



**Expandable Bariatric Bed  
Model 3975-S (Scale Bed)  
Model 3975-0 (Non Scale Bed)**



**Operation Manual**

**CAMTEC - 1959 CHURCH CREEK RD - CHURCH CREEK, MD 21622  
1-800-866-1156 FAX 410-228-6403 EMAIL [info@camtecproducts.com](mailto:info@camtecproducts.com)  
[www.camtecproducts.com](http://www.camtecproducts.com)**

## CAUTIONS AND WARNINGS

- CAUTION:** ROTATING PARTS. KEEP FINGERS AND ARMS CLEAR OF BED WHEN MECHANISM IS MOVING.
- CAUTION:** PINCH POINT. KEEP OBJECTS AWAY FROM THESE AREAS WHILE BED IS IN MOTION.
- CAUTION:** ELECTRICAL HAZARD MAY OCCUR IF BED IS PLUGGED INTO INADEQUATE POWER SUPPLY. MAKE SURE TO USE A 115 VOLT, 3 PRONG, GROUNDED OUTLET WITH A CAPACITY OF AT LEAST 15 AMPS.
- CAUTION:** KEEP FEET CLEAR OF CASTERS. MAKE SURE CASTERS ARE LOCKED BEFORE TRANSFERING PATIENTS.
- CAUTION:** MAKE SURE THAT THE CORDS FROM THE CONTROL MODULE AND PENDANT ARE PROPERLY POSITIONED BEFORE OPERATING THE BED. DO NOT ALLOW EITHER CORD TO GET CAUGHT IN THE MOVING PARTS OF THE BED.
- CAUTION:** WHEN USING A TURNING MATTRESS, MAKE SURE THERE IS A BOLSTER BETWEEN THE MATTRESS AND SIDE RAIL.
- WARNING:** THE MATTRESS SHOULD NOT HAVE ANY GAP GREATER THAN TWO INCHES FROM THE SIDE RAILS TO PREVENT A PERSON OR BODY PARTS FROM FALLING BETWEEN THE SIDE RAILS AND THE MATTRESS.
- WARNING:** KEEP ALL OBJECTS OUT FROM UNDER BED. CERTAIN PARTS UNDER THE BED RAISE AND LOWER WHEN THE BED IS IN MOTION.
- WARNING:** DO NOT PLACE ARMS OR HEAD INTO FRAME WHILE OPERATING. STAND CLEAR OF THE BED FRAME BEFORE OPERATING.
- WARNING:** DO NOT OPERATE THIS DEVICE IF THE POWER CORD OR ANY OF THE CORDS COMING FROM THE CONTROL MODULE ARE CUT, FRAYED OR LOOSELY CONNECTED.
- WARNING:** DO NOT SERVICE THE BED WITHOUT FIRST DISCONNECTING THE POWER CORD.
- WARNING:** THE BED MUST BE UNPLUGGED FROM THE WALL SOCKET PRIOR TO USING THE EMERGENCY CRANK. FAILURE TO DO SO MAY RESULT IN DAMAGE TO THE BED AND INJURY TO THE PERSONNEL USING THE CRANK.



## SPECIFICATIONS

<b>Weight Capacity</b>	<b>1000 lbs.</b>
<b>Overall Width</b>	<b>39.5", expandable to 56.5"</b>
<b>Overall Length</b>	<b>89"</b>
<b>Mattress Pan</b>	<b>Width adjustable to 37", 48" or 54"</b>
<b>Pan Height</b>	<b>Lowest position (from floor)18" - Highest position 30"</b>
<b>Head Fowler</b>	<b>Adjustable up to 70 degrees</b>
<b>Foot/Knee Gatch</b>	<b>Adjustable up to 40 degrees</b>
<b>Trendelenberg</b>	<b>Adjustable up to 12 degrees</b>
<b>Reverse Trend.</b>	<b>Adjustable up to 12 degrees</b>
<b>Side Rails</b>	<b>Head end standard, 3 position swing type</b>
<b>Casters</b>	<b>Diameter: 6" Width: 3"</b> <b>Operated by central steer / lock system</b> <b>Tread Guards: Non-marring</b>
<b>Options</b>	<b>Trapeze, 3-way adjustable</b>  <b>Side rails, foot end</b>  <b>Pads for side rails</b>  <b>Mattress</b>  <b>Mattress extension, extends pan 10"</b>  <b>Scale built-in, range up to 1000 lbs.</b>

# OPERATION

## Five Function Hand Pendant Operation

The **HEAD** up and down buttons cause the head of the bed (Fowler) to raise and lower.

The **FOOT** up and down buttons cause the knees and lower portion of the legs (Knee Gatch) to be raised and lowered.

The **BED** up and down buttons cause the height of the bed to raise and lower.

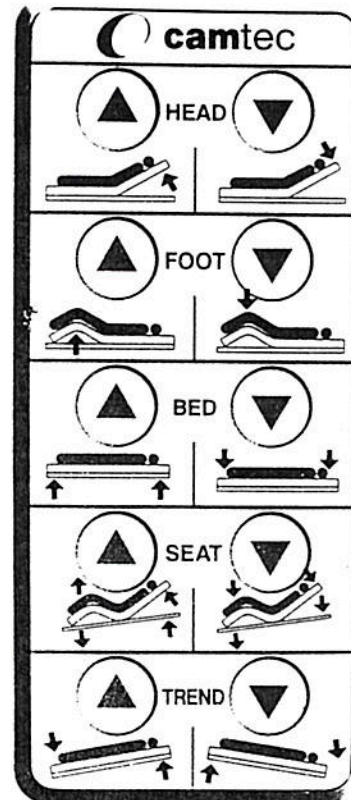
The **SEAT** up button causes the bed to go into a modified cardiac chair position. The head section and head end of the bed will raise, the knee section will raise and the foot end of the bed will lower.

The **SEAT** down button will cause the bed to return to a supine position

The **TREND** down button will cause the foot end of the bed to raise and the head end to lower with a limiting angle of 12 degrees.

The **TREND** up button will cause the foot end of the bed to go down and the head end of the bed to raise until reaching a limit of 12 degrees.

The bed contains four electric drive modules. Hand cranks are also supplied, at each end of the bed, which can be used to adjust the bed in the case of a power or actuator failure. The bed should be unplugged before using hand crank.

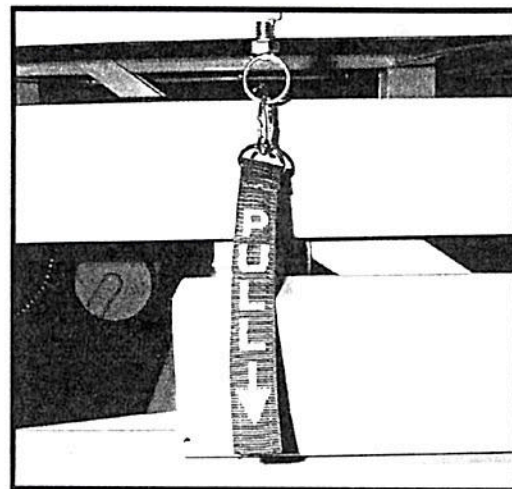




## OPERATION (continued)

### ADJUSTING THE BED WIDTH

1. Raise the bed to the highest position.
2. Pull down on the blue lanyard to disengage the locking pin. A slight inward or outward pressure on the expansion pan may be Required for ease in disengaging the locking pin.
3. Move adjustable mattress pan section about 1" in desired direction.
4. Release the blue lanyard.
5. Move adjustable mattress pan section in desired direction until locking pin snaps into locking hole.
6. Repeat this procedure until all adjustable mattress pan sections are at the desired locations.



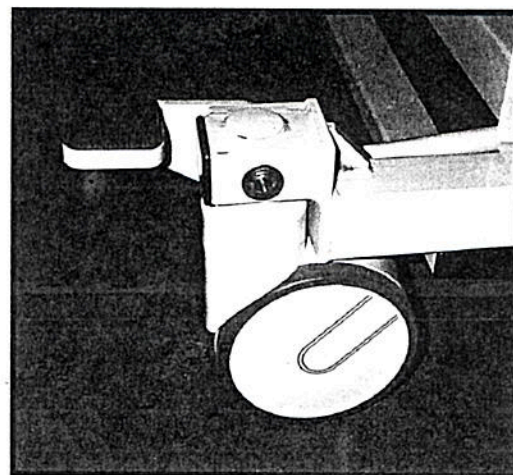
Adjustable Mattress Pan  
and Blue Lanyard

### OPERATING THE STEERING/LOCK SYSTEM

The steering and total lock mechanism can be applied from either end of the bed. To apply the lock on all four casters, depress the pedal (marked lock) located to your right as you are standing at either end facing the bed. To apply the steering lock, depress the pedal (marked steer) located on your left side as you are standing at either end of the bed.

Note: The steering lock caster is located at the foot end.

When both pedals are in the level position (neutral position), all casters will roll and swivel in any direction.



Steer Lock pedal—on left casters  
Locking pedal—on right casters  
(not shown)

## SCALE SYSTEM—MODEL 1228

This scale system is quite accurate and user friendly provided you follow the instructions exactly.

The scale has a sensitivity of 0.1 LB. or 1.6 OZ. The scale is sensitive to all the weight above the casters. The placement of any tube between something on the bed such as a patient or something not on the bed such as a respirator will effect the results if the tube moves. Having the bed pendant in someone's hand rather than having the pendant on the bed will also effect the results. A blanket fully on the bed vs. the blanket on the bed with part of it touching the floor will effect the results. All of these things may be insignificant from the overall picture but you should know that the system is very sensitive.

The system has a way of "zeroing out" any of the INVENTORY which you do not desire to weigh. INVENTORY is classified as items such as blankets, pillows, sheets, pumps, and etc. INVENTORY basically includes any items which will be on the bed but which you do not wish to include in the patient's weight.

To accurately measure a patient's weight, place all "INVENTORY" on the bed that the patient will be using all of the time. "ZERO OUT" the bed weight by pressing the 0.0 button and follow the instructions shown on the LCD screen. After performing the detailed instructions, the weight will be indicated as 0.0 lbs on the LCD screen. Keep in mind that anything added to the weight of the bed i.e. charts, pendants, tubes, additional bed linens etc after the bed weight has been zeroed out will be added to the weight of the patient once a true 0.0 is obtained. All of these items should have been placed on the bed when the bed weight was initially being "zeroed out".

Now, place the patient on the bed. The weight that appears on the LCD screen is the actual weight of the patient.

Assuming we now have the patient in the bed and you desire to change some of the INVENTORY. If you change that inventory the scale does not know rather that change in weight was caused by an inventory change or a patient weight change.

The system provides a convenient way for you to exclude the added weight of the INVENTORY. Press the "HAND" (FREEZE / RESUME) button and the screen will show "FREEZE (patients weight)". The system is telling you it has locked in the patient's weight and you can now change what INVENTORY you like. When you do you will see no change on the screen. Press the HAND and you will unfreeze the reading, which will go to WEIGHT (patient weight) LB.

**UNDER NO CIRCUMSTANCES SHOULD YOU PRESS 0.0 WHILE INVOLVED IN CHANGING INVENTORY.**



## SCALE SYSTEM—MODEL 1228 (continued)

The scale system also incorporates a feature which will let you track the weight change of the patient over a period of time.

Push the WT/ CHG MODE button and you will see that the screen reads WT/CHG xxx LB. (As the weight on the bed changes this mode will indicate that change from the time of the 0/0 set.)

This is the only time you can press the 0.0 button with the patient in the bed. Before you press the 0.0 button the screen must read WT/CHG. When you push the 0.0 button and follow the instructions on the screen the screen will read WT/CHG 0.0 lb.

Drainage bags – if drainage bags are used and are attached to the bed, discharge into these bags will be included in the patient weight. The liquid from the bed has not been removed but rather simply transferred from the patient into the bag all of which are measured by the scale. To get a true indication of what's happening you can either take the patient's weight reading and subtract the weight of the fluid in the bag or remove the bag from the bed and then read the patient's weight. Remember anything that stays on the bed is weighed by the scale. For example if 8 ounces of fluid was discharged from the patient into the drainage bag and the bag was still on the bed the scales would be unable to differentiate between the patients weight and what's in the bag.

Patient perspires profusely – in certain cases patients have been known to produce large amounts of perspiration. Here again since the moisture remains on the bed the patients weight will include this moisture so that you do not have a true ideal of the patient's weight.

One way to handle this is to leave the scales in the weight mode and remove as much of the liquid as possible. This will probably have to be done by removing bed clothes, which have absorbed this moisture. After you remove the wet bed clothes you must replace them with dry bed clothes of the exact same type. Now the patient weight as read on the scales will give you a true indication of patient weight.

While doing this procedure do not put the scales in the freeze mode.

OOPS – somebody pressed the 0.0 button with the patient on the bed. What do I do now?

1. If you know the patients weight
  - A. Press the WEIGHT MODE button to put the readout into the weight mode.
  - B. Press the HAND (FREEZE/RESUME) and the screen will read FREEZE LB.

## SCALE SYSTEM—MODEL 1228 (continued)

- C. Press and hold the weight mode button until the lb. read on the screen = the patients weight. This will take some time but just be patient. As the screen counts up it may pause momentarily while it digests the information input. Keep your finger on the weight mode until you get to the patient's weight. (Pressing the WT/CHG will decrease the weight reading. To be used if you over shoot the desired weight reading.)
  - D. When you get to the desired patient weight press the HAND (FREEZE/RESUME) and screen will display the patients weight you have just put into the system.
2. If you do not know the patient's weight remove the patient from the bed and initialize the system by pressing the 0.0 button and follow the instructions on the screen. After the screen reads weight 0.0 lbs. you may put the patient back into the bed.

You will find condensed instructions following and a placard should be attached to the foot board of the bed outlining these procedures.