



**SRV947IFS-BT**  
**Remote Display Platform Scale**  
**App Enabled Wireless**

**Operating and Service**  
**Manual**

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## PACKING CHECKLIST – Model SRV947IFS-BT Portable Platform Scale

√	DESCRIPTION	QUANTITY
	PLATFORM PIT FRAME ASSEMBLY	1 ea
	FRONT PANEL/WALL BOX ASSEMBLY	1 ea
	SIGNAL CABLE ASSEMBLY	1 ea
	CONDUIT	1 ea
	CALIBRATION CERTIFICATE	1 ea
	WARRANTY CARD	1 ea
	MANUAL	1 ea

## 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 at: 1-800-654-6360.

**STEP 2:** Verify that the serial number on the label of Wall Box Display matches that on Platform Base.

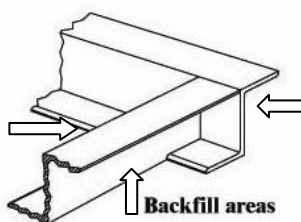
**STEP 3:** (Figure 1) Mount Wall Box Display into wall and run the conduit, with connector cable inside, down through wall and into pit as shown.

**STEP 4:** Prepare pit area to accept the Scale Frame. It is recommended that a properly plumbed drain be installed in the center of pit to avoid any water buildup that might damage scale.

**STEP 5:** Center the Scale Frame in the pit.

**NOTE:** Scale frame dimensions are 52" x 28" x 2" deep. Recommended pit perimeter dimensions are 58" x 34".

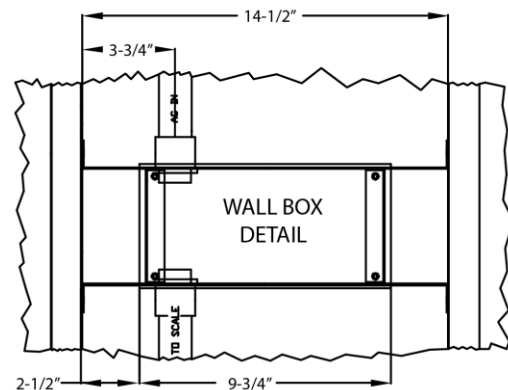
**STEP 6:** (Figure 2) Back fill around the perimeter of the Pit Frame Assembly with 3000PSI concrete. Trowel the concrete level with the scale frame and existing floor. Trowel the base of the pit level with the base of the frame with a gradient toward the centered drain, if used. Conduit and cable should be left free so cable can be easily connected to the Platform Assembly.



**Figure 2: Concrete Fill**

**STEP 7:** When the concrete has set, connect the Cable Assembly to the mating connector on the Platform Assembly.

**STEP 8:** Carefully lower the Platform Assembly into the Pit Frame Assembly. Ensure that Platform feet set into locators on Pit Frame and that extra cable does not interfere with platform.



**Figure 1: Wall Box Assembly/Conduit Placement**

**STEP 9:** Install building ground wire and green ground wire from Display Front Plate into the terminal lug in the wall box

**STEP 10:** Connect signal cable to the mating connector on the Display Front Panel

**STEP 11:** Connect A/C power wires to the power supply wire leads

**STEP 12:** Install Front Panel Assembly to the previously mounted Wall Box. Use supplied star washers and screws. Ensure screws are securely tightened.

**STEP 13:** Restore power to the display

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## REPLACEMENT PARTS AND ACCESSORIES

Part #	Description
CA9261	Display Label
SE6000-6	Signal Cable
MF2284	Replacement Foot

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## SYSTEM DESCRIPTION AND INTENDED USE

### SYSTEM DESCRIPTION

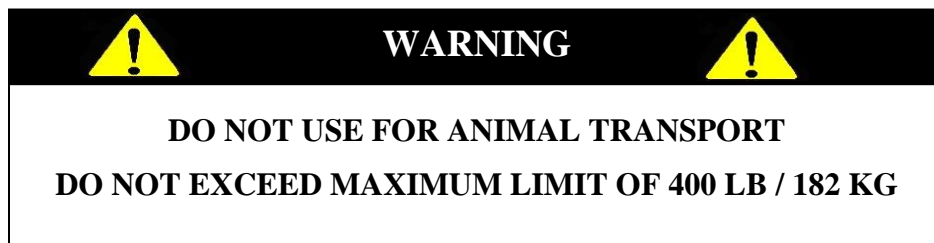
The SRV947IFS-BT Portable Platform Scale is a low profile design which allows the animal easy access. The SRV947IFS-BT Scale employs the latest in microprocessor and load cell technology to provide accurate and repeatable weight data. Six (6) identically matched transducers are strategically placed to ensure an accurate representation of the animal's weight.

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

The SRV947IFS-BT Platform scale is equipped with a Bluetooth wireless module. By waking the scale up with the "weigh" button the wireless feature is turned on. Then use the free SR Scales app (Google Play store) to connect with the scale to allow for remote wireless operation.

### INTENDED USE

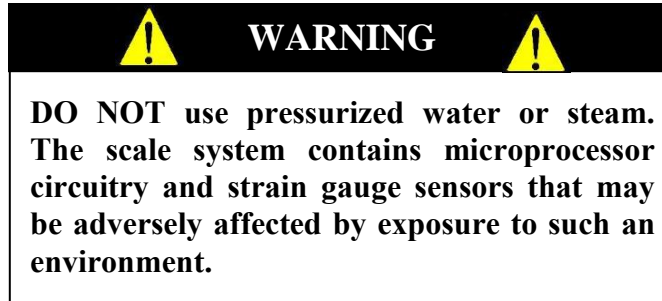
The SRV947IFS-BT Portable Platform Scale is a lightweight portable scale designed for use as a weighing system for animals not exceeding 400 pounds or 182 kilograms, gross weight. Please read the following warnings to avoid injury to the animal or attendant.



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## MAINTENANCE and CLEANING

The SRV947IFS-BT Portable Platform Scale is made with a polyurea-coated aluminum platform. 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

To maintain proper operation of this instrument, 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).

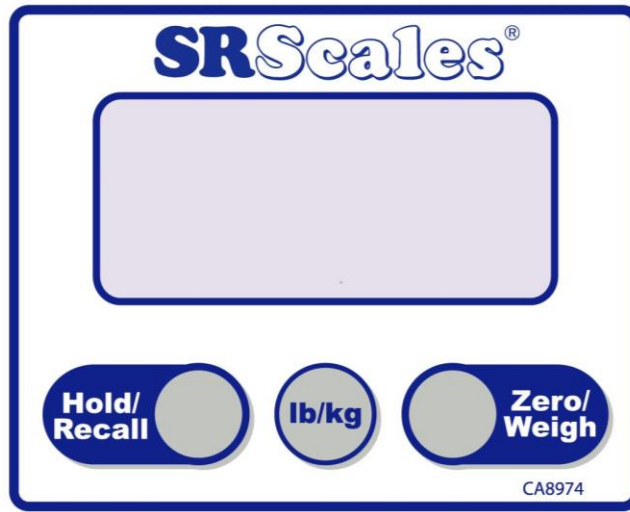
### TRANSPORTATION

The SRV947IFS-BT Portable Platform Scale has four (4) recessed handles on the underside of the scale for easy portability and a pull tab on the platform surface for ease of removal from the pit frame.

## SPECIFICATIONS

<b>MAXIMUM WEIGHT CAPACITY</b>	400 lb / 182 kg
<b>PLATFORM SIZE</b>	24 in x 48 in x 2 in (61 cm x 122 cm x 5 cm)
<b>DISPLAY TYPE</b>	1" digit LCD
<b>DISPLAY RESOLUTION</b>	0.2 lb / 0.1 kg
<b>ACCURACY</b>	0.2% +/- 2 digits of displayed resolution for calibrated range
<b>AUTO ZERO</b>	One button operation / Hold for Zero
<b>AVERAGING</b>	Automatic digital filter
<b>POWER SUPPLY</b>	110v AC, 50-60Hz
<b>CALIBRATION</b>	Calibration is traceable to NIST standards
<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).
<b>BLUETOOTH REQUIREMENTS</b>	Refer to <a href="#">the SR Scales App</a> on the Google Play store for further information.

## BUTTON FUNCTIONS



**Figure 3: Button Display**

- ZERO** The “**ZERO/WEIGH**” button is used to clear the Recall memory and start a new weighing cycle. Press and hold for 3 seconds to zero the display.
- MODE** The “**MODE**” button is used to select pounds or kilograms.
- HOLD/RECAL** The “**HOLD/RECALL**” button is used to “lock in” the weight currently displayed, or to recall the last saved weight, if nothing is on the scale platform.



## BASIC SYSTEM OPERATION

### TURNING SYSTEM ON

Make sure the scale is free and clear of any obstructions and all six feet are touching a level surface. Press the “**ZERO**” button and hold for 3 seconds. The display will read “**ZERO**” then display “**0.0**” when system is ready for weighing.

### UNIT

Press the “**MODE**” button to toggle between pounds or kilograms. The system will remain in the same mode as last used unless manually changed.

### WEIGH

The “**WEIGH**” button is used to clear the “Recall” memory and start a new weighing cycle.

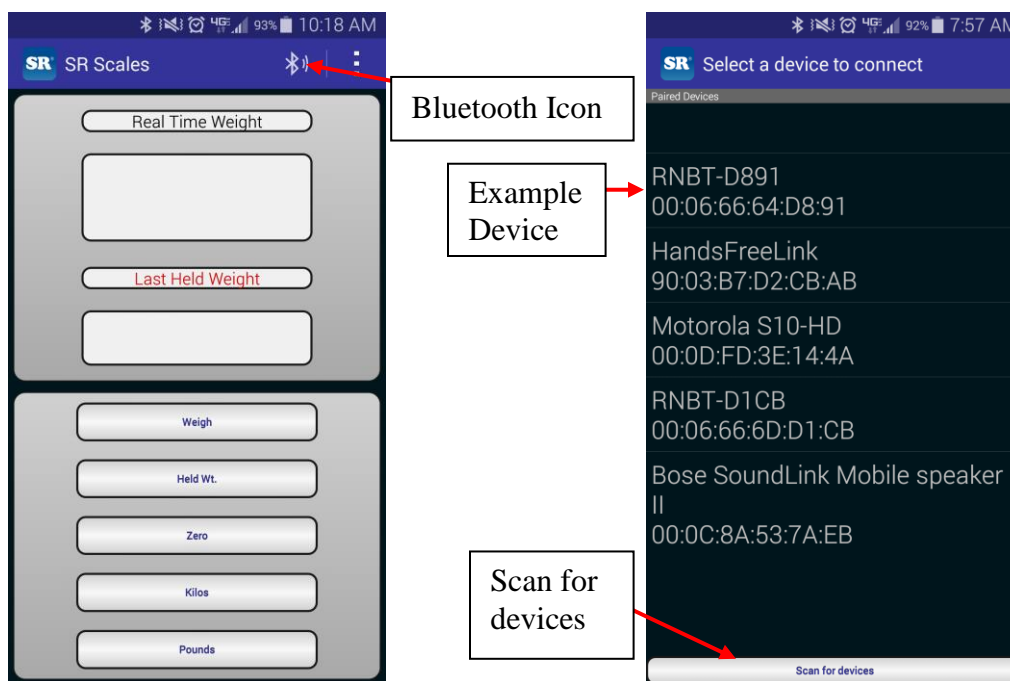
### HOLD/RECALL

The “**HOLD/RECALL**” button is used to “lock in” and store the weight currently displayed in system memory. With no weight on the platform pressing the button again will recall the last stored weight and display it for 15 seconds.

### AUTOHOLD

With autohold enabled, when the system detects a stable weight, that value will be stored in system memory. This value can later be recalled by pressing the “**HOLD/RECALL**” button with no weight on the platform.

## PAIRING TO BLUETOOTH



**Figure 4: SR App**

1. Using a supported Android device open the SR Scales application.
2. Turn the scale display on and scan for Bluetooth devices on the Android device by pressing the Bluetooth icon in the application and then pressing “Scan for devices”.
3. Locate the scale Bluetooth module in the list of devices. The scale’s Bluetooth ID is listed on the Calibration Form
4. Select the appropriate device and select pair.
5. When the device is connected it will quickly flash “Connected to (device name)” on the bottom of the Android device screen.
6. Ensure that the Android Device is communicating with the scale by placing a load on the scale and verifying the reading on the SR Scales App in the “Real Time Weight” portion of the display.

## CALIBRATION

**NOTE:** Ensure that nothing is in contact with the scale system during this procedure. Remove hands from the system when noting the displayed calibration results.

### CHECKING CALIBRATION

**STEP 1:** Select known calibrated weights, traceable to NIST.

**NOTE: DO NOT USE** barbells or un-calibrated weights.

**STEP 2:** Zero the scale by pressing and holding the **ZERO/WEIGH** button.

**STEP 3:** Place the calibrated weight on the scale. Wait for scale to stabilize; note scale reading.

**STEP 4:** Scale readings should be within Calibration Tolerance Table (Figure 5).

CALIBRATION TOLERANCE TABLE		
LOW LIMIT	APPLIED LOAD	HIGH LIMIT
99.8	100.0	100.2
199.6	200.0	200.4
299.4	300.0	300.6
399.2	400.0	400.8

**Figure 5: Calibration Table**

**⚠ 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.

**⚠ CAUTION ⚠**

The integrated circuits and semiconductors on the printed circuit boards may be damaged by electrostatic discharge (ESD). Be sure to use proper handling precautions at all times.

## TROUBLESHOOTING

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

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## WARRANTY

### TWO (2) YEAR LIMITED WARRANTY

Each **SR Scales**<sup>®</sup> 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.

## NOTES

# **SR**Scales®

By **SR** Instruments, Inc.

**Precision & Technology in  
Perfect Balance®**