

# **SR Scales**<sup>®</sup>

by **SR**<sup>®</sup> Instruments, Inc.

**Model SRV946**



**Portable Platform Scale**

## **Operating and Service Manual**

*Serial Numbers: 1000+*

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## TABLE OF CONTENTS

<b>TABLE OF FIGURES.....</b>	<b>2</b>
<b>PACKING CHECKLIST – MODEL SRV946.....</b>	<b>3</b>
<b>ASSEMBLY.....</b>	<b>4</b>
<b>REPLACEMENT PARTS AND ACCESSORIES .....</b>	<b>5</b>
<b>SYSTEM DESCRIPTION AND INTENDED USE.....</b>	<b>5</b>
<b>MAINTENANCE AND CLEANING.....</b>	<b>6</b>
<b>STORAGE AND TRANSPORTATION .....</b>	<b>6</b>
<b>SPECIFICATIONS.....</b>	<b>7</b>
<b>BUTTON FUNCTIONS .....</b>	<b>8</b>
<b>BASIC SYSTEM OPERATION.....</b>	<b>8</b>
<b>BATTERY REPLACEMENT .....</b>	<b>9</b>
<b>CALIBRATION.....</b>	<b>10</b>
<b>TROUBLESHOOTING .....</b>	<b>11</b>
<b>WARRANTY.....</b>	<b>12</b>
<b>NOTES.....</b>	<b>13</b>

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## TABLE OF FIGURES

<b>Figure 1: SRV946 Platform and Display .....</b>	<b>4</b>
<b>Figure 2: Button Display .....</b>	<b>8</b>
<b>Figure 3: Button Display .....</b>	<b>10</b>

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## PACKING CHECKLIST – Model SRV946 Platform Scale

√	DESCRIPTION	QUANTITY
	SCALE PLATFORM	1 ea
	DISPLAY UNIT	1 ea
	DISPLAY CABLE	1 ea
	ANTI-SKID MAT	1 ea
	9 VOLT BATTERY	1 ea
	CALIBRATION CERTIFICATE	1 ea
	WARRANTY CARD	1 ea
	MANUAL	1 ea

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## ASSEMBLY

**STEP 1:** Unpack the scale system and check parts against the **PACKING CHECKLIST**. If there are any missing or damaged parts, please call the service Hotline: 1-800-654-6360.

#	PART NAME
1	Display Unit
2	Scale Platform

**STEP 2:** Verify that the serial number on the Display Unit (1) matches that on the Scale Platform (2).



**Figure 1: SRV946 Platform and Display**

**STEP 3:** Remove the battery drawer on the back of the Display Unit and insert the 9-volt battery.

**STEP 4:** Replace the battery drawer and snap into place.

**STEP 5:** Connect the display cable to the cable connector on the Scale Platform and Display Unit.

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## REPLACEMENT PARTS AND ACCESSORIES

Part #	Description
SRV946MT	Anti-Skid Mat
SE7576	Display Cable

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## SYSTEM DESCRIPTION AND INTENDED USE

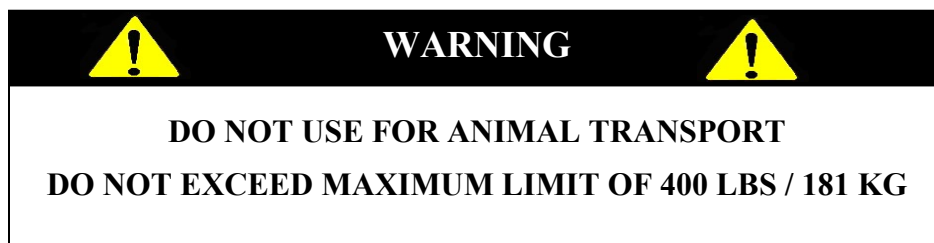
### SYSTEM DESCRIPTION

The SRV946 Platform Scale is a low profile design, 1-7/8 inch height, which allows the animal easy step-on and off access. The SRV946 Scale can be used in a fixed location or as a portable scale. The scale 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.

The patient's weight is displayed on an LCD screen. With a push of a button, weight data may be viewed in either pounds or kilograms.

### INTENDED USE

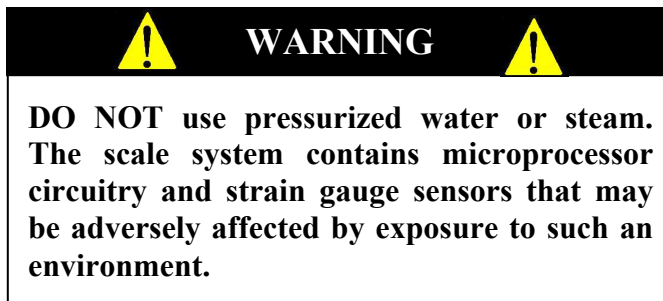
The SRV946 Portable Platform Scale is a lightweight portable scale designed for use as a weighing system for animals not exceeding 400 pounds or 181 kilograms, gross weight. Please read the following warnings to avoid injury to the animal or attendant.



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## MAINTENANCE and CLEANING

The Display Unit for the SRV946 Portable Platform Scale is made with powder-coated aluminum. Exercise caution when cleaning the display window as it is made of a clear plastic and can be scratched by abrasive cleaners. Mild soap and water is recommended for general cleaning and disinfecting.



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## STORAGE and TRANSPORTATION

### STORAGE

If storing this equipment for periods longer than three (3) months, remove the battery. To maintain proper operation of this instrumentation, storage and transport conditions should not vary outside the following conditions: Relative Humidity 0% to 85%, Ambient Temperature 14°F to 122°F (-10°C to +50°C).

### TRANSPORTATION

The SRV946 Portable Platform Scale has a recessed handle on the underside of the scale for easy portability.

## SPECIFICATIONS

<b>MAXIMUM WEIGHT CAPACITY</b>	400 lb / 181 kg
<b>PLATFORM SIZE</b>	24 in x 46 in x 1 7/8 in (61 cm x 117 cm x 4.8 cm)
<b>DISPLAY TYPE</b>	1.0" LCD display with 5 active digits
<b>DISPLAY RESOLUTION</b>	0.2 lb / 0.1 kg
<b>ACCURACY</b>	0.1% +/- 2 digits of displayed resolution for calibrated range
<b>AUTO ZERO</b>	One button operation
<b>AUTO POWER DOWN</b>	Approximately 120 seconds
<b>HOLD</b>	Freezes the weight on the display
<b>AVERAGING</b>	Automatic digital filter
<b>POWER SUPPLY</b>	One 9 volt battery
<b>CALIBRATION</b>	Calibration is traceable to NIST standards; factory calibrated to 400 lbs +/- .2 lb.
<b>OPERATING CONDITIONS</b>	Normal operating conditions for this product: Ambient Temperature Range: 68°F to 85°F (20°C to 30°C), Relative Humidity Range: 0%-85%. Avoid exposure to high-pressure water or steam.
<b>TRANSPORT and STORAGE</b>	Storage and transport conditions should not vary outside the following conditions: Relative Humidity 0% to 85%, Ambient Temperature 14°F to 122°F (-10°C to +50°C). Remove batteries if storing longer than three (3) months.

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## BUTTON FUNCTIONS



**Figure 2: Button Display**

- HOLD** The “**HOLD**” button is used to lock the current weight on the display. When the “**HOLD**” button is pressed, an arrow is displayed on the lower left side of the display. **Note:** Hold button will wait until the display is stable to lock in.
- UNIT** The “**UNIT**” button is used to select pounds or kilograms.
- ON**  
**ZERO**  
**OFF** The “**ON/ZERO/OFF**” button is used to turn the scale on or off. It is also used to zero the display. Holding the “**ON/ZERO/OFF**” button will manually shut down the scale.
- TARE** The “**TARE**” button is used to subtract additional items the patient may have during the weighing process (ex: container).
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## BASIC SYSTEM OPERATION

### TURNING SYSTEM ON

Make sure the scale is free and clear of any obstructions and all four feet are touching a level surface. Press the “**ON/ZERO/OFF**” button. The display will read “**0.0**” when system is ready for weighing.

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## BASIC SYSTEM OPERATION cont'd

### UNIT

Press the “UNIT” button to toggle between pounds or kilograms. The system will remain in the same mode as last used unless manually changed. (Example: If the last weight displayed was in kilograms and the scale shuts down, the weight mode will be in kilograms when the scale is turned back on.)

### HOLD

The “HOLD” button is used to lock the weight on the display. The HOLD ► arrow on the left side of the display will flash when the weight is locked in. To disable the hold function, press the “HOLD” button again and the display will zero.

### TARE

The “TARE” button is used to subtract the weight of items included in the weighing process other than the patient. Example: If a container is being used, it must be placed on the scale and the “TARE” button pressed. Display will read “0.0”. The scale is in the NET mode and will read the patient’s net weight when placed on the scale in the container.

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## BATTERY REPLACEMENT

The Portable Platform Scale contains one (1) 9-volt battery in the rear of the Display Unit. The low battery indicator is displayed when the battery replacement is required.

**STEP 1:** Remove the battery drawer on the back of the display and replace the 9-volt battery.

**STEP 2:** Replace the battery drawer and snap into place.

## CALIBRATION

**! IMPORTANT !**

**CALIBRATION CHECK** Qualified service personnel only should perform this procedure. Load cells have no user serviceable components and should not be tampered with for any reason. Re-calibration is generally not required, but should be verified periodically to ensure accuracy. The recommendation for calibration check is at least once every 12 months, or as individual maintenance policy requires.



**Figure 3: Button Display**

**NOTE:** Ensure that nothing is in contact with the scale system during this procedure and that all four (4) feet are touching a level surface. Remove hands from the system when noting the displayed calibration results. (Use a known calibrated weight traceable to NIST.)

**STEP 1:** Press the “ON/ZERO/OFF” button to turn the scale on.

**STEP 2:** Press “UNIT” button and toggle to select lb.

**STEP 3:** Press and hold the “TARE” button until UNIT is displayed.

**STEP 4:** Toggle the “HOLD” button to read CAL then press “TARE”.

**STEP 5:** DISPLAY will read FULL, ½, or ¼. Use “HOLD” button to toggle to the weight your using. Refer to chart below:

¼ for 100 lb weight  
½ for 200 lb weight  
FULL for 400 lb weight

Once correct weight is selected, press “TARE” button; the display will read “0.0 LB”.

**STEP 6:** Load selected applied weight. (Scale will read a span count); wait for it to stabilize.

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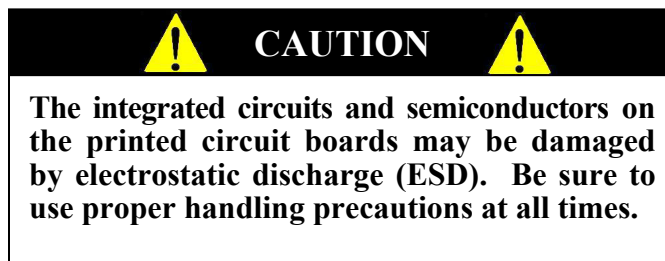
## CALIBRATION cont'd

**STEP 7:** Press “**TARE**” button (SAVE will appear on the display) then display will read the selected applied weight:

100.0 lb, 200.0 lb, or 400.0 lb.

**STEP 8:** Remove the weight and the display will read “**0.0 LB**”.

**STEP 9:** Calibration is completed; turn scale off.



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## TROUBLESHOOTING

SYMPTOM	REASON/CORRECTIVE ACTION
Display reads LOW	Battery needs to be replaced.
Display reads LOW	Ensure scale is on a level surface. Check to make sure all four feet are touching ground and ensure that nothing is touching bottom or sides of platform.
<b>For additional information or assistance, phone our Service Hotline: 1-800-654-6360 or e-mail: <a href="mailto:sri@srinstruments.com">sri@srinstruments.com</a></b>	

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## WARRANTY

### TWO (2) YEAR LIMITED WARRANTY

Each **SR Scales**® system is manufactured with high quality components. SR Instruments, Inc. warrants that all new equipment will be free from defects in material or workmanship, under normal use and service, for a period of two (2) years from the date of purchase by the original purchaser. Normal wear and tear, injury by natural forces, user neglect, and purposeful destruction are not covered by this warranty. Warranty service must be performed by the factory or an authorized repair station. Service provided on equipment returned to the factory or authorized repair station includes labor to replace defective parts. Goods returned must be shipped with transportation and/or broker charges prepaid. SR Instruments, Inc.'s obligation is limited to replacement of parts that have been so returned and are disclosed to SR Instruments, Inc.'s satisfaction to be defective. The provisions of this warranty clause are in lieu of all other warranties, expressed or implied, and of all other obligations or liabilities on SR Instruments, Inc.'s part, and it neither assumes nor authorizes any other person to assume for SR Instruments, Inc. any other liabilities in connection with the sale of said articles. In no event shall SR Instruments, Inc. be liable for any subsequent or special damages. Any misuse, improper installation, or tampering, shall void this warranty.

### DAMAGED SHIPMENTS

Title passes to purchaser upon delivery to Transportation Company. Any claims for shortage or damage should be filed with the delivery carrier by purchaser.

### RETURN POLICY

All products being returned to SR Instruments, Inc. require a Return Goods Authorization number (RGA). To receive an RGA, call our Technical Service Team at 716-693-5977 or toll-free in the USA and Canada at 800-654-6360.

When inquiry is made, please supply model and serial numbers, purchase order, if the scale was bought on contract, and reason for return.

Generally, deleted, damaged, and outdated merchandise will not be accepted for credit. A minimum restocking charge of 15% will be assessed on return of current merchandise.

All returns are to be shipped FREIGHT PREPAID to: SR Instruments, Inc., 600 Young Street, Tonawanda, NY 14150.

### RESTOCKING FEE

- **15% fee** for any scale that has been opened and used
- **10% fee** for any scale returned that has been ordered incorrectly or refused delivery with no model change
- **5% fee** if an error in ordering has been made and a different model exchanged
- **No fees** will be charged if the scale is returned because of an error on the part of SR Instruments, Inc.
- **No returns** accepted after 60 days.

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## NOTES

# **SR Scales**<sup>®</sup>

By **SR**<sup>®</sup> Instruments, Inc.

**Precision & Technology in  
Perfect Balance**<sup>®</sup>