

UNIWEIGH UNI-TR-50-001-BK

UNIWEIGH Digital Milligram Scale User Manual

Model: UNI-TR-50-001-BK

PRODUCT OVERVIEW

The UNIWEIGH Digital Milligram Scale is a high-precision weighing instrument designed for accurate measurement of small items. With a maximum capacity of 50g and a readability of 0.001g, it is ideal for weighing jewelry, powders, gold, gems, and for reloading purposes. Its compact design, multiple power options, and user-friendly features make it a versatile tool for various applications.



Image: Examples of items suitable for weighing with the scale, such as tablets, powders, coins, coffee beans, jewelry, and reloading components.

WHAT'S IN THE BOX

Your UNIWEIGH Digital Milligram Scale package includes the following components:

- UNIWEIGH Milligram Scale
- 50g Calibration Weight
- Weighing Tray (Powder Pan) x2
- Scoop
- Stainless Steel Tweezers
- USB Cable
- Small Brush

- 2 x AAA Batteries
- User Manual



Image: All items included in the UNIWEIGH Digital Milligram Scale package, laid out for clear viewing.

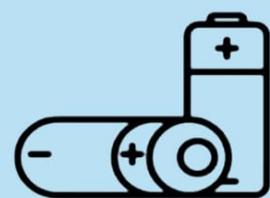
SETUP

Powering the Scale

The UNIWEIGH Digital Milligram Scale offers two convenient power options:

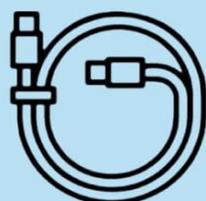
- **Battery Power:** Insert 2 AAA batteries (included) into the battery compartment located on the underside of the scale.
- **USB Power:** Connect the scale to a USB power source using the provided USB cable.

The scale features an auto-shut-off function that activates after 180 seconds of inactivity to conserve energy.



Battery Mode

Two Power Supply Modes



USB Mode



Image: Illustration of the two power supply modes: battery and USB connection.

Leveling the Scale

For accurate measurements, ensure the scale is perfectly level. Use the integrated bubble level and the adjustable feet to achieve a balanced position on a stable, flat surface.

Image: Details showing the bubble level and adjustable feet for ensuring scale balance.

OPERATING INSTRUCTIONS

Power On/Off

Press the ON/OFF button () to turn the scale on or off. The backlit LCD display will illuminate upon activation.

Unit Conversion

The scale supports 6 different weighing units. To switch between units, press the **MODE** button repeatedly until the desired unit is displayed. Available units include grams (g), ounces (oz), troy ounces (ozt), pennyweights (dwt), carats (ct), and grains (gn).



6 Units:



**High-precision up to 0.001g,
Max Capacity:50g**

Image: Visual representation of the six available weighing units on the scale's display.

Tare Function

The Tare function allows you to subtract the weight of a container, enabling you to measure only the net weight of the contents. Follow these steps:

1. Place the empty container on the weighing pan.
2. Wait for the reading to stabilize.
3. Press the **TARE** button. The display will reset to 0.000g.
4. Add the item(s) to be weighed into the container. The display will show the net weight of the item(s).

Tare Function



1

Put the container on the scale



2

Press the TARE key to clear



3

Put the item on the container



4

Get the net weigh

Image: Step-by-step visual instructions for using the Tare function.

Calibration

Regular calibration ensures the accuracy of your scale. Use the included 50g calibration weight for this process.

1. Turn the scale ON and wait for the display to show 0.000g.
2. Press and hold the **MODE** button until "CAL" appears on the display, then release.
3. The display will flash "50.000g".
4. Carefully place the 50g calibration weight onto the center of the weighing pan.
5. The display will show "PASS" and then return to 0.000g, indicating successful calibration. Remove the weight.

For optimal accuracy, perform calibration in a stable environment free from drafts, using the windproof cover.

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Video: Demonstrates the unit conversion and calibration process for the digital milligram scale.

Counting Function (PCS)

The PCS function allows you to count large quantities of small, uniform items (e.g., pins, screws, beads) by sampling. Follow these steps:

1. Turn the scale ON and wait for the display to show 0.000g.
2. Place a sample quantity of items (e.g., 25, 50, 75, or 100 pieces) on the weighing pan.
3. Press and hold the **PCS** button until "PCS" appears, then press **MODE** to select the sample quantity.
4. Press **PCS** again to confirm. The scale is now in counting mode.
5. Add more items to the pan, and the display will show the total count.



Image: Explanation of the PCS (counting) function for small items.

MAINTENANCE

Cleaning

To maintain accuracy and prolong the life of your scale, clean it regularly. Use a soft, damp cloth to wipe the surface. Do not use abrasive cleaners or immerse the scale in water. The included small brush can be used to remove dust or small

particles from the weighing pan and crevices.

Storage

Store the scale in a dry, stable environment away from extreme temperatures, humidity, and vibrations. Keep the protective cover closed when not in use to prevent dust accumulation and protect the weighing mechanism.

TROUBLESHOOTING

If you encounter issues with your UNIWEIGH Digital Milligram Scale, please refer to the following common problems and solutions:

- **"LO" or Low Battery Indicator:** Replace the AAA batteries or connect the scale via USB.
- **"OUE2" or Overload Error:** The weight on the pan exceeds the maximum capacity (50g). Remove excess weight immediately to prevent damage.
- **Inaccurate Readings:**
 - Ensure the scale is on a stable, level surface. Use the adjustable feet and bubble level.
 - Calibrate the scale using the 50g calibration weight.
 - Check for drafts or vibrations in the environment. Use the windproof cover.
 - Ensure the weighing pan is clean and free of debris.
- **Scale Not Turning On:**
 - Check battery installation and ensure batteries are not depleted.
 - Verify USB cable connection if using USB power.

SPECIFICATIONS

Feature	Detail
Model Number	UNI-TR-50-001-BK
Capacity	50g
Accuracy (Readability)	0.001g
Weighing Units	g, oz, ozt, dwt, ct, gn
Display Type	Backlit LCD
Power Modes	2 x AAA Batteries (included), USB Cable
Auto Shut-Off	180 seconds of inactivity
Special Features	Large Display, Precision Balanced, Backlit Display, Auto Shut Off, Tare Function, Counting Function (PCS), Bubble Level, Adjustable Feet, Windproof Cover
Package Dimensions	7.4 x 5.24 x 2.44 inches
Item Weight	3.53 ounces
Manufacturer	UNIWEIGH
Country of Origin	China

WARRANTY & SUPPORT

For warranty information and customer support, please refer to the specific warranty card included in your product packaging or contact UNIWEIGH customer service directly. Keep your purchase receipt for any warranty claims.

Manufacturer: UNIWEIGH

