

[Manuals.plus](#) /

› [THINKSCALE](#) /

› THINKSCALE TK1-50 Milligram Scale User Manual

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Model: TK1-50

1. INTRODUCTION

The THINKSCALE TK1-50 Milligram Scale is a high-precision digital scale designed for accurate measurements of small quantities. With a maximum capacity of 50g and readability in 0.001g increments, it is suitable for various applications requiring fine precision.

Recommended Uses: Jewelry, powders, reloading, medicine, gold, gems.



**POCKET SIZE-EASY
TO STORE**

Image: The compact THINKSCALE TK1-50 Milligram Scale, easily portable for various uses.

2. PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- THINKSCALE TK1-50 Milligram Scale
- 50g Calibration Weight
- Weighing Pan/Tray
- Tweezers
- 2 x AAA Batteries (included)
- User Manual



Image: Complete package contents of the THINKSCALE TK1-50 Milligram Scale.

3. SETUP

3.1 Battery Installation

1. Open the battery compartment cover located on the underside of the scale.
2. Insert the 2 AAA batteries, ensuring correct polarity (+/-).
3. Close the battery compartment cover securely.

3.2 Initial Placement

Place the scale on a hard, flat, and stable surface. Ensure the environment is free from drafts and vibrations, which can affect measurement accuracy.

4. OPERATING INSTRUCTIONS

4.1 Power On/Off

- Press the **ON** button to turn the scale on.
- Press the **OFF** button to turn the scale off.
- The scale features an auto-off function after 180 seconds of inactivity to conserve battery life.

4.2 Unit Conversion

To switch between available weighing units, press the **MODE** button repeatedly. The scale supports 6 units:

- g (grams)
- oz (ounces)
- ozt (troy ounces)
- dwt (pennyweights)
- ct (carats)
- gn (grains)



Image: Displaying the multiple weighing units available on the scale.

4.3 Tare Function

The Tare function allows you to subtract the weight of a container, providing only the net weight of the item being measured.

1. Place an empty container (e.g., the weighing pan) on the scale platform.

2. Wait for the display to stabilize.
3. Press the **TARE** button. The display will reset to zero.
4. Add the item you wish to weigh into the container. The display will show only the net weight of the item.



Press "ON/OFF" key turn the scale on



Turn the tray on the scale, then press "TARE" key



Put the gold in the tray

Image: Step-by-step illustration of using the Tare function.

4.4 Calibration

Regular calibration ensures the accuracy of your scale. A 50g calibration weight is included for this purpose.

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.
3. Press the **MODE** button again. The display will show the required calibration weight (e.g., '50.000g').
4. Carefully place the 50g calibration weight in the center of the weighing platform.
5. Wait for the display to show 'PASS' and then return to normal weighing mode. Calibration is complete.

CALIBRATION



Press "ON/OFF" key turn the scale on, then press and hold "MODE" key till the display shows "CAL"



Press "MODE" key again, display shows "50.0000g"



Place 50g calibration weight on the platform till the display shows "PASS"

Image: Step-by-step illustration of the calibration process.

4.5 Weighing Items

Place the item(s) to be weighed gently onto the center of the weighing platform. For powders or small items, use the included weighing pan.

PRECISE The high-precision sensor measures down to 0.001grams



Image: Demonstrating precise weighing of powder using the scale and weighing pan.

4.6 Official Product Videos

Video: A brief overview of the Digital Milligram Scale, demonstrating its features and ease of use.

Video: Another demonstration of the Digital Milligram Scale, highlighting its functionality.

5. MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the scale. Avoid abrasive cleaners or submerging the scale in water.
- **Protection:** The quality ABS flip cover protects the weighing pan and sensors from bumps and rubs, enhancing durability. Keep the cover closed when not in use.
- **Storage:** Store the scale in its original packaging or a protective case in a dry, stable environment to prevent dust accumulation and damage.

6. TROUBLESHOOTING

- **Low Battery Indicator:** If the LCD displays a low battery symbol, replace the 2 AAA batteries promptly.
- **Overload Indicator:** If 'O-Ld' or a similar message appears, the scale is overloaded. Remove items immediately to prevent damage.
- **Unstable Position Indicator:** If the display shows an 'UNST' or similar message, the scale is on an unstable surface. Move it to a flat, stable, and vibration-free location.
- **Inaccurate Readings:** Ensure the scale is calibrated regularly. Avoid drafts and vibrations during weighing. Ensure the weighing pan is clean and correctly placed.

7. SPECIFICATIONS

Feature	Detail
Model Number	TK1-50
Capacity	50g
Readability	0.001g
Weighing Units	g, oz, ozt, dwt, ct, gn
Display Type	Backlit LCD
Power Source	2 AAA batteries (included)
Product Dimensions	4.92 x 2.75 x 0.75 inches
Item Weight	1.76 ounces
Special Features	Auto Shut Off, Backlit Display, Lightweight, Portable, Tare Function

8. WARRANTY AND SUPPORT

THINKSCALE offers a **10-year warranty** and **lifetime support** for this product. If you have any questions or require assistance with your scale, please do not hesitate to contact THINKSCALE customer service.