

SR Scales®

by **SR®** Instruments, Inc.

Model SRV930KG



**Medium Capacity
Counter Top Scale**

Operating and Service Manual

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PACKING CHECKLIST – Model SRV930KG Medium Capacity Counter Top Scale

√	DESCRIPTION	QUANTITY
	SCALE SYSTEM	1 ea
	9-VOLT BATTERY	1 ea
	END CAPS	2 ea
	MANUAL	1 ea
	WARRANTY CARD	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: Turn the SRV930KG scale over and slide open the battery compartment cover (Figure 1). Insert the supplied 9-volt battery per the instructions in the **BATTERY REPLACEMENT** section. Slide the battery compartment cover closed until it's secure. Turn scale over.

STEP 3: Install End Caps over handrails.

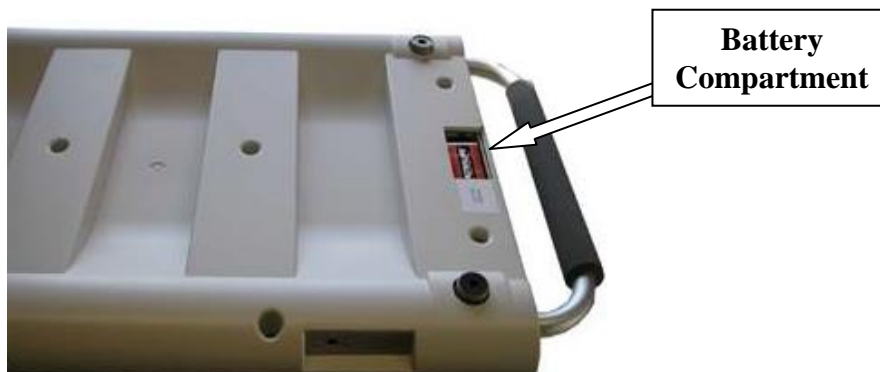


Figure 1: Battery Compartment

ACCESSORIES

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

SYSTEM DESCRIPTION AND INTENDED USE

SYSTEM DESCRIPTION:

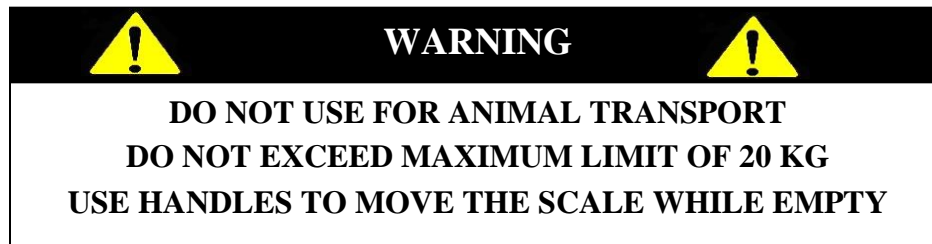
The SRV930KG medium capacity counter top scale employs the latest in microprocessor and load cell technology to provide accurate and repeatable weight data. Operated by one (1) 9-volt battery, the scale can be used in a fixed location or as a portable scale.

The low power microprocessor circuitry allows the SRV930KG scale 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 4½ digit LCD display.

INTENDED USE:

The SRV930KG scale is designed for use as an animal weighing system for animals not exceeding 20 kilograms. Please read the following warnings to avoid injury to the animal or attendant.



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 SRV930KG scale 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.

CLEANING and DISINFECTING

CLEANING:

To clean the display / user interface and other scale contact areas:

- Use soft cloth with mild soap and water to clean platform/patient contact areas.
- Wipe surface with clean soft cloth dampened with water and then dry with clean soft cloth.
- Do not use abrasive materials to clean scale surface to prevent damage to the surface finish.
- Do not spray liquid directly onto scale surfaces. Use only a damp cloth.

DISINFECTION:

To disinfect the display / user interface and other scale contact areas:

- Use a soft cloth dampened with disinfectant or a damp disposable disinfectant cloth. Cloth cannot be dripping wet. Follow manufacturer's instruction on the proper use of commercially available disinfectants.
- Disinfectant solutions with 1% sodium hypochlorite or 70% isopropyl alcohol are suitable for display / user interface and other scale contact surfaces.
- After disinfecting, use a soft cloth dampened with clean water and dry with a soft clean cloth to prevent buildup of material on scale finish.
- Do not use abrasive material to disinfect / clean scale surfaces to prevent damage to the surface finish.
- Do not spray liquid directly onto scale surfaces. Use only a damp cloth.

WARNING: DO NOT SPRAY CLEANING SOLUTION OR LIQUIDS DIRECTLY ON SURFACES TO BE CLEANED.

WARNING: EXPOSURE TO EXCESSIVE LIQUID WILL DAMAGE USER INTERFACE KEYPAD.

WARNING: DO NOT USE PRESSURIZED WATER OR STEAM. THE SCALE SYSTEM CONTAINS ELECTRONIC COMPONENTS THAT MAY BE ADVERSELY AFFECTED BY EXPOSURE TO SUCH AN ENVIRONMENT.

SPECIFICATIONS

MAXIMUM WEIGHT CAPACITY	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	0.01 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 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 and off, to tare the weight or 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 disabled. The default units are set to kilograms.

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

BASIC SYSTEM OPERATION

TURNING SYSTEM ON:

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

Kg/Lb FUNCTION:

The “**Kg/Lb**” button is disabled on this model.

TARE:

The tare function is used to subtract any additional weighed 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 from memory, press the “**MEMORY**” button again to return to the original value.

“**MEMORY**” will hold last stored weight until the memory is replaced with another stored memory (the memory will not zero).

NOTE: The “**MEMORY**” button will not store weight that is less than two pounds (one kilogram).

HOLD ARROW INDICATOR:

The HOLD ► arrow at the left bottom of the LCD display will at first flash while weighing. Once weight has stabilized the arrow stays solid.

REWEIGHING (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.

TURNING SYSTEM OFF:

The SRV930KG 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**”.

Press the “**MEMORY**” button once. The display will indicate one of the following “**OFF, 120S, 180S, 240S, or 300S**”. 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 battery icon on the left side of the display will lose segments as the battery life wanes. The low battery indicator “LO” will display on LCD display when battery’s power is insufficient to operate the scale.

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 cover indicates (Figure 3).

STEP 3: Remove and unclip the old 9-volt battery and properly dispose of.

STEP 4: Clip in a new 9-volt battery.

STEP 5: Replace the battery compartment cover.

STEP 6: Turn the scale over to an upright position.

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



Figure 3: Battery Compartment Location

NOTE: If using the optional AC power supply, the battery icon remains on and full, even if there is no battery installed (Figure 4).



Figure 4: Battery Icon

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 5: Calibration Button Display

STEP 1: Press and hold the “TARE/ON/OFF” button until the software version is displayed, then press “Kg/Lb” three (3) times and release the “TARE/ON/OFF” button. The display will show an offset number.

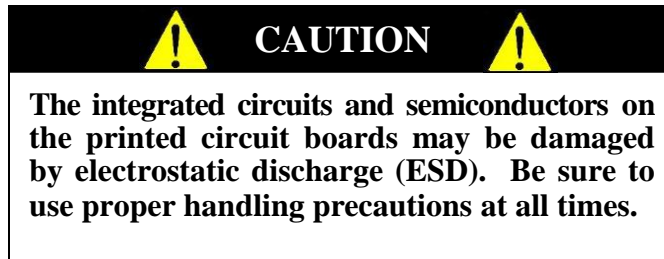
STEP 2: Press the “TARE/ON/OFF” button. The display will read “0” (Scale is now in calibration mode).

STEP 3: Ensure scale is in kilogram mode.

STEP 4: Place a 20 kg calibrated weight on the scale platform (Display will show a span count between 2000 ~ 16000).

STEP 5: Press “TARE/ON/OFF” button one (1) time. Display will read CAL and then read “20.00 kg”.

STEP 6: 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 LO	Battery needs replacing.
Display reads Err	The total weight exceeds the maximum capacity of the scale, remove 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 less than 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. Purchaser should file any claims for shortage or damage with the delivery carrier and should refuse any shipment that has obvious external damage.

RETURN POLICY

All products being returned to SR Instruments, Inc. require a Return Goods Authorization number (RGA). To receive an RGA, call our Customer Service at 716-693-5977 ext 103 or toll-free in the USA and Canada at 800-654-6360 ext 103.

When inquiry is made, please supply model and serial numbers, purchase order 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 unless scale is returned because of SR error.

No returns will be accepted after 30 days.

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

RESTOCKING FEE

- **15% fee** will be assessed on return of current merchandise
- **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 30 days.

NOTES

SRScales®

By **SR** Instruments, Inc.

**Precision & Technology in
Perfect Balance™**