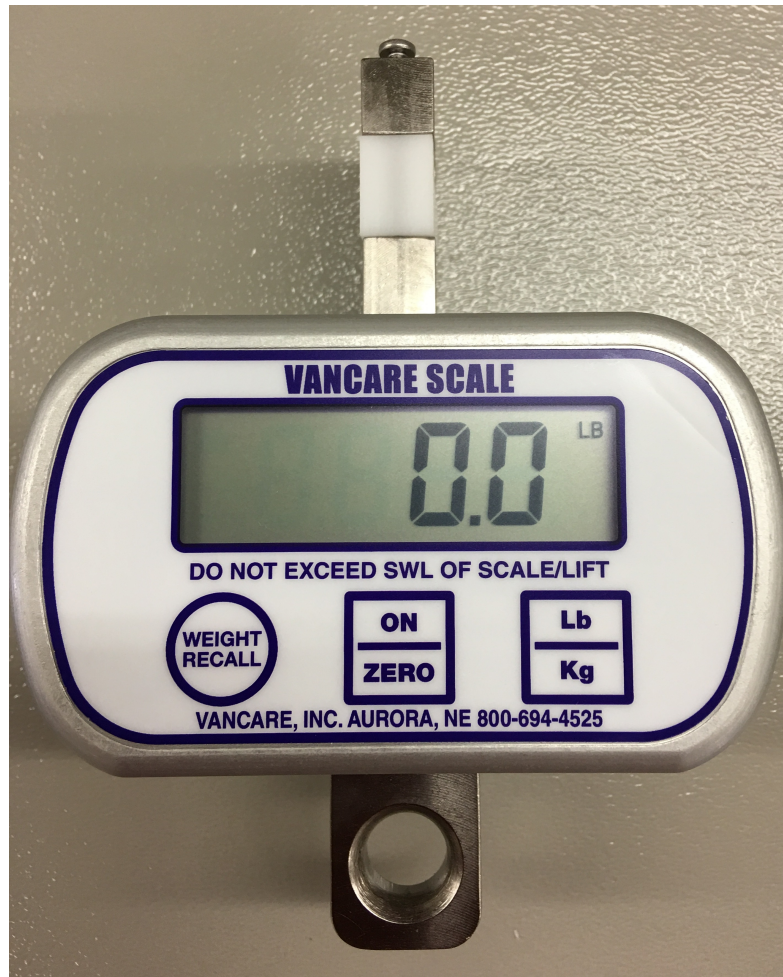


Model – 1300 Series



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Introduction -

Please take the time to read and understand the scale system and lift manuals and follow all recommended instructions to avoid serious injury. Do not attempt to operate the scale system without properly understanding this manual and the scales intended purpose.

Cautions and Warnings -

- **Caution:** This scale system is designed for use with approved lifter designs employing compatible boom and hanger configurations; consult the lifter manual and or manufacturer to verify compatibility and proper installation.
- **Warning:** The scale system has a lifting capacity of 600lb (270kg); do not exceed the SWL of the lifter.
- **Caution:** This device is intended to obtain patient weight during transfer (Example: Bed to Chair). This device is not intended for use during patient transport and should be removed in such case to avoid injury.
- **Caution:** Keep all components of the scale system in a clean, dry, temperature controlled environment.
- **Caution:** Keep all components of the scale system clean and dry, and have electrical and mechanical safety checkpoints perform as instructed in the "Care and Maintenance" section. Following and adhering to the "Care and Maintenance" section will maintain the scale system in a safe working condition.
- **Warning:** Dispose of batteries safely. Batteries may explode, leak, and cause personal injury if disposed improperly. If battery acid comes into contact with skin or eyes, flush immediately with water.
 - Do not dispose of batteries in fire.
 - Do not short the battery terminals.
 - Upon disposal insulate terminals with adhesive tape. If not done, the residual electricity in the batteries may cause fire or explosion.

Operation -

1- To turn on the scale, press the "ON/ZERO" pad. The display will perform a startup sequence, showing the firmware version (ex. U 4.1) and the current battery voltage (b 9.0), then settle on a weight.

2- Place the sling onto the spreader bar. Make sure that no part of the sling or spreader-bar is touching the floor or any object. Press the "ON/ZERO" pad to zero the display. The display will show the word "ZEro" while the pad is pressed, then will go to 0.0 when the pad is released. If dashed lines are displayed the unit is unstable; please ensure that it is not touching any objects and zero again.

3- Place the sling around the patient per the Lift Manufacturer's instructions. Lift the patient clear of all contact with the bed/chair. Read the patient's weight on the scale display. If the display turned off before lifting the patient, simply press the "ON/ZERO" pad to turn the scale on and read the weight (be careful to press the "ON/ZERO" pad only once to turn the scale on, or the display may be inadvertently zeroed while the patient is in the sling). **If the scale is inadvertently zeroed the patient weight will be negative but accurate when patient is removed.**

4- To change the display unit from lb to kg or from kg to lb, press and hold the "LB/KG" pad for approximately 3 to 4 seconds. The display will show the "conv" message then go blank and the unit annunciator will change from LB to KG or from KG to LB. Release the "LB/KG" pad after the unit annunciator changes. **(Some models may not have this option; those models would only display lb or kg.)**

5- To recall the last patient's weight, the scale must first be turned on. Press the center of the "RECALL" pad to the left of the "ON/ZERO" pad on the front of the scale. The display will show the message "rECL" then alternately flash between the stored weight and the "rECL" message.

6- If the battery symbol appears, replace the battery with a 9 Volt alkaline battery. The battery access cover is on the back of the scale.

Care and Maintenance -

The scale system is subjected to wear and tear, and the following maintenance instructions must be acted upon when specified to ensure that the scale system remains within its original manufacturing specifications.

Before each use –

- inspect scale system for damaged, missing, or broken parts
- inspect load cell assembly for wear or loose parts
- inspect battery is not leaking

Every 6 months -

- calibration traceable to NIST Standards and full range load test(capacity of scale)
- inspection of scale system by authorized personnel

Warning – The care and maintenance described above is the minimum the manufacturer recommends. In some cases more frequent inspections should be carried out. Continuing to use the scale system without conducting regular inspections or when a fault is found will seriously compromise the safety of the user and of the resident. Local regulations and standards may be higher than those of the manufacturer. A load test, capacity of scale system, is recommended. The “Care and Maintenance” section can prevent accidents and reduce repair costs.

Calibration -

1- Should calibration be necessary, all that is required is a 25 lb. precision weight (Class F or better with traceability to NIST Standards)

2- To enter the calibration mode, first press and hold the “ON/ZERO” pad. While holding the “ON/ZERO” pad press and hold the “LB/KG” pad. After approximately 3 seconds the message on the display will change from “ZEro” to “EntC”. Release both pads at this time and the display will show a number for about 3-5 sec. and then it will show “CAL 0”

3- Make sure the sling is empty and press the “ON/ZERO” pad. The indicator will count down from -8- to -0- while taking readings and store the zero point. When finished, the indicator will show the “C 25” message.

4- Place a 25 lb test weight in the sling and press the “ON/ZERO” pad once again. The indicator will count down from -8- to -0- while taking readings and calculate and store the span calibration. The indicator then automatically returns to the normal weighing mode. Calibration is now complete.

NOTE – Some models permit/require calibration at a different weight other than 25lb or 10kg. Some models have a fixed weight, others are adjustable. The adjustable models permit the end user to increase the calibration point in increments of 5lb or 5kg from the designated standard 25lb or 10kg. Please reference “Optional Software Features” within the manual for more details.

Optional Software Features (Model Specific)

Depending on the model and/or specifications of the scale unit, the end user may have the ability to change some features. The three features that can be changed are: the unit of measure (lb/kg), On-Time of the unit, and the calibration point. The lb/kg feature permits the scale to display either lb or kg, only lb, or only kg. The On-Time feature designates the auto shut-off time of the scale; one, two, or three minutes. The calibration point designates a new value above the standard weight in increments of 5lb or 5kg. Follow the steps below within the menu to change the features to suit your application, if applicable.

For unit of measure changes -

1. Press the On/Zero button to turn the scale on.
2. Once the scale is on and has gone thru the start-up sequence, press and hold the on/zero button first, while depressing the on/zero button press and hold the recall button for about 3 seconds. (Both buttons must remain depressed.)
3. "Unit" will be displayed and lb and kg will be visible on the top right and bottom right corners of the display. If you press the conv button, the kg symbol will go away and lb symbol will still be visible, and if you press conv button again lb will go away and kg symbol will be visible. Press it a third time and both units will appear. Which ever unit you want the scale to function with, the unit of measure needs to be visible. If you want both units to function then both units need to be visible.
4. When you have selected the unit(s) desired press the recall button and On 1 will appear which is for the On-Time of the scale. If you want to change the On-Time of the scale then follow the step 4 below in "For On-Time", if not press recall once again and the scale will return to its normal weighing function and be ready for use.

For On-Time -

1. Press the On/Zero button to turn the scale on.
2. Once the scale is on and has gone thru the start-up sequence, press and hold the on/zero button first, while you still hold the on/zero button, press and hold the recall button for about 3 seconds. (Both buttons must remain depressed.)
3. "Unit" will be displayed on the screen. If you want to change the units follow steps 3-4 from "For unit of measure changes", but if you just want to change the On-Time press the recall button and follow the step below.
4. On 1 will be displayed on the screen. This means the scale will stay on for one minute. If you need two or three minutes then press the conv button and then it will display On 2 and/or On 3. After you have chosen the On-Time you want then press recall button again and the scale will go back to its normal weighing function and ready for use.

***Note -** If by accident you get on this features menu and you don't want to do any changes to the scale, press recall button when "Unit" is displayed on the screen. Then On 1 will be displayed. Press the recall button once again and the scale will return to its normal weighing function and be ready for use.

For adjusting calibration point -

1. Press the On/Zero button to turn the scale on.
2. Once the scale is on and has gone thru the start-up sequence, press and hold the on/zero button first, while you still hold the on/zero button, press and hold the lb/kg button for about 3 seconds. (Both buttons must remain depressed.)
3. EntC will be displayed then a number and then "CAL 0". When "Cal 0" is displayed on the screen press the On/Zero button and the scale will start a countdown from -8-to -0-. This is part one of the calibration.
4. After the countdown finishes "C 25" will be displayed. To change the calibration point press the lb/kg button and then Adj will pop up and right after the 25 will flash.
5. Press the lb/kg button to increase the calibration point (it increases in 5lb or 5kg increments) until the desired weight is reached. To decrease the weight press the "recall" button (25lb is the lowest calibration point).
6. When you have chosen the calibration point press the On/Zero button. It will save it and display it (ex. C 75).
7. Place the weight in the sling or on the platform (depending on your unit) and press the On/Zero button. The scale will countdown from -8- to -0-. Once the countdown finishes the scale will be calibrated and ready for use.