

Weighmax W-CT20

Weighmax CT20 Portable Milligram Pocket Scale User Manual

Model: W-CT20

1. INTRODUCTION

Thank you for purchasing the Weighmax CT20 Portable Milligram Pocket Scale. This precision instrument is designed for accurate weighing of small items, offering a capacity of 20 grams with a readability of 0.001 grams. Its compact design and included accessories make it ideal for various applications requiring high precision. Please read this manual thoroughly before operating the scale to ensure proper use and longevity.

2. PACKAGE CONTENTS

Carefully unpack all items and inspect for any damage. If any items are missing or damaged, please contact your retailer.

- Weighmax CT20 Portable Milligram Pocket Scale
- 10g Calibration Weight
- 20g Calibration Weight
- Tweezers
- 2 x AAA Batteries (pre-installed or included separately)
- User Manual



Image: Weighmax CT20 scale and its accessories, including calibration weights and tweezers, neatly arranged within the product box.

3. PRODUCT FEATURES

- **High Precision:** 20g capacity with 0.001g readability.
- **Multiple Weighing Modes:** Supports grams (g), carats (ct), grains (gn), and pennyweights (dwt).
- **Tare Function:** Allows for weighing items in a container by subtracting the container's weight.
- **Piece Counting Function (PCS):** Enables counting of multiple items of uniform weight.
- **Stainless Steel Platform:** Durable and easy to clean.
- **Protective Cover:** Flip-over cover protects the weighing platform and display.
- **Backlit LCD Display:** Provides clear readings in various lighting conditions.



Image: The Weighmax CT20 scale with its clear protective cover open, revealing the digital display, control buttons (ON/OFF, MODE, TARE, PCS), and the stainless steel weighing platform. Two calibration weights (10g and 20g) and a pair of tweezers are positioned next to the scale.

4. SETUP

4.1 Battery Installation

The scale operates on 2 AAA batteries, which are included. The battery compartment is located on the underside of the scale. Ensure correct polarity when inserting batteries.

4.2 Placement

For accurate readings, place the scale on a hard, flat, and stable surface. Avoid placing it on soft surfaces like carpets or near sources of vibration, drafts, or extreme temperature changes.

5. OPERATING INSTRUCTIONS

5.1 Power On/Off

- To turn the scale **ON**, press the **ON/OFF** button. The display will show "88888" and then "0.000g".
- To turn the scale **OFF**, press and hold the **ON/OFF** button for a few seconds until the display turns off. The scale also features an auto-off function to conserve battery power.

5.2 Weighing Procedure

1. Place the scale on a stable, level surface.
2. Press the **ON/OFF** button to turn on the scale.
3. Wait for the display to show "0.000g".
4. Gently place the item(s) to be weighed onto the center of the weighing platform.
5. Read the weight displayed on the LCD screen.



Image: The Weighmax CT20 scale with its protective cover fully opened, revealing the stainless steel weighing platform. A small cylindrical calibration weight is placed centrally on the platform, demonstrating its readiness for use.

5.3 Tare Function

The Tare function allows you to subtract the weight of a container or other items to get the net weight of your desired object.

1. Place the empty container on the weighing platform.
2. Press the **TARE** button. The display will reset to "0.000g".

3. Place the item(s) to be weighed into the container. The display will show the net weight of the item(s).

5.4 Unit Conversion (MODE)

The scale supports multiple weighing units. To switch between units:

- Press the **MODE** button repeatedly to cycle through the available units: grams (g), carats (ct), grains (gn), and pennyweights (dwt).

5.5 Piece Counting Function (PCS)

This function allows you to count a large number of uniform items.

1. Turn on the scale and ensure it reads "0.000g".
2. Press and hold the **PCS** button until a sample size (e.g., "25", "50", "75", "100") appears on the display.
3. Press the **MODE** button to select your desired sample size.
4. Place the exact number of items corresponding to the selected sample size onto the platform.
5. Press the **PCS** button again to confirm the sample. The display will now show "PCS" and the number of items.
6. You can now add more items of the same type, and the scale will count them.

6. CALIBRATION

Calibration ensures the accuracy of your scale. It is recommended to calibrate the scale periodically or if you notice inconsistent readings. Use the included 10g and 20g calibration weights.

1. Turn on the scale and wait for it to stabilize at "0.000g".
2. Press and hold the **MODE** button until the display shows "CAL".
3. Press the **MODE** button again. The display will flash the required calibration weight (e.g., "20.000g").
4. Carefully place the specified calibration weight (e.g., 20g) onto the center of the weighing platform.
5. Wait for the display to show "PASS" and then return to normal weighing mode. This indicates successful calibration.
6. Remove the calibration weight.

7. MAINTENANCE AND CARE

- **Cleaning:** Wipe the scale with a slightly damp cloth. Do not use abrasive cleaners or immerse the scale in water. The stainless steel platform is easy to clean.
- **Storage:** Store the scale in a clean, dry environment. Keep the protective cover closed when not in use to prevent dust and damage.
- **Handling:** Handle the scale with care. Avoid dropping it or subjecting it to strong shocks, as this can damage the internal sensor.
- **Batteries:** Remove batteries if the scale will not be used for an extended period to prevent leakage.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Display shows "Lo"	Low battery power.	Replace the batteries.

Problem	Possible Cause	Solution
Display shows "O-Ld"	Overload. The weight on the platform exceeds the maximum capacity.	Remove the excess weight immediately to prevent damage.
Inaccurate readings	Unstable surface, drafts, temperature changes, or needs calibration.	Place on a stable, level surface. Avoid drafts. Allow scale to acclimate to room temperature. Perform calibration.
Scale does not turn on	Batteries are dead or incorrectly installed.	Check battery orientation or replace batteries.

9. SPECIFICATIONS

Feature	Detail
Model Number	W-CT20
Capacity	20 grams (2E+1 Grams)
Readability	0.001 grams
Weighing Units	g, ct, gn, dwt
Display Type	Digital LCD
Power	2 x AAA Batteries (included)
Product Dimensions	7.25 x 3.5 x 1.88 inches
Item Weight	10.4 ounces
Platform Material	Stainless Steel
Special Features	Luxury Package with Accessories, Unit Conversion, Piece Counting



Weighing Platform: 2.2 x 1.4 in.
Overall Dimensions: 4.5 x 2.5 x 1.5 in.
LCD Display Size: 0.5 x 1.2 in.

Image: The Weighmax CT20 scale shown with its key dimensions labeled, including overall length, width, height, and the size of the weighing platform and LCD display.

10. WARRANTY AND SUPPORT

Weighmax products are manufactured to high-quality standards. For specific warranty information or technical support, please refer to the warranty card included with your product or visit the official Weighmax website. Please retain your proof of purchase for any warranty claims.

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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

Answered questions about this manual

Why will my Weighmax W-CT20 scale not register small items and return to zero immediately while displaying 'zero' in the corner?

If your Weighmax W-CT20 is failing to register small items and resetting to zero, it often indicates that the scale needs to be recalibrated or is being affected by environmental factors. Because this is...

[Read full answer](#)