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Bonvoisin 5000g, 0.01g

Bonvoisin Lab Scale 5000g/0.01g Instruction Manual

Brand: Bonvoisin | Model: 5000g, 0.01g

INTRODUCTION

This instruction manual provides detailed guidance for the setup, operation, and maintenance of your Bonvoisin Lab Scale 5000g/0.01g. This high-precision electronic analytical balance is designed for accurate weighing in laboratory, kitchen, and jewelry applications, offering a resolution of 0.01g and a maximum capacity of 5000g (11 lb).

What's in the Box?

- Scale Unit
- Weighing Pan
- Under Plate
- Screws (x2)
- Hexagon Wrench
- 110V Power Adapter
- Instruction Manual
- Service Card

SETUP AND INSTALLATION

Unboxing and Initial Inspection

Upon receiving your Bonvoisin Lab Scale, carefully open the packaging. The scale is well-packed with foam filling to ensure protection during transit. Verify that all components listed in the 'What's in the Box' section are present and undamaged.



Figure 1: Bonvoisin Lab Scale securely packaged with foam protection.

Assembly Instructions

Follow these steps to assemble your scale:

1. Place the main scale unit on a stable, level surface. The adjustable front and rear legs, along with the built-in level indicator, help ensure optimal stability and accuracy.
2. Attach the black under plate to the scale unit. Ensure the 'UP1' marking on the under plate aligns correctly with the corresponding point on the scale. Secure it firmly using the provided screws and hexagon wrench.
3. Carefully place the detachable stainless steel weighing pan onto the under plate.



Figure 2: Key components of the Bonvoisin Lab Scale.

Power Supply

The scale can be powered by two methods:

- **110V Adapter:** Connect the provided 110V adapter to the power input port on the scale and plug it into a standard wall outlet.
- **9V Battery:** For portable use, open the battery compartment on the underside of the scale and insert a 9V battery (not included). The broadened battery compartment facilitates easier installation.

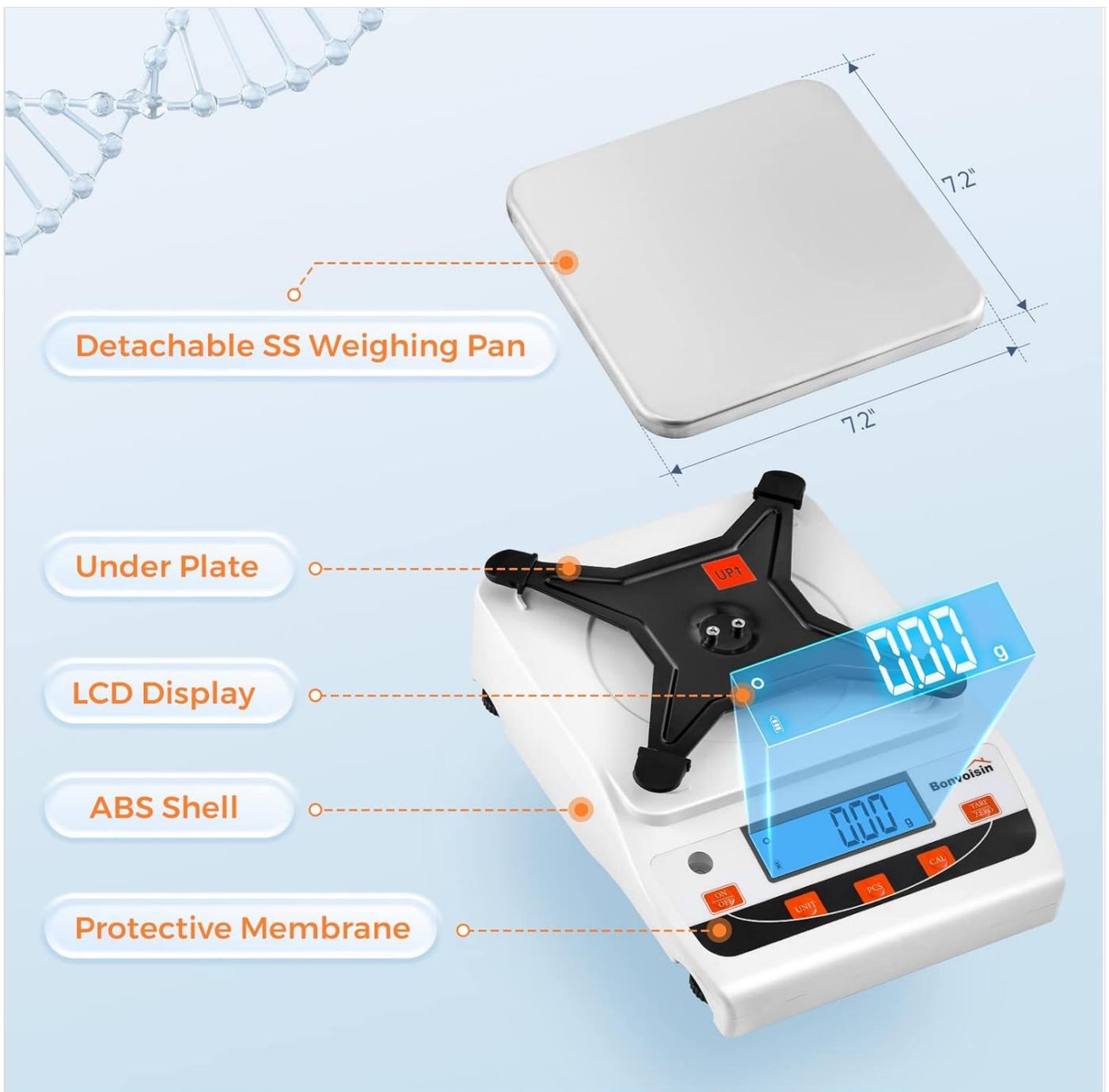


Figure 3: Dual power options for the scale.

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Video 1: This video demonstrates the unboxing process, showing the protective foam packaging and all included components. It also illustrates the correct installation of the under plate and weighing pan, and how to connect the power adapter or install a 9V battery.

OPERATING INSTRUCTIONS

Turning On/Off

Press the **ON/OFF** button located on the control panel to turn the scale on or off. The clear backlit LCD display will illuminate upon activation.



Figure 4: Scale control panel and LCD display.

Unit Conversion

The scale supports 13 different unit conversions. Press the **UNIT** button repeatedly to cycle through the available units: g (gram), ct (carat), oz (ounce), ozt, N, lb (pound), dr, GN (grain), dwt, %, t/T, T, T/A/R.

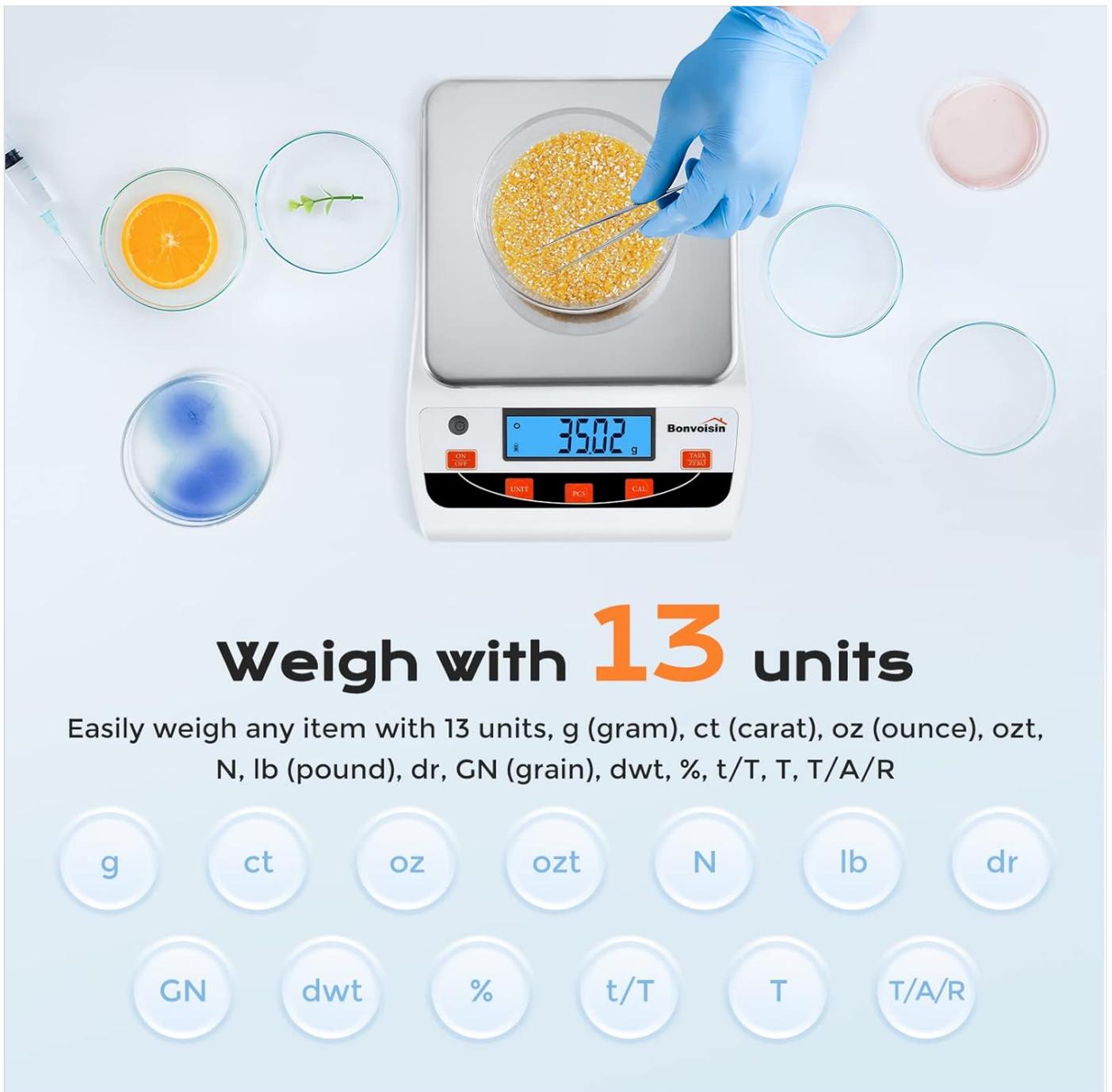


Figure 5: Supported measurement units.

Tare Function

To subtract the weight of a container and weigh only the contents, use the Tare function. Place the empty container on the weighing pan and press the **TARE ZERO** button. The display will reset to zero. You can then add your items to the container, and the scale will display only the net weight.



①

9V Battery

Broaden battery compartment, easier for installation

Dual Power Sources

②

110V plug in

Figure 6: Using the Tare function.

Counting Function (PCS)

The counting function allows you to accurately count multiple small items of uniform weight, such as pins, screws, or coins. To use this feature, place a sample quantity of items (e.g., 10, 20, 50, 100 pieces) on the pan, press the **PCS** button, and follow the on-screen prompts to set the sample size. Once the sample is registered, adding more items will display the total count.

With USB Interface

Efficiently and directly output data to office software, not only on driver software.



Figure 7: Counting function in use.

Calibration

The scale supports both single-point and multi-point calibration to ensure optimal accuracy. Single-point calibration uses one known weight (e.g., 2000g for a 5000g scale), while multi-point calibration uses multiple known weights (e.g., 1000g, 2000g, 3000g, 4000g, 5000g). To calibrate, press the **CAL** button and follow the instructions displayed on the screen. Calibration weights are not included and must be purchased separately.



Figure 8: Scale during calibration with a weight.

USB Interface

The scale features a USB interface for serial data exchange with a computer or micro-printer. This allows for convenient organization and analysis of data results, and direct output to office software without requiring additional driver software. Please note that the data cable is NOT included.

With USB Interface

Efficiently and directly output data to office software, not only on driver software.



Figure 9: USB interface for data transfer.

MAINTENANCE AND CARE

Cleaning

The stainless steel weighing pan is detachable for easy cleaning. It can be wiped with a damp cloth or washed with mild soap and water. A protective membrane covers the buttons and screen to guard against light splashes, making cleaning simpler and extending the scale's operational life.



Figure 10: Detachable weighing pan for easy cleaning.

Storage

Store the scale in a dry, stable environment away from extreme temperatures, humidity, and direct sunlight. Avoid placing heavy objects on the pan when not in use to prevent damage to the sensor.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Scale does not turn on.	No power, loose connection, or dead battery.	Check power adapter connection. If using battery, ensure it is correctly installed and has sufficient charge.

Problem	Possible Cause	Solution
Inaccurate readings.	Scale not level, unstable surface, or needs calibration.	Ensure scale is on a stable, level surface using the level indicator. Perform calibration with appropriate weights. Minimize vibrations or air currents.
Display shows "OVERLOAD" or similar error.	Weight exceeds maximum capacity.	Remove excess weight immediately. Do not exceed the maximum capacity of 5000g (11 lb).
Slow response time.	Normal for high-precision scales, or environmental interference.	Allow the scale a few seconds to stabilize. Minimize vibrations or air currents around the scale.

SPECIFICATIONS

Model: Bonvoisin Lab Scale (5000g, 0.01g)

Capacity: 5000g (11 lb)

Resolution: 0.01g

Minimum Weighing: 0.05g

Linearity Error Range: ± 0.03 gram

Unit Conversions: 13 units (g, ct, oz, ozt, N, lb, dr, GN, dwt, %, t/T, T, T/A/R)

Weighing Pan Material: Stainless Steel

Weighing Pan Size: 7.2 x 7.2 inches

Display: Clear Backlit LCD

Power Sources: 110V Adapter (included), 9V Battery (not included)

Interface: USB (data cable not included)

Dimensions: 14.96 x 11.65 x 6.34 inches

Weight: 5.71 Pounds

Manufacturer: Bonvoisin

Country of Origin: China

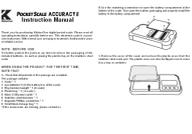
WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the service card included in your product packaging. This document contains specific details regarding your product's warranty period and how to obtain support.

You can also visit the [Bonvoisin Store on Amazon](#) for additional product information and support resources.

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Related Documents - 5000g, 0.01g

 <p>RUISHAN Precision Balance User Manual</p> <p>Model in China RUISHAN</p>	<p>RUISHAN Precision Balance User Manual - Accurate Weighing for Labs and Industry</p> <p>Comprehensive user manual for the RUISHAN Precision Balance (RSTP series). Covers features, specifications, operation, maintenance, safety, and troubleshooting for accurate weighing, counting, and calibration in laboratory, educational, and industrial settings.</p>
 <p>BAOSHISHAN ELECTRONIC SCALE</p> <p>STEPS 1-4: Place the balance on a smooth and steady table. Please adjust the level of the balance until the bubble level is in the center of the bubble level window. Installation is completed and ready to use.</p> <p>STEP 5: The balance except for the unit of 100g or 10g or 1g. Input unit of 10g.</p> <p>STEP 6: Turn the balance on. In the display, "0.0000g" will display. Capacity and unit will be shown. The unit will be changed to "100g". Press "UNIT" key to change the unit for half an hour to get accurate measurement before first using.</p> <p>STEP 7: Place the object you want to weigh on the balance pan. In the display, the weight will be shown.</p> <p>NOTE: Please check the balance level. If you want to weigh the object located in a container, Press "CONTAINER" key to zero the display.</p> <p>NOTE: Please check the balance level. If you want to weigh the object located in a container, Press "CONTAINER" key to zero the display.</p> <p>NOTE: Please check the balance level. If you want to weigh the object located in a container, Press "CONTAINER" key to zero the display.</p> <p>NOTE: Please check the balance level. If you want to weigh the object located in a container, Press "CONTAINER" key to zero the display.</p>	<p>Baoshishan Electronic Scale: User Guide for Operation, Calibration, and Troubleshooting</p> <p>Detailed user guide for the Baoshishan Electronic Scale, covering essential operations, button functions, preparation steps, calibration procedures, and troubleshooting common error codes. Ideal for users of precision lab balances.</p>
 <p>Brifit Digital Pocket Scale</p> <p>Capacity: 50g Precision: 0.001g</p>	<p>Brifit Digital Pocket Scale User Manual</p> <p>User manual for the Brifit Digital Pocket Scale, detailing its features such as 50g capacity, 0.001g precision, back-lit LCD display, 6 units, tare function, and included accessories like calibration weights, tray, and tweezers.</p>
 <p>My Weigh x RAW TRAY SCALE</p> <p>Capacity: 1000g Precision: 0.01g</p>	<p>My Weigh x RAW Tray Scale User Manual and Instructions</p> <p>This user manual provides comprehensive instructions for operating, calibrating, and maintaining the My Weigh x RAW Tray Scale. It covers features, error messages, and technical specifications for accurate and reliable weighing.</p>
 <p>KitchenTour Accuracy 111 Instruction Manual</p> <p>Capacity: 200g Precision: 0.01g</p>	<p>KitchenTour Digital Pocket Scale Instruction Manual - 200g x 0.01g Precision Weighing</p> <p>User guide for the KitchenTour digital pocket scale, detailing specifications, operation, standard calibration, counting function, troubleshooting, and safety precautions for accurate weighing.</p>
 <p>LIFE Accuracy Glass digital kitchen scale</p> <p>Capacity: 5000g Precision: 1g</p>	<p>LIFE Accuracy Glass Digital Kitchen Scale User Manual Instructions & Safety Guide</p> <p>User manual for the LIFE Accuracy Glass Digital Kitchen Scale. Features include 5000g capacity, 1g accuracy, tare function, and multiple measurement units. This guide covers safety, operation, cleaning, and disposal.</p>