

# BED SCALE 1000



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The Bed Scale 1000 employs the latest in microprocessor and load cell technology to provide accurate and repeatable weight data. Four (4) identically matched transducers are strategically placed to ensure an accurate representation of the patient's weight regardless of weight distribution.

The Patient's weight is displayed on a 16 character dot matrix liquid crystal display with L.E.D. backlighting. Patient weight may be viewed in both POUNDS and KILOGRAMS with the push of a button with a displayed resolution of 0.1 #/Kg (100 grams). The 1226 also features a WEIGHT CHANGE mode which makes it convenient to monitor the patient's weight relative to ZERO in order to observe variations in weight. A FREEZE feature is provided to give the added convenience of being able to adjust the patient's comfort by adding a pillow, book or adjusting the bed without effecting the patient's displayed weight



*Scale is used with  
the Baribed 1000*





## SYSTEM OPERATION



### SYSTEM ZERO

- Before the patient is placed on to the bed you must first set the system to zero. This is done as follows:
  - Sets the initial system zero reference.
1. Press and Hold the “0.0” button. The displayed message will indicate “ HOLD TO ZERO “ as the digit to the right counts down.
  2. When the message changes to “ PLEASE WAIT - HANDS OFF “, release the button and do not touch the bed. In a few second the display will indicate

“WEIGHT = 000.0 LB “

The patient may now be placed on to the bed.

**IMPORTANT:** When the “0.0” button is pressed, everything on the weighing surface will be zeroed out on the display. Make sure that all linens, pillows etc... are in place before pressing the “0.0 “ button so that they will not appear as part of the patient’s weight..



## BUTTON FUNCTIONS



After the patient has been placed on the bed, simply press and release the “ ON “ button. The displayed message will read “**PLEASE WAIT - HANDS OFF**”. Do not touch the bed. After a few seconds the patient’s weight will be displayed.

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The **WEIGHT CHANGE** mode is used to monitor the patient’s weight relative to ZERO.

- 1 Press the “ **WT CHG** “ button. The display will read” **WT CHG=(patient weight)**”.
2. Press the “0.0 “ button to set the relative zero.

Any variation in weight will now be viewed as a “+” or “-” figure relative to **ZERO**. Pressing the “**WEIGHT**” button will switch back to the **WEIGHT MODE** allowing you to view the patient’s total weight again.

NOTE: When you reset the system zero, the **WEIGHT CHANGE MODE** will also be reset to zero.

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### **FREEZE/RESUME**

1. Press the “ **FREEZE/RESUME**” button. The display will read “ **FREEZE = (patient weight)** “.
2. Press the “ **FREEZE/RESUME**” button. The display will read “ **FREEZE = (patient weight)** “.

While in the **FREEZE** mode, the “**WEIGHT**” and “**WT/CHG**” keys will allow you to manually adjust the displayed weight reading in the event of a known error. Simply press the “**WEIGHT**” and “**WT/CHG**” keys to make the proper corrections.

NOTE: If **FREEZE** Mode is left unattended for more than 3 minutes, display will read “ **LEFT IN FREEZE - REFER TO MANUAL**”. You must press the “ **FREEZE/RESUME**” button to exit this mode.

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Toggles between **POUNDS** and **KILOGRAMS** display modes.



## MOVING BED and PATIENT



If it becomes necessary to move the Bed and/or Patient while the scale system is active use the following procedure:

1. Press the “**FREEZE/RESUME**” button. The display will read “**FREEZE = (patient weight)**”.
2. Make all necessary adjustments to bed and/or patient.
3. Press the “**FREEZE/RESUME**” button once again to resume normal weight monitoring.

## LOSS OF POWER

If it becomes necessary to remove the batteries while the scale is in use:

1. Note the displayed patient weight before removing batteries.
2. When the power is restored -  
The display will toggle the message “**POWER INTERRUPTED**” - “**PRESS FREEZE**”.
4. Press the “**FREEZE/RESUME**” button to **WAKE-UP** the readout. If the weight reading is correct the system is ready.
5. If the displayed reading is not correct:
  - a) Press the “**FREEZE/RESUME**” button. The display will read “**FREEZE = (patient weight)**”
  - b) Use the “**WEIGHT**” and “**WT/CHG**” keys to ramp the displayed value to the correct weight.
  - c) When done press the “**FREEZE/RESUME**” button once again to save the correction and exit to the normal weighing mode. If you make a mistake, press “**ON**” to abort your changes.

**IMPORTANT: IF YOU DO NOT KNOW THE CORRECT PATIENT WEIGHT YOU MUST REMOVE THE PATIENT FROM THE BED AND RE-ZERO THE SYSTEM.**



## SYSTEM CALIBRATION and MAINTENANCE



**IMPORTANT :** The following calibration procedure should only be performed by qualified service personnel. The 1229B load cell, itself, has no user serviceable components and should not be tampered with for any reason.

Recalibration is generally not required, but should be checked periodically to ensure accuracy.



### **INITIALIZATION and CALIBRATION PROCEDURE :**

#### **I. Initializing**

- Press and Hold the “Weight Mode”, “Wt/Chg” and “On” Simultaneously.
- The Display will read “Hold to Init” and count down from 9 to 0 (zero).
- Release the buttons and the display should read “Initializing”.
- When display returns to normal the system is Initialized



#### **II. Calibration**

1. Press the “**FREEZE/RESUME**” button to enter the **FREEZE MODE**.
2. When the display indicates “FREEZE = (weight)”, press and hold the “LB/KG” button. The display will read “CAL” as the right hand digit counts down to enter the **CAL MODE**.
3. When in the CAL MODE, the Display must be connected to the Bed. A Number will appear on the right side of the display. This number is the “Offset” of the bed. This number should be positive and between 40 and 100 Pounds with bed ready for patient (but no patient in the bed). On PCB1857C2, use R13 to adjust the Offset to proper range (+40 to 100 lbs). Then Press Zero.
4. Place a known weight on to the weighing surface and compare it to the displayed reading.
5. Use the “**WEIGHT**” and “**WT/CHG**” keys to make any necessary adjustments to the displayed value. The displayed value should be within 0.1% of the calibrated weight plus or minus 1 digit of reading.
6. Press “**FREEZE/RESUME**” to save the changes or “**ON**” to abort changes.

