THINKSCALE TK6-1500gn

THINKSCALE TK6-1500gn Digital Reloading Scale Instruction Manual

Model: TK6-1500gn

1. Introduction

Thank you for choosing the THINKSCALE TK6-1500gn Digital Reloading Scale. This high-precision instrument is designed for accurate weighing of powder, bullets, and other small components in reloading applications. Please read this manual thoroughly before use to ensure proper operation and to maximize the lifespan of your device.

The TK6-1500gn scale offers a capacity of 1500 grains (100 grams) with a fine accuracy of 0.1 grain (0.005 grams), making it suitable for precise measurements. Its compact design and included accessories provide a complete solution for your reloading needs.

2. Package Contents

Verify that all items are present in your package:

- THINKSCALE TK6-1500gn Digital Reloading Scale
- 50g Calibration Weight
- Tweezers
- Scoop
- Brush
- Gold Weighing Pan
- Reloading Funnel
- Storage Bag
- User Manual



Image: The complete 7-in-1 reloading scale set, including the scale, calibration weight, tweezers, scoop, brush, weighing pan, funnel, and storage bag.

3. Product Features

- **High Accuracy:** Measures with 0.1 grain (0.005g) precision.
- **Capacity:** Up to 1500 grains or 100 grams.
- **Multiple Units:** Easily switch between grains (gn) and grams (g).
- **Backlit LCD Display:** Ensures clear readability in various lighting conditions.
- **Tare Function:** Allows zeroing the weight of containers.
- **PCS Counting Function:** For counting multiple small items.
- **Auto-Off:** Saves battery power with a 180-second automatic shutdown.
- **Protective Cover:** Integrated cover to prevent damage.
- **Portable Design:** Compact and lightweight for easy transport and storage.



Image: The compact dimensions of the scale (4.5 x 2.6 x 0.98 inches) and its carrying case (6.3 x 3.3 x 0.8 inches), highlighting its portability.

4. Setup

1. **Unpack:** Carefully remove all components from the packaging.
2. **Power Source:** Ensure batteries are correctly installed. The scale typically uses AAA batteries (not always included, check package).
3. **Placement:** Place the scale on a flat, stable, and vibration-free surface. Avoid areas with drafts, extreme temperatures, or electromagnetic interference, as these can affect accuracy.
4. **Initial Power On:** Press the 'ON/OFF' button to turn on the scale. The display will show '88888' and then '0.000' or '0.0'.

5. Operation

5.1 Basic Weighing

1. Turn on the scale by pressing the 'ON/OFF' button.
2. Wait for the display to stabilize at '0.000' or '0.0'.
3. Gently place the item to be weighed onto the center of the weighing platform.
4. Read the stable weight displayed on the LCD screen.



Image: The digital scale showing a measurement of 14.85 grams, with powder accurately weighed in the gold pan.

5.2 Unit Conversion (MODE Function)

To switch between weighing units (grains 'gn' and grams 'g'):

- With the scale on, press the 'MODE' button repeatedly.
- The display will cycle through available units. Select 'gn' for grains or 'g' for grams as needed.



Image: Two scales demonstrating unit conversion, one displaying 26.367 grains and the other 43.5 grains, with various reloading components.

5.3 Tare Function

The Tare function allows you to subtract the weight of a container, so only the net weight of the contents is measured.

1. Place an empty container (e.g., the gold weighing pan) on the weighing platform.
2. Press the 'TARE' button. The display will reset to '0.000' or '0.0'.
3. Add the items to be weighed into the container. The display will show only the weight of the added items.

5.4 PCS Counting Function

This function allows you to count a quantity of identical items.

1. Turn on the scale and ensure it reads '0.000'.
2. Press and hold the 'PCS' button until a sample quantity (e.g., '25', '50', '75', '100') appears.

3. Place the corresponding number of items (e.g., 25 bullets) onto the platform.
4. Press the 'PCS' button again to confirm the sample. The display will now show the count of items.
5. You can now add more items, and the scale will display the total count.

5.5 Backlight (LIGHT Function)

To turn the LCD backlight on or off:

- Press the 'LIGHT' button. The backlight will toggle between on and off.



Image: An annotated diagram illustrating the functions of the scale's control buttons: MODE for unit conversion, TARE for zeroing, ON/OFF for power, LIGHT for backlight, and PCS for counting.

6. Calibration

Regular calibration ensures the accuracy of your scale. It is recommended to calibrate the scale before first use and periodically thereafter, or if you suspect inaccurate readings.

1. **Power On:** Press 'ON/OFF' to turn the scale on.
2. **Enter Calibration Mode:** Press and hold the 'MODE' button until the display shows 'CAL'.
3. **Place Calibration Weight:** The display will then show the required calibration weight, typically '50.000' (for 50g). Place the included 50g calibration weight precisely on the center of the weighing platform.
4. **Confirm Calibration:** Wait for a few seconds. The display will show 'PASS' and then return to normal weighing mode ('0.000' or '0.0'). Calibration is complete.



Image: A step-by-step visual guide for calibration: 1. Turn on scale. 2. Hold MODE for 'CAL'. 3. Place 50g weight. 4. Display shows 'PASS'.

7. Maintenance

- **Cleaning:** Wipe the scale with a soft, damp cloth. Do not use abrasive cleaners or immerse the scale in water.
- **Storage:** Store the scale in its protective bag in a dry, cool place away from dust and direct sunlight.
- **Battery Replacement:** Replace batteries when the low battery indicator appears on the display. Remove batteries if the scale will not be used for an extended period.

- **Handle with Care:** Avoid dropping the scale or subjecting it to strong impacts, as this can damage the internal sensors.

8. Troubleshooting

Problem	Possible Cause	Solution
Scale does not turn on	Low or dead batteries; incorrect battery installation.	Replace batteries; ensure correct polarity.
Inaccurate readings	Needs calibration; unstable surface; drafts; electromagnetic interference; overloaded.	Recalibrate the scale; place on a stable surface; avoid drafts; move away from electronic devices; do not exceed maximum capacity.
Display shows 'EEEE'	Overload error.	Remove the item immediately. Do not exceed the maximum capacity of 1500 grains / 100 grams.
Display shows 'UNST'	Unstable reading.	Ensure the scale is on a stable surface and there are no vibrations or air currents.

9. Specifications

- **Brand:** THINKSCALE
- **Model:** TK6-1500gn
- **Capacity:** 1500 grains / 100 grams
- **Accuracy:** 0.1 grain / 0.005 gram
- **Units:** Grains (gn), Grams (g)
- **Display:** Backlit LCD
- **Auto-Off:** 180 seconds
- **Material:** Acrylonitrile Butadiene Styrene (ABS)
- **Color:** Green
- **Special Features:** Lightweight, Portable, Smart
- **UPC:** 765546661107

10. Warranty and Support

THINKSCALE provides a **10-year warranty** for the TK6-1500gn Digital Reloading Scale. Additionally, we offer **lifetime support** for our products. If you have any questions, concerns, or require assistance with your scale, please do not hesitate to contact our customer service team. We are committed to responding to all inquiries within 24 hours.

For support, please refer to the contact information provided on our official website or the product packaging.

11. Safety Information

- Keep the scale out of reach of children.
- Do not attempt to disassemble or modify the scale, as this will void the warranty and may cause damage.

- Use only the specified battery type.
- Dispose of batteries according to local regulations.
- Avoid exposing the scale to extreme temperatures, humidity, or corrosive substances.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question