

[Manuals.plus](#) /

› [ZIZEV](#) /

› ZIZEV Simple Balance Scale J11007 Instruction Manual

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Model: J11007

INTRODUCTION

This manual provides detailed instructions for the assembly, operation, and maintenance of your ZIZEV Simple Balance Scale J11007. Designed for educational and laboratory use, this balance helps users understand basic principles of mass measurement. Please read this manual thoroughly before use to ensure proper function and longevity of the product.

PRODUCT OVERVIEW AND COMPONENTS

The ZIZEV Simple Balance Scale J11007 is a durable and portable weighing instrument made from plastic. It is designed for ease of use in educational settings.



Image: The ZIZEV Simple Balance Scale, fully assembled, featuring a blue base and beam with two clear plastic weighing trays.

Included Components:

- 1 x Base
- 1 x Measure Bar (Balance Beam)
- 2 x Tray Rack Rings
- 2 x Tray Buckets (Weighing Trays)
- 1 x Balance Rider
- 16 x 10g Weights
- 8 x 5g Weights



Image: All components of the ZIZEV Simple Balance Scale, including the balance, various weights (10g and 5g), and the balance rider.

SETUP INSTRUCTIONS

1. **Unpack Components:** Carefully remove all parts from the packaging. Verify that all listed components are present.
2. **Assemble the Base:** Place the base on a flat, stable surface.
3. **Attach the Measure Bar:** Securely attach the measure bar (balance beam) to the top of the base. Ensure it pivots freely.
4. **Install Tray Rack Rings:** Attach the two tray rack rings to each end of the measure bar.
5. **Place Tray Buckets:** Insert the two tray buckets (weighing trays) into the tray rack rings.
6. **Position Balance Rider:** Place the balance rider on the measure bar. This small weight is used for fine adjustments to achieve initial balance.



Image: A diagram illustrating the dimensions of the assembled balance, showing its length, width, and height.

OPERATING INSTRUCTIONS

1. **Level the Balance:** Ensure the balance is on a perfectly flat and stable surface. The measure bar should be level when both trays are empty. Use the balance rider for minor adjustments if needed.
2. **Place Object to be Weighed:** Carefully place the object whose mass you wish to determine into one of the weighing trays.
3. **Add Weights:** Begin adding the provided weights (10g and 5g) to the opposite tray. Start with larger weights and gradually add smaller ones until the measure bar is level.
4. **Fine Adjustment:** Use the balance rider for precise adjustments to achieve a perfect balance. Move the rider along the measure bar until the bar is horizontal.
5. **Read the Mass:** Sum the values of all weights in the tray and the position indicated by the balance rider to determine the mass of the object.



Image: The balance scale positioned on a lab bench, demonstrating its intended use in a scientific environment.

MAINTENANCE

- **Cleaning:** Wipe the balance and trays with a soft, damp cloth. Avoid abrasive cleaners or solvents that could damage the plastic.
- **Storage:** Store the balance in a clean, dry place away from direct sunlight and extreme temperatures.
- **Handling:** Handle the balance carefully to prevent damage to the pivot points and ensure accurate readings.
- **Weight Care:** Keep the weights clean and free from dirt or corrosion, as this can affect their accuracy.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Balance does not level when empty.	Uneven surface; balance rider not at zero/center.	Place on a flat surface. Adjust the balance rider to center the beam.

Problem	Possible Cause	Solution
Inconsistent readings.	Drafts or air movement; dirty weights/trays; damaged pivot.	Operate in a still environment. Clean all components. Inspect for damage.
Trays do not hang freely.	Improper assembly; obstruction.	Re-check assembly steps. Ensure no foreign objects are interfering.

SPECIFICATIONS

- **Model:** J11007
- **Material:** Plastic
- **Range:** 200g/1g (Maximum capacity 200 grams, readability 1 gram)
- **Product Dimensions:** Approximately 32 x 6.5 x 10.8 cm (12.6 x 2.6 x 4.3 inches)
- **Item Weight:** Approximately 443g (15.6 ounces)
- **Manufacturer:** ZIZEV

WARRANTY AND SUPPORT

This product is designed for durability and educational use. For any questions, concerns, or assistance with your ZIZEV Simple Balance Scale J11007, please contact the manufacturer. While specific warranty details are not provided, customer satisfaction is a priority. If you experience any dissatisfaction, please reach out for a solution.

Return Policy: A 30-day return policy for refund or replacement may apply, as per retailer terms.