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› Xetron SRC-400 HVAC Refrigerant Charging Scale User Manual

Xetron SRC-400

Xetron SRC-400 HVAC Refrigerant Charging Scale User Manual

Model: SRC-400

1. INTRODUCTION

Thank you for choosing the Xetron SRC-400 HVAC Refrigerant Charging Scale. This high-precision digital scale is designed for accurate measurement of refrigerant weight during charging and recovery processes in HVAC and automotive air conditioning systems. With a robust design and user-friendly features, the SRC-400 ensures reliable performance for professional use. Please read this manual thoroughly before operation to ensure proper use and to maximize the lifespan of your device.

2. SAFETY INFORMATION

- Always operate the scale on a stable, level surface to ensure accurate readings.
- Do not exceed the maximum weight capacity of 100 kg (220 lbs). Overloading can damage the sensors.
- Keep the scale away from extreme temperatures, direct sunlight, and moisture.
- Avoid dropping or subjecting the scale to strong impacts.
- Ensure proper ventilation when working with refrigerants.
- Use appropriate personal protective equipment (PPE) when handling refrigerants.
- Do not attempt to disassemble or repair the scale yourself. Contact qualified service personnel.

3. PACKAGE CONTENTS

Verify that all items are present and in good condition upon unpacking.

- Xetron SRC-400 Refrigerant Charging Scale Platform
- Remote Control Unit with LCD Display
- Nylon Carrying Bag
- User Manual (this document)
- Batteries (5 AAA, pre-installed or included separately)

4. PRODUCT FEATURES

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- **High Capacity & Precision:** Supports up to 100 kg (220 lbs) with an accuracy of $\leq \pm 0.05\%$ of reading. Resolution: 0.011 kg (0.025 lbs).
 - **Overload Detection:** Displays "FULL" and emits an alarm when maximum capacity is exceeded to protect sensors.
 - **Multi-function Remote:** Features auto-zero (tare) function, auto-test within 2 seconds of power-on, and auto-off after 10 minutes of inactivity.
 - **Unit Conversion:** Easily switch between LB, OZ, and KG units.
 - **Large LCD Display:** Extra-large LCD with backlight for clear reading from any angle. Displays battery life.
 - **Durable Construction:** Made from aviation-grade aluminum with rubber armor corners and a textured rubber platform to prevent tank slippage.
 - **Convenient Design:** Handheld controller with a practical hanging hook. Compact design allows the controller to be stored within the scale body.

5. SETUP

5.1. Battery Installation

The scale is powered by 5 AAA batteries. Ensure batteries are correctly installed in both the scale platform and the remote control unit.

1. Locate the battery compartment on the underside of the scale platform and on the back of the remote control unit.
2. Open the compartments and insert the AAA batteries, observing the correct polarity (+/-).
3. Close the battery compartments securely.

5.2. Initial Placement

Place the scale platform on a firm, level, and stable surface. Ensure there are no obstructions that could interfere with the weighing process.



Place the Remote in the Scale

Powered by 5 AAA Batteries

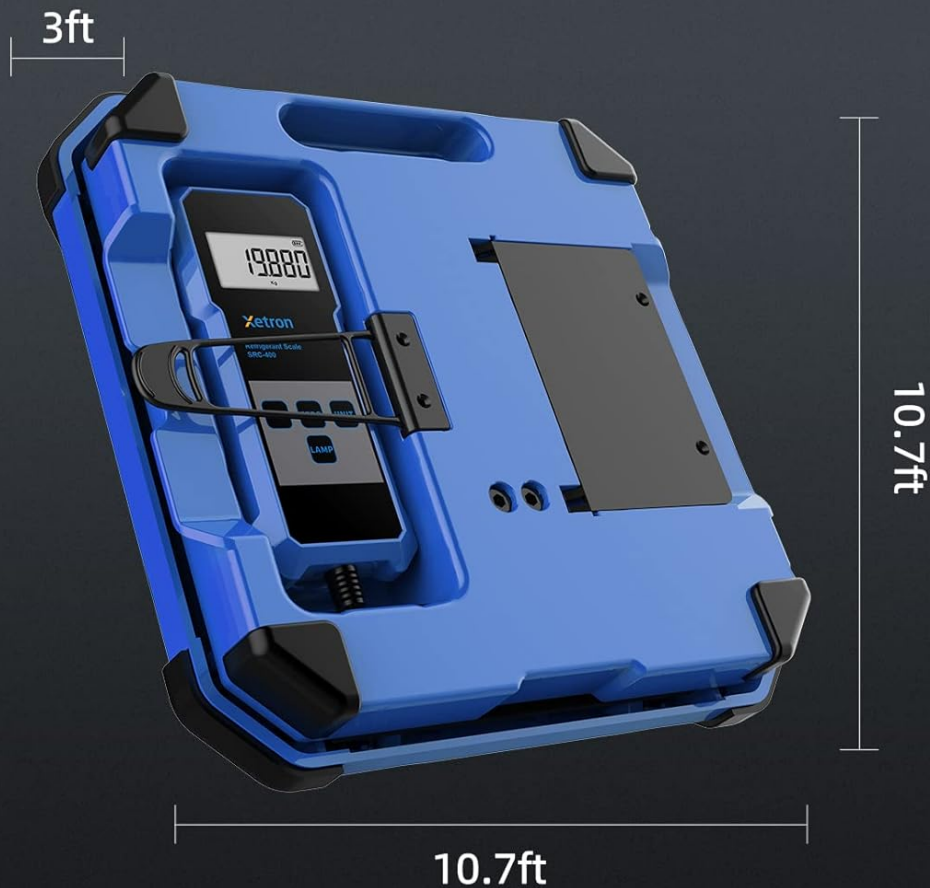


Image: The remote control unit can be conveniently stored within the scale platform for transport and protection. The image also indicates the scale's dimensions and battery type.

6. OPERATING INSTRUCTIONS

6.1. Powering On and Self-Test

Press the **POWER** button on the remote control unit to turn on the scale. The scale will perform a self-test, which typically completes within 2 seconds.

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Self-test within 2 Seconds after Power-on

Automatically off if the Weight Remains Unchanged for 10 Mins.

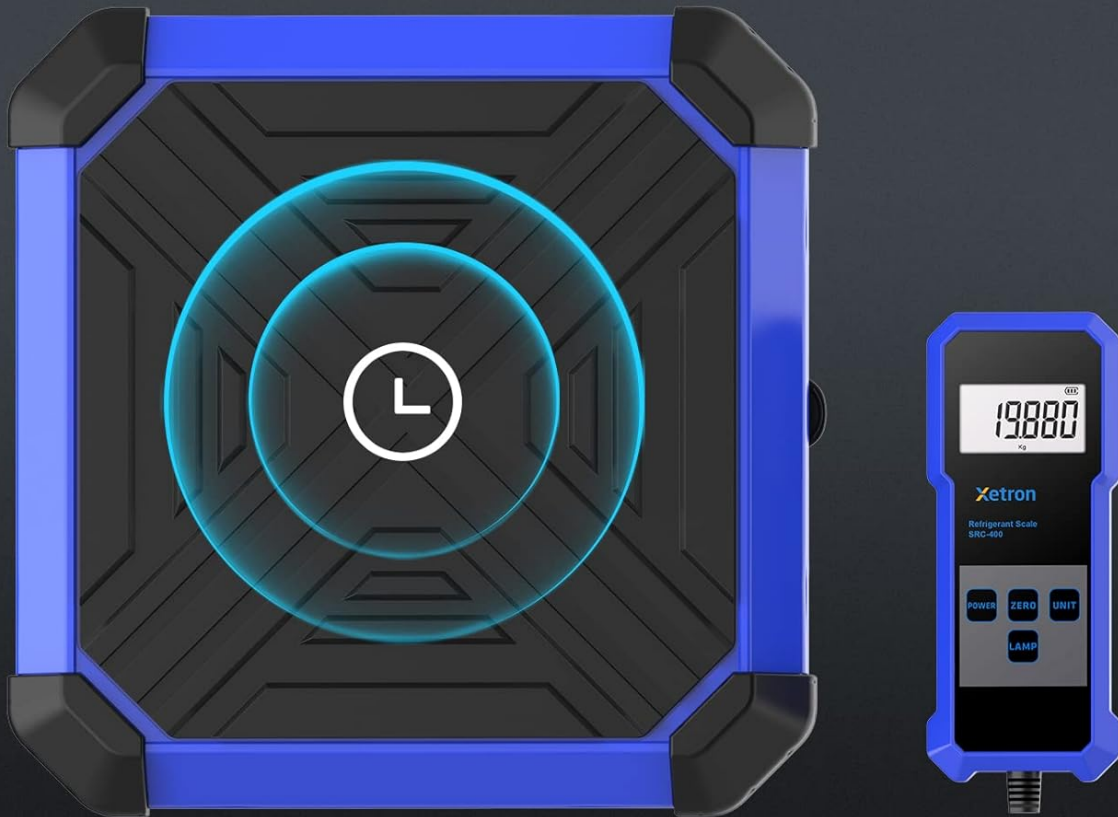


Image: The scale initiates a self-test upon power-on and features an automatic shutdown if no weight change occurs for 10 minutes.

6.2. Unit Selection

Press the **UNIT** button to cycle through the available measurement units: Kilograms (KG), Pounds (LB), and Ounces (OZ). Select the desired unit before weighing.

Xetron 3 Optional Units KG/ LB/ OZ



Image: The scale supports three optional units: Kilograms (KG), Pounds (LB), and Ounces (OZ), selectable via the UNIT button.

6.3. Zero (Tare) Function

To measure the net weight of refrigerant, use the tare function.

1. Place the empty refrigerant tank or container on the scale platform.
2. Wait for the reading to stabilize.
3. Press the **ZERO** button. The display will reset to 0.000.
4. Begin charging or recovering refrigerant. The display will show the net weight of the refrigerant added or removed.

Xetron Groove Design Preventing Mistakenly Touching



Image: The remote control unit highlights the functions of its buttons: POWER (turn on/off), ZERO (clear current reading), UNIT (switch units), and LAMP (turn on/off backlight).

6.4. Backlight Control

Press the **LAMP** button to turn the LCD backlight on or off. This is useful for reading in various lighting conditions. The backlight will automatically turn off after 10 seconds of inactivity to conserve battery, or it can be set to always on.

6.5. Overload Warning

If the weight on the platform exceeds the maximum capacity (100 kg / 220 lbs), the display will show "FULL" and an audible alarm will sound. Immediately remove some weight to prevent damage to the scale.

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Overload Detection

Hitting the Max Capacity, it will Display FULL and beep.



Image: The remote control unit indicates an overload by displaying "FULL" and emitting a beep, protecting the sensors from damage.

6.6. Remote Control Placement

The remote control unit features a swivel bracket and a hook, allowing it to be placed on the ground or hung for optimal viewing during operation.

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360° of Swivel Bracket

Easy to read on the ground or to hang



Image: The remote control unit is equipped with a 360-degree swivel bracket, making it easy to read whether placed on the ground or hung.

7. MAINTENANCE

7.1. Cleaning

Wipe the scale platform and remote control unit with a soft, damp cloth. Do not use abrasive cleaners or immerse the unit in water.

7.2. Storage

When not in use, store the scale in its nylon carrying bag in a dry, cool place. Remove batteries if the scale will not be used for an extended period to prevent leakage.

7.3. Battery Replacement

The LCD display indicates battery life. Replace batteries when the low battery indicator appears to ensure accurate

operation.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Scale does not turn on.	Dead or incorrectly installed batteries.	Check battery polarity and replace batteries if necessary.
Inaccurate readings.	Unstable surface; scale not zeroed; exceeding capacity; external interference.	Place on a stable surface. Press ZERO before weighing. Ensure weight is within capacity. Avoid strong vibrations or drafts.
"FULL" displayed and alarm sounds.	Overload condition.	Immediately remove weight from the platform until the display clears.
Display is dim or blank.	Low battery; backlight off.	Replace batteries. Press LAMP button to turn on backlight.
Scale turns off automatically too quickly.	Auto-off feature activated.	The scale is designed to auto-off after 10 minutes of no weight change. This is normal operation.

9. SPECIFICATIONS

Feature	Detail
Model Number	SRC-400 (XT-SRC-400-UK-new)
Brand	Xetron
Maximum Weight Capacity	100 Kilograms (220 lbs)
Accuracy	$\leq \pm 0.05\%$ of reading
Resolution	0.011 kg (0.025 lbs)
Units	KG, LB, OZ
Auto-Off	After 10 minutes of no weight change
Power Source	5 x AAA Batteries (included)
Battery Life	Up to 40 hours (approximate)
Material	Aviation Aluminum, Rubber
Product Dimensions (L x W x H)	20 x 20 x 4 cm (approx. 7.9 x 7.9 x 1.6 inches)
Product Weight	4 Kilograms (approx. 8.8 lbs)

Xetron High-Performance Chip Offers Great Resolution and Accuracy

- Resolution: 0.011Lbs • Capacity: 220 Lbs
- Accuracy: $\pm 0.05\%$ rdg + 0.022Lbs

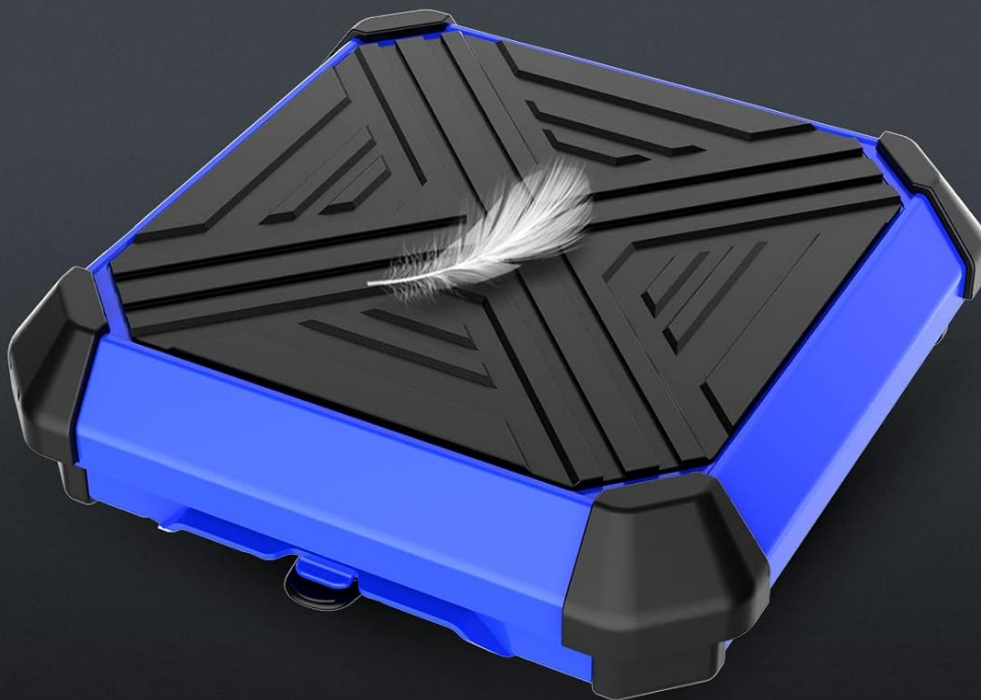


Image: The Xetron SRC-400 scale features a high-performance chip for excellent resolution and accuracy, with specifications listed as 0.011 lbs resolution, 220 lbs capacity, and $\pm 0.05\%$ rdg + 0.022 lbs accuracy.



Image: A technician performing refrigerant charging using the Xetron SRC-400 scale, demonstrating its application in HVAC systems.

10. WARRANTY AND SUPPORT

The Xetron SRC-400 Refrigerant Charging Scale comes with a one-year warranty from the date of purchase. Xetron also provides lifetime customer service for this product.

For technical support, warranty claims, or any inquiries, please contact Xetron customer service through the retailer where the product was purchased or visit the official Xetron website for contact information.

