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› [GOYOJO Digital Analytical Balance and Lab Scale GY50002 - 5000g Capacity, 0.01g Precision Instruction Manual](#)

GOYOJO GY50002

GOYOJO Digital Analytical Balance and Lab Scale

MODEL: GY50002 - 5000G CAPACITY, 0.01G PRECISION

INTRODUCTION

Thank you for choosing the GOYOJO Digital Analytical Balance and Lab Scale. This high-precision electronic balance is designed for accurate measurements in various settings, including laboratories, kitchens, and for weighing jewelry. With a maximum capacity of 5000g and a readability of 0.01g, it provides reliable and consistent results. This manual will guide you through the setup, operation, and maintenance of your new scale.

Key Features:

- **High Precision:** 0.01g readability for accurate measurements.
- **Large Capacity:** Supports up to 5000g.
- **Multi-Unit Conversion:** Easily switch between grams (g), kilograms (kg), carats (ct), ounces (oz), pounds (lb), and more.
- **Large LED Display:** Clear and visible results, even in low-light conditions.
- **Durable Construction:** Stainless steel weighing plate and ABS housing for long-lasting use.
- **Tare Function:** Subtracts container weight for net measurements.
- **Piece Counting Function:** Ideal for inventory and small item counting.
- **Dual Power Options:** Operates via AC adapter or 4 AA batteries (not included).

SETUP

1. **Unpacking:** Carefully remove all components from the packaging. Ensure all protective films, especially on the weighing pan, are removed before use.
2. **Placement:** Place the balance on a stable, level, and vibration-free surface. Avoid areas with direct sunlight, drafts, or strong magnetic fields. Adjust the four adjustable feet at the bottom of the scale to

ensure it is perfectly level.

3. Power Supply:

- **AC Adapter:** Connect the provided AC adapter to the power input port on the back of the scale and plug it into a suitable power outlet.
- **Battery Power:** For portable use, open the battery compartment on the underside of the scale and insert 4 AA batteries (not included), ensuring correct polarity. Slide the power switch to the 'ON' position when using battery power.

4. **Initial Power On:** Press the **ON/OFF** button to turn on the scale. The display will show a self-test sequence and then settle at '0.00g'.

TWO MODES OF POWER SUPPLY



**AA Battery * 4
(Not Included)**

**Turn on this
switch when**

Adapter Interface



Image: The underside of the GOYOJO Digital Analytical Balance, illustrating the battery compartment for 4 AA batteries and the adapter interface for external power. A switch is visible for selecting battery power.



Image: A detailed view of the GOYOJO Digital Analytical Balance, highlighting the adjustable feet for leveling and the LCD display. Key buttons like Power, Counting, Unit Conversion, and Tare & Calibration are labeled.

OPERATING INSTRUCTIONS

1. Basic Weighing

1. Ensure the scale is on and displays '0.00g'.
2. Gently place the item to be weighed on the center of the stainless steel weighing plate.
3. Read the stable weight displayed on the LED screen.

2. Unit Conversion

Press the **UNIT** button repeatedly to cycle through available weighing units (g, kg, ct, oz, lb, etc.).

PIECE COUNTING

※ In counting mode, ensure every sample object have consistent weight (at least individual differences must be within 5%).



Image: The GOYOJO Digital Analytical Balance display showing various unit options like g, kg, ct, T, TAR, dr, PKT, GN, TMR, gsm, tLJ, mo, dwt, oz, lb, tLT, ozt, tLH, and % for quick conversion.

3. Tare Function

To weigh items in a container without including the container's weight:

1. Place the empty container on the weighing plate.
2. Press the **TARE/CAL** button. The display will reset to '0.00g'.
3. Add the items to be weighed into the container. The display will show only the net weight of the items.

TARE FUNCTION

※ Be used to automatically subtract the weight of a container or other object from the measured weight when weighing an object.



Container Weight

Press the "TARE/CAL" button

Net weight of the object
(excluding container weight)

Image: A sequence of three images showing the tare function. First, an empty beaker is weighed. Second, the TARE/CAL button is pressed to zero the scale. Third, material is added to the beaker, and only its net weight is displayed.

4. Piece Counting (PCS)

This function allows you to count multiple pieces of an item quickly, assuming each piece has a consistent weight.

1. With the scale displaying '0.00g', press the **PCS** button.
2. Select a sample quantity (e.g., 10, 20, 50, 100) by pressing the **UNIT** button.
3. Place the selected number of sample pieces on the weighing plate and press **TARE/CAL** to confirm.
4. Remove the sample pieces. The scale is now calibrated for piece counting.
5. Add the items you wish to count. The display will show the number of pieces.

19 UNITS CONVERSION

⌘ Quickly switch 19 units by simply press the UNIT button.



Image: The GOYOJO Digital Analytical Balance displaying '10 pcs' for piece counting, with several screws on the weighing pan, indicating the scale is counting items.

5. Percentage Conversion

This function displays or calculates measurement results in percentage form.

PERCENTAGE CONVERSION

※ Providing a high level of accuracy and precision for percentage weighing in laboratory and experiment setting.



Image: The GOYOJO Digital Analytical Balance displaying '80.00%' with laboratory beakers and flasks, illustrating its percentage conversion function for laboratory and experimental settings.

MAINTENANCE

- **Cleaning:** Wipe the stainless steel weighing plate and ABS housing with a soft, damp cloth. Do not use abrasive cleaners or immerse the scale in water.
- **Storage:** Store the scale in a dry, cool place away from direct sunlight and extreme temperatures.
- **Battery Replacement:** If using batteries, replace them when the low battery indicator appears on the display to ensure accurate readings.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Inaccurate or unstable readings	Unstable surface, drafts, vibrations, or electromagnetic interference.	Place the scale on a firm, level surface. Avoid drafts and electronic devices. Adjust feet for leveling.
Scale does not turn on	No power, dead batteries, or loose adapter connection.	Check AC adapter connection or replace batteries. Ensure battery switch is 'ON' if using batteries.
Display shows 'EEEE' or 'O-Ld'	Overload beyond maximum capacity.	Remove the item immediately to prevent damage. Do not exceed 5000g.

SPECIFICATIONS

Feature	Detail
Model	GY50002
Max. Capacity	5000g
Readability	0.01g
Units	g, kg, ct, T, TAR, dr, PKT, GN, TMR, gsm, tLJ, mo, dwt, oz, lb, tLT, ozt, tLH, %
Taring	Yes
Calibration	Yes (Calibration weight not included)
Piece Counting	Yes
Display Type	LCD with Backlit Display
Material	Stainless Steel (weighing plate), ABS (housing)
Power Supply	AC Adapter or 4 x AA Batteries (not included)
Product Dimensions	12.2 x 9.9 x 4.35 inches
Item Weight	3.4 Pounds



Product Specifications

Model:	GY50002
Readability:	0.01g
Max. Capacity:	5000g
Units .	g/kg/ct/T/TAR/dr/PKT/GN/TMR/gsm/tlJ/mo/dwt/oz/lb/tlT/ozt/tlH/%
Taring:	Yes
Calibration:	Yes (Calibration weight not included)
Piece Counting:	Yes

Image: A visual representation of the GOYOJO Digital Analytical Balance with its key dimensions and a table summarizing product specifications including model, readability, max capacity, units, taring, calibration, and piece counting.

PRODUCT VIDEOS

GOYOJO 2000g High Precision Lab Scale with 0.01g accuracy

Video: This video demonstrates the high precision of the GOYOJO Lab Scale, showcasing its 0.01g accuracy with a 2000g capacity model. It highlights the scale's ability to provide precise measurements for various applications.

Laboratory Pharmacy Jewelry

Video: A brief video illustrating the versatility of the GOYOJO Electronic Balance for use in laboratory, pharmacy, and jewelry weighing scenarios, emphasizing its adaptability to different professional needs.

WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the documentation included with your product or contact GOYOJO customer service directly. Keep your purchase receipt as proof of purchase for any warranty claims.