

SR Scales™

by SR Instruments, Inc.



Model SR453 Platform Scale System

OWNERS MANUAL

SR Instruments, Inc. 600 Young Street, Tonawanda, NY, 14150
Tel: (800)654-6360 Fax: (716)693-5854



MODEL 453 Platform Scale

OWNERS MANUAL

Table of Contents

SECTION I OPERATION and MAINTENANCE

System Description and Specifications	Page 1
System Operation	Page 2
System Calibration and Maintenance	Page 4
System Care and Cleaning	Page 4

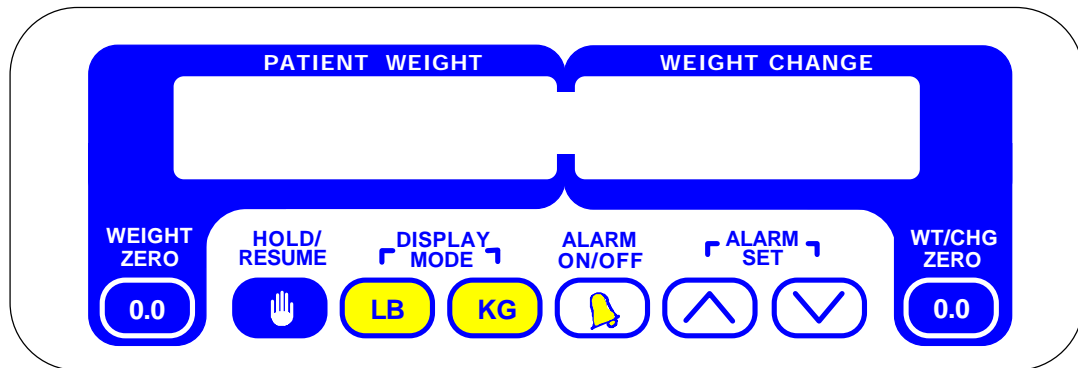
MODEL SR453 PLATFORM SCALE SYSTEM

SR453 PLATFORM SCALE- is a precision digital scale system specifically designed for use in your facility as either a **Chair Scale** or as a **Stand-On Scale** depending on the patient's mobility level. *Walkers* or *Chairs* may be placed on the platform to suit all patient needs. The SR453 Scale System employs the latest in microprocessor and load cell technology to provide repeatable and accurate weight data. *The Four (4) identically matched load cell transducers* are placed precisely 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 LCD**. With the push of a button, patient weight may be viewed in either **POUNDS or KILOGRAMS** with a displayed resolution of **0.1 lb / 0.1 kg (100 grams)**.

The SR453 is designed for long term weight monitoring and is **UL544/CSA** listed.

SPECIFICATIONS

Maximum Capacity	800 LB's / 360Kg's
Display Resolution	0.1 LB's / 0.1 Kg's (10 grams)
Accuracy	0.1% +/- 1 digit of reading for calibrated range.
Display Type	16 character dot matrix L.C.D.
ZERO	One Button Auto-Tare
Damping	Automatic digital filter
Power Supply	110vac 50/60Hz UL544 CSA
Warranty	Four Years Parts and Labor



INITIALIZING SYSTEM ZERO :

Note: When Power is first applied to the system, the display will read " **POWER INTERUPED - REFER TO MANUAL**". This indicates that there was an interruption in power and to check the patient weight. To reset the system press the "**HOLD/RESUME**" button.

SYSTEM ZERO - Before positioning the patient on to the scale you must first set the Initialize System Zero as follows.

1. Prepare the platform for patient with any accessories in place (chair, walker, etc...).
2. Press and HOLD the "**WEIGHT ZERO**" button until the display reads "**HANDS OFF - PLEASE WAIT**". Release Button.

DO NOT TOUCH THE SCALE DURING THIS PROCESS.

3. When the display reads " **0.0LB +0.0**" the patient may be positioned on to the scale.
4. When the Patient is on the scale the display will indicate (ie.) " **123.4LB +123**".
5. Note:The SR453 automatically displays both the patient weight and weight change simultaneously so that you may monitor + and - fluctuations in weight. Press and HOLD the "**WT/CHG ZERO**" button to set the weight change to ZERO. The display will indicate "**123.4LB +0.0**".

HOLD/RESUME - The "**HOLD/RESUME**" mode allows you to "*Freeze*" the displayed weight value so that you may make adjustments without effecting the displayed patient weight.

1. Press the "**HOLD/RESUME**" button. The displayed message will read "**HOLD = (current weight)**".
2. Make any necessary adjustments (ie : add a pillow).
3. When adjustments are completed, press "**HOLD/RESUME**" once again to resume normal weighing.

ALARM - When programmed, the ALARM will alert you when there is a change in weight outside of your pre-set parameters. The value is programmed using the "UP" and "DOWN" arrow keys. The increments you may set are : .5, 1.0, 2.0, 5.0 and 10.0 Lbs or Kilos. Press the "**ALARM ON/OFF**" button to activate and deactivate the alarm. When active, an "A" will appear in the far right of the display. The alarm also has an output for a nurse call. This feature has many uses from day to day weight monitoring to an Exit Alarm.

LOSS of POWER:

The display will toggle the message "**POWER INTERRUPTED / REFER TO MANUAL**".

Press the "**HOLD/RESUME**" button to *WAKE-UP* the readout. If the weight reading is correct the system is ready.

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

SYSTEM CALIBRATION and MAINTENANCE

IMPORTANT : The following calibration procedure should only be performed by qualified service personnel. The S453 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.

CALIBRATION PROCEDURE :

1. Press the "LB" and "KG" buttons simultaneously.
The display will read "CAL = (raw data)"
2. Press the "WEIGHT ZERO" button to set the displayed value to ZERO.
3. Place a known calibrated weight onto the weighing surface.
4. Use the "UP" and "DOWN" arrow keys to adjust the displayed value to the calibrated weight.
5. Remove the weight re-zero the display and repeat steps 1-4 to assure your data is consistent.
6. When calibration is completed press "HOLD/RESUME" to save your calibration data or press "ALARM" to abort all of your changes and exit the CAL mode.

CALIBRATION TOLERANCE TABLE

LOW LIMIT	APPLIED LOAD	HIGH LIMIT
99.9	100.0	100.1
199.8	200.0	200.2
299.7	300.0	300.3
399.6	400.0	400.4
499.5	500.0	500.5
599.4	600.0	600.6

SYSTEM CARE and CLEANING

CLEANING and DISINFECTING:

The readout and transducer housings for the SR453 Scale System are made of aluminum with a painted surface, and ABS plastic. You need only exercise caution when cleaning the display window as this is made of clear polyester . We recommend mild soap and water for general cleaning and disinfecting.

SRScales™
by SR Instruments, Inc.

600 Young St., Tonawanda, NY 14150
TEL: 1(800)654-6360 FAX: 1(716)693-5854