
Storage temperature	-40 - 158°F

Battery instructions

The crane scale uses a 6v/4.5Ah rechargeable battery and lasts for about 80-150 hours. The battery charging port and battery indicator are on the back of the crane scale. The scale fully charges within 8-12 hours. The battery indicator turns from yellow to green when fully charged.

Referenced dimensions

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Model No.	Product Description	Maximum Capacity (lbs.)	Division (lbs./kgs)	Size LxWxH (inches)	Weight
412604	LED Digital Crane Scale With Remote 500lb x 0.2lb	550	0.2/0.05	8.5"x 5.75"x15.16"	10.14
412597	LED Digital Crane Scale With Remote 1,000 lb x 0.2 lb	1100	0.2/0.1	8.5"x 5.75"x15.16"	10.14
412598	LED Digital Crane Scale With Remote 3,000lb x 1lb	3300	1/0.2	8.5"x 5.75"x17.13"	15.43
412605	LCD Digital Crane Scale with Remote, 3,000 lb x 1 lb	3300	1/ 0.2	8.5"x 5.75"x17.13"	15.43

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Operation Instructions

Key/ function	Weighing mode	2nd mode	Data input	Parameter setting
On/Off	On/Off	Exit		Exit
Zero	Zero	kg/lb unit change	Add 1 to the data	page up
Tare	Tare	Preset tare weight	cursor flashing to the right	
Hold	Hold	Parameter setting	confirm	Enter to next step
2nd	2nd	Calibration mode		
Acc	Accumulate		Reduce 1 to the data	Page down
del	Clear last accumulation	Clear all the accumulation	cursor flashing to the right	
F1	Check the accumulation	Check the battery		
F2	serial interface send the data once	Set the serial interface		
F3	Check the last weight	Check the internal code		
F4	Store the weight			

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Power on

Press the power button ⏻ for 1 second.

Power off

Press the power button ⏻. The scale will turn off automatically if not used for 30 minutes.

Zero

Press the zero button →0← to zero the scale.

Tare

Press the tare button →T← to enter the net weight mode. The new net weight will display as zero. Press the tare button →T← again to return to the gross weight mod and display the gross weight.

Hold

Press the hold button 🔓 to keep the current weight on the display. Press the hold button 🔓 again to stop holding the weight on the display. If an object is blocking the display while it is weighed, this function can help you view the object's weight after it's removed.

Advanced operation

2nd Mode

Some buttons have a 2nd function. Press the 2nd button ⇧ then press a different button to use its 2nd function. [2nd] will be displayed on the screen when the 2nd button is activated.

Press the power button ⏻ to exit.

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Accumulation function

Load a weight on the scale until it is stable. Press the accumulation button ![Acc] to add the current weight to an accumulative total. The display will read [ACC]. If the max weight has been reached, no more weight measurements can be added and the display will read [noACC].

Press the delete button ![del] to remove the last added weight from the accumulated total. The display will read [DEL] when the last weight was removed; If there is no weight to remove, the display will read [noDEL].

Press ![F1] to see the number of weights added to the accumulated total displayed as [n***]. Then the total accumulated weight will be shown for 3 seconds before returning to the weighing screen.

Press the [2nd] ![up] button then the delete button ![del] to clear all the accumulation data. The display will read [CLEAR] to confirm all the weights were deleted.

Weight display

Press ![F4] to save the current weight value. [STORE] will be displayed when the weight is saved.

Press ![F3] to see the last weird saved, [LAST0]. Press ![0] or ![Acc] to look through the other saved weights. The most recent weight saves as 0 and the first weight saved as

9. Press ![lock] to display the corresponding weight for 2 seconds.   The display will return back to weighing mode.

Switching between lbs./kg

Press the [2nd] button ![up] then press ![0] to covert the weight unit between lbs. and kg.

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4.5 Preset tare weight

Press the [2ⁿᵈ] button then press . The display will read [00000]. Use these

keys to input a tare weight value. Then press to

confirm the input value. The crane scale will enter the net weight mode.

Parameter setting

Press the [2ⁿᵈ] button then press to adjust the following settings:

adjust division, delay automatic off, delay idle, filter intensity, display brightness, zero range, stable intensity, hold mode, warning tone, kg/lb conversion. After each operation,

press to confirm. Press to exit.

Content	Display	Parameter instruction	Default value
Display division	E	0.02 = 0.02kg/lb 0.05 = 0.05kg/lb 0.1 = 0.1kg/lb 0.2 = 0.2kg/lb 0.5 = 0.5kg/lb 1 = 1kg/lb 2 = 2kg/lb	1
Automatic power off	OFF	00 = close this function 10 = 10 minutes delay 30 = 30 minutes delay 60 = 60 minutes delay 90 = 90 minutes delay	10
Idle mode [1]	IDL	00 = close this function 10 = 10 minutes delay 30 = 30 minutes delay 60 = 60 minutes delay 90 = 90 minutes delay	30
Kg/lb conversion	UNS	0 = kg/lb conversion off 1= kg/lb conversion on	1

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Content	Display	Parameter instruction	Default value
Hold mode	HOLD	0 =close hold function 1 =Peak hold 2 =Data Hold 3 =Auto Hold 4 =Animal scale function	2
Zero range	ZERO	0=close manually zero setting and Initial zero range 1=Initial zero range±10%，manually zero range±2% 2= Initial zero range 100%，manually zero range 100%	1
Filter intensity	FIL	0=close the function 1=weak 2=moderate 3=strong	2
Stable intensity	STB	0=weak 1=moderate 2=strong	1
Warning tone	BEEP	0 close warning tone 1 open warning tone	1
Display brightness	LEDb	1=light 2= moderate 3=dark	1
Zero track speed	ZTS	0= no zero tracking 1=±0.5d/s 2=±1d/s 3=±2d/s 4=±5d/s	1

Battery power level checking

Press the [2nd] button ⬆ then press F1 to see the battery power level displayed in this format [U 6.**]. The display returns to weighing mode after 2 seconds.

Internal code checking

Press the [2nd] button ⬆ then press F3 to display the internal code for Maintenance and debugging.

Press the [2nd] button ⬆ then press F3 to return to the weighing mode.

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Display Codes	Explanations
U 6.28	Battery power remaining.
oFF	Power off.
ACC	Weight added to accumulated total.
noACC	No more weights can be added to the accumulated total.
dEL	Clear the last accumulation value data.
nodEL	Cannot be cleared.
CLEAr	Clear all the accumulation data.
StorE	Save the display value data.
LASt0	See the last weight added to the accumulated total

Troubleshooting Display Codes

Display Codes	Cause	Solution
Err6	Exceed zero range.	Ensure the crane is not moving and press the zero button.
uuuuuu	Overload.	Reduce the weight.
nnnnnn	Weight measured is lower than the minimum value or the scale is moving.	Ensure the scale is not moving.
2nd	2nd button pressed.	First press the 2nd button then press another button to use its 2nd function. Press the power button to cancel. Press the 2nd button twice to enter the calibration mode.