

SR Scales[®]

by **SR[®]** Instruments, Inc.

Model SRV930



**Medium Capacity
Counter Top Scale**

Operating and Service Manual

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PACKING CHECKLIST – Model SRV930 Medium Capacity Counter Top Scale

√	DESCRIPTION	QUANTITY
	SCALE SYSTEM	1 ea
	9-VOLT BATTERY	1 ea
	END CAPS	2 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: 1-800-654-6360.

STEP 2: Figure (1) Turn scale over. Slide open Battery Compartment Cover. Insert supplied 9-volt battery. See **BATTERY REPLACEMENT** instructions. Slide Battery Compartment Cover closed. Turn scale over.

STEP 3: Install End Caps over handrails.

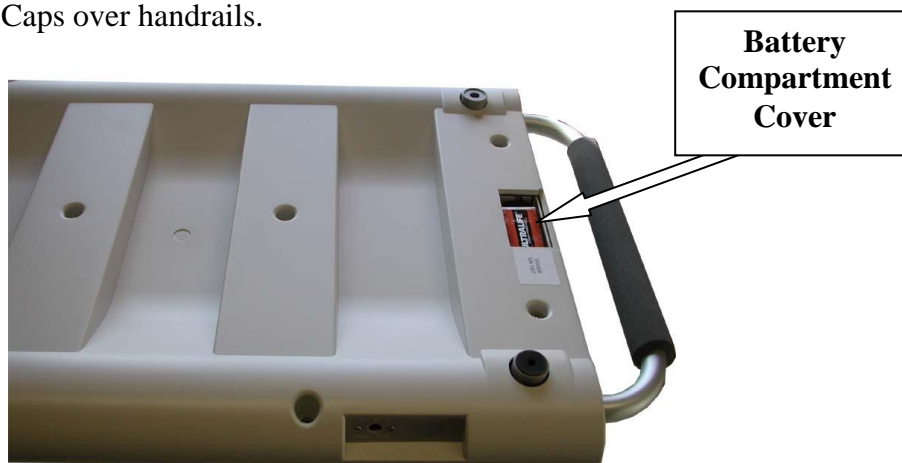


Figure 1: Battery Compartment Cover

ACCESSORIES

Part #	Description
SRV930CC	Soft-Sided Carry Case
SRV930AC	AC Adapter

SYSTEM DESCRIPTION AND INTENDED USE

SYSTEM DESCRIPTION

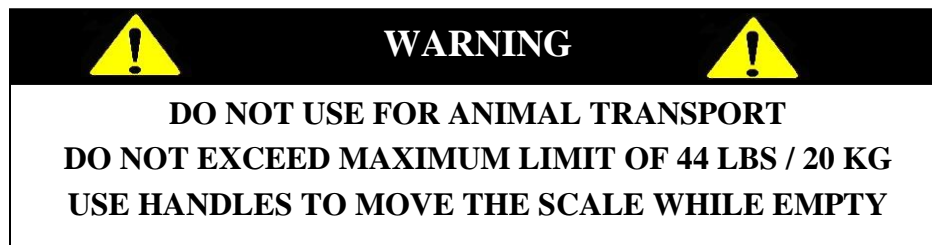
The SRV930 medium capacity counter top scale employs the latest in microprocessor and load cell technology to provide accurate and repeatable weight data. Operated by one (1) 9-volt battery, the scale can be used in a fixed location or as a portable scale.

The low power microprocessor circuitry allows the SRV930 to derive its power from one (1) 9-volt battery or for continuous operation, the optional AC adaptor (SRV930AC).

The animal's weight is displayed on a 4-½ digit LCD display.

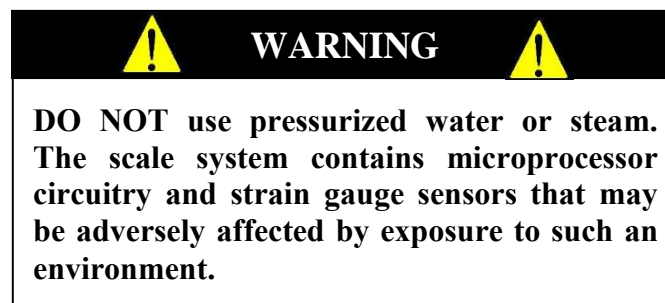
INTENDED USE

The SRV930 is designed for use as an animal weighing system for animals not exceeding 44 pounds. Please read the following warnings to avoid injury to the animal or attendant.



MAINTENANCE and CLEANING

The SRV930 scale's weighing surface is made from durable plastic. Exercise caution when cleaning the display window as it is made of a clear plastic and can be scratched by abrasive cleaners. Avoid getting liquids around the display area. (The display area is not moisture tight and excessive moisture could affect the electronic function of the scale.) Mild soap and water is recommended for general cleaning and disinfecting.



STORAGE and TRANSPORTATION

STORAGE

If storing this equipment for periods longer than three (3) months, remove the battery. To maintain proper operation of this instrument, storage and transport conditions should not vary outside the following conditions: Ambient Temperature 41°F to 95°F (5°C to 35°C).

TRANSPORTATION

To transport the SRV930 from one location to another within the office, use the handles to lift and carry. If moving from inside to a mobile location, SRI recommends using the soft-sided carry case (SRV930CC) to protect the scale from outside elements.

SPECIFICATIONS

MAXIMUM WEIGHT CAPACITY	44 lb, 704 oz, 20 kg
PLATFORM SIZE	Scale with handle: 24 ½ in x 13 5/8 in x 2 ½ in (62 cm x 33 cm x 5 cm) Platform surface: 19 ½ in x 12 in (48 cm x 30 cm)
DISPLAY TYPE	1.0" LCD display with 4 ½ active digits
DISPLAY RESOLUTION	0.02 lb / 0.5 oz / 0.01 kg
AUTO POWER DOWN	Adjustable to 120, 180, 240, 300 seconds and OFF.
MEMORY	While active, freezes display data and stores it in memory.
LAST WEIGHT RECALL	"MEMORY" button recalls last stored weight.
AVERAGING	Automatic digital filter
POWER SUPPLY	One (1) 9-volt battery or optional AC/DC adaptor
CALIBRATION	Calibrated to manufacturing specifications.
OPERATING CONDITIONS	Normal operating conditions for this product: Ambient Temperature Range: 41°F to 95°F (5°C to 35°C). Avoid exposure to high-pressure water or steam.
TRANSPORT and STORAGE	Storage and transport conditions should not vary outside the following conditions: Ambient Temperature 41°F to 95°F (5°C to 35°C). Remove batteries if storing longer than three (3) months.

BUTTON FUNCTIONS



Figure 2: Display Button Functions

TARE/ON/OFF

The “**TARE/ON/OFF**” button is used to turn the scale on, off, to tare the weigh, or to zero the display.

Holding the “**TARE/ON/OFF**” button for two seconds will manually shut down the scale.

Kg/Lb

The “**Kg/Lb**” button is used to toggle between lb, oz, lb:oz, or kg. The system is set in pounds.

MEMORY

The “**MEMORY**” button is used to recall the weight of the patient in memory.

BASIC SYSTEM OPERATION

TURNING SYSTEM ON

Make sure the scale is free and clear of any obstructions, then press the “**TARE/ON/OFF**” button to turn the scale on. When scale is ready, “**0.00**” will be displayed.

REWEIGH (NEXT USE)

To reweigh the same or different patient, be sure the tray is free and clear of any objects. Press the “**TARE/ON/OFF**” button to zero the scale. When “**0.00**” is displayed, the scale is ready for use.

Kg/Lb FUNCTION

Press the “**Kg/Lb**” button to toggle between lb, oz, lb:oz, or kg displayed weight.

The scale will remain in the last mode used unless manually changed. Example: If the last weight recorded was in kilograms and the scale is shut down, the weight mode will be in kilograms when the scale is turned back on.

TARE

The tare function is used to subtract any additional items (example: receptacle) from the patient’s Net weight.

MEMORY

Press the “**MEMORY**” button to store the “last weight” for recall if needed. To view the last stored weight in memory, press the “**MEMORY**” button again to return to the original value.

NOTE: “**MEMORY**” button will not store weight if weight is under two pounds (one kilogram). “**MEMORY**” will hold last stored weight until the memory is replaced with another stored memory. (The memory will not zero.)

HOLD ARROW INDICATOR

The HOLD ► arrow at the left bottom of the LCD display will first flash when weighing.

TURN SYSTEM OFF

The SRV930 scale can be programmed to auto-shut down at 120, 180, 240, or 300 seconds. Pressing the “**TARE/ON/OFF**” button until the scale turns off will conserve on the battery life.

To change the auto shut down time press the “**TARE/ON/OFF**” button to turn the scale “**ON**”. Press and hold the “**Kg/Lb**” button until the display reads “**UNIT**”. Press the “**Kg/Lb**” button until the display indicates “**A.OFF**”.

Continue on next page

BASIC SYSTEM OPERATION (con't)

Press the “**MEMORY**” button once. The display will indicate one of the following “**OFF, 120, 180, 240, or 300**”. Toggle the “**Kg/Lb**” to select the desired shut down time. Once selected, press the “**MEMORY**” button to save. The display will revert back to “**A.OFF**”.

Press the “**Kg/Lb**” button and toggle through features until the word “**END**” is displayed. Press the “**MEMORY**” button to save your changes, the display will return to normal mode.

BATTERY REPLACEMENT

The low battery indicator will display on LCD display when battery’s power is insufficient to operate the scale. If available, you can plug in the AC adaptor to continue operation.

STEP 1: While the tray is empty, turn the scale over with the feet facing in the upward position.

STEP 2: Slide the Battery Compartment Cover open as the arrow on the cover indicates.

STEP 3: Unclip and remove current 9-volt battery and discard properly.

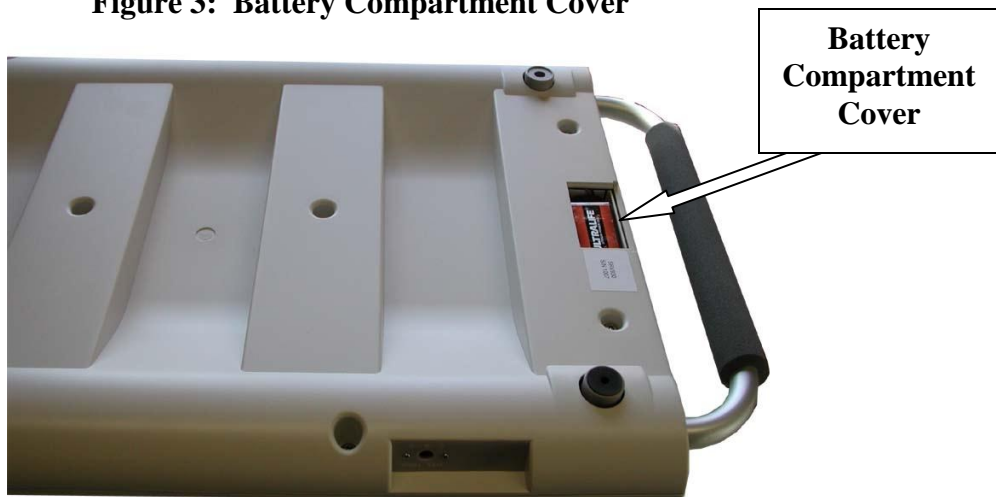
STEP 4: Replace with new 9-volt battery.

STEP 5: Replace Battery Compartment Cover.

STEP 6: Turn the scale to an upright position.

STEP 7: Press the “**TARE/ON/OFF**” button to confirm scale is operating.

Figure 3: Battery Compartment Cover



CALIBRATION

! IMPORTANT !

This scale is factory calibrated and ready for use.

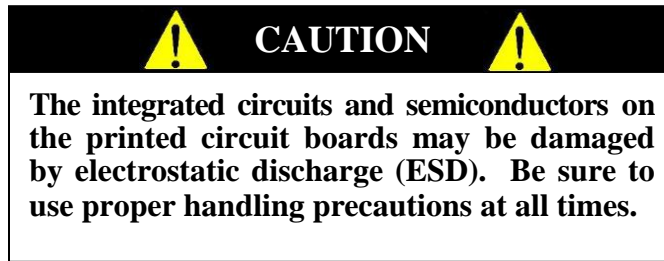
! IMPORTANT !

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 4: Calibration Button Display

- STEP 1:** Press and hold the “**TARE/ON/OFF**” button (display will read 8888). At the same time, press the “**Kg/Lb**” button three (3) times. (The display will then read the gravitational constant number or “**F.FFF**”).
- STEP 2:** Press the “**TARE/ON/OFF**” button one (1) time. (The display will show and off set number.)
- STEP 3:** Press the “**TARE/ON/OFF**” button. The display will read “**0**”. (Scale is now in calibration mode.)
- STEP 4:** Ensure scale is in kilograms mode.
- STEP 5:** Place 20 kg dead weight on the scale platform. (Display will show a span count between 2000 ~ 16000.)
- STEP 6:** Press “**TARE/ON/OFF**” button one (1) time. Display will read CAL and then read “**20.00 kg**”.
- STEP 7:** Remove the weight. Display will read “**0.00**”. Calibration is now complete. Press the “**TARE/ON/OFF**” button to turn scale off.



TROUBLESHOOTING

SYMPTOM	REASON/CORRECTIVE ACTION
Display reads LOW	Battery needs replacing.
Display reads Err	If the total weight exceeds the maximum capacity of the scale, removed weight from the surface.
Memory will not Zero	Memory will hold the last stored weight until it is replaced with another stored weight. It will never zero.
Memory will not store	Memory will not store weight if weight is less than two (2) pounds or (0.9 kilograms)
For additional information or assistance, phone our Service Hotline: 1-800-654-6360 or e-mail: sri@srinstruments.com	

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.

NOTES

SR Scales®

By **SR®**Instruments, Inc.

**Precision & Technology in
Perfect Balance™**