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## MAXUS D214

# MAXUS Digital Milligram Scale

MODEL: D214 - USER INSTRUCTION MANUAL

## Introduction

Thank you for choosing the MAXUS Digital Milligram Scale. This precision instrument is designed for highly accurate measurements up to 50g with a readability of 0.001g, making it ideal for a wide range of applications including powders, jewelry, and other delicate items. Please read this manual thoroughly before operation to ensure proper use and to maximize the lifespan of your scale.

## Package Contents

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

- MAXUS Digital Milligram Scale (Model D214)
- 50g Calibration Weight
- Powder Trickler
- Weighing Pan
- Tweezers
- Scoop
- USB Cable
- AAA Batteries (2)



Image: MAXUS Digital Milligram Scale with all included accessories, including the scale, calibration weight, powder trickler, weighing pan, tweezers, scoop, USB cable, and batteries.

## Setup

- Power Supply:** The scale can be powered by 2 AAA batteries (included) or via the included USB cable. Insert batteries into the compartment on the underside of the scale, or connect the USB cable to a power source.
- Placement:** Place the scale on a stable, level, and vibration-free surface. Avoid areas with drafts, extreme temperature changes, or direct sunlight, as these can affect accuracy.
- Initial Power On:** Press the **ON/OFF** button to turn on the scale. The display will show "88888" and then "0.000g".

## Two ways of power supply

**Battery Mode**



**USB Mode**



Image: Illustration showing the two power supply options for the MAXUS Digital Milligram Scale: Battery Mode and USB Mode.

### Operating Instructions

1. **Power On/Off:** Press the **ON/OFF** button to turn the scale on or off.
2. **Unit Conversion:** Press the **M** (Mode) button to cycle through the available weighing units: g (grams), oz (ounces), ozt (troy ounces), dwt (pennyweights), ct (carats), and gn (grains).



Image: Diagram illustrating the six different weighing units available on the MAXUS Digital Milligram Scale: g, oz, ozt, dwt, ct, and gn, changed by pressing the 'M' button.

3. **Tare Function:** Use the Tare function to subtract the weight of a container, allowing you to measure only the contents.
  - a. Turn on the scale and wait for it to stabilize at "0.000g".
  - b. Place the empty container on the weighing pan. The display will show the container's weight.
  - c. Press the **T** (Tare) button. The display will reset to "0.000g".
  - d. Add the item(s) to be weighed into the container. The display will show the net weight of the items.

## Tare Function



1 Open the product and press the "ON/OFF" key



2 Put the item on weighing pan



3 Press "T" key to let reading reset to zero



4 Get the weight

Image: Four-step visual guide demonstrating the Tare Function: 1. Open product and press ON/OFF. 2. Put item on weighing pan. 3. Press 'T' key to reset reading to zero. 4. Get the weight of the added substance.

4. **Weighing:** Place the item directly onto the weighing pan or into a tared container. Wait for the reading to stabilize.
5. **Auto Shut-Off:** The scale features an auto shut-off function to conserve battery power. It will automatically turn off after a period of inactivity.

## Calibration

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

1. Ensure the scale is on a stable surface and turned off.
2. Press and hold the **M** (Mode) button. While holding, press the **ON/OFF** button. Release both buttons when the display shows "CAL".
3. The display will then flash "50.000g".
4. Carefully place the 50g calibration weight in the center of the weighing pan.
5. Wait for a few seconds. The display will show "PASS" and then return to "0.000g". Calibration is complete.

# Calibration



1 Press and hold the "M" key until display reads "CAL"



2 Press the "M" key again and the display will show the 50g



3 Place the 50g weight the center of the platform



4 The LCD display will read "PASS"

Image: Four-step visual guide demonstrating the Calibration process: 1. Press and hold 'M' key until display reads "CAL". 2. Press 'M' key again, display shows "50g". 3. Place 50g weight on platform. 4. LCD displays "PASS".

## 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 a clean, dry environment away from extreme temperatures, humidity, and vibrations. Keep the protective cover closed when not in use.
- Battery Replacement:** If the battery indicator appears low or the scale does not power on, replace the AAA batteries.

## Troubleshooting

Problem	Possible Cause	Solution
Scale does not turn on	Low batteries; Incorrect battery installation; No USB power.	Replace batteries; Check battery polarity; Ensure USB cable is properly connected to a power source.

Problem	Possible Cause	Solution
Inaccurate or unstable readings	Unstable surface; Drafts or vibrations; Needs calibration; Overload; Temperature fluctuations.	Place on a firm, level surface; Avoid drafts; Perform calibration; Do not exceed 50g capacity; Allow scale to acclimate to room temperature.
"O-Ld" or "EEEE" displayed	Overload.	Remove the item immediately. The scale's capacity is 50g.
"UNST" displayed	Unstable environment.	Ensure the scale is on a stable, vibration-free surface.

## Specifications

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- **Brand:** MAXUS
- **Model:** D214
- **Capacity:** 50g
- **Accuracy:** 0.001g
- **Weighing Units:** g, oz, ozt, dwt, ct, gn
- **Display Type:** LCD with Backlit Display
- **Special Features:** Auto Shut Off, Tare Function
- **Power Options:** 2 x AAA Batteries or USB Cable
- **Material:** Acrylonitrile Butadiene Styrene, Stainless Steel
- **Product Dimensions:** 5.43 x 3.15 x 0.98 inches
- **Item Weight:** 11.2 ounces



Image: Diagram showing the dimensions of the MAXUS Digital Milligram Scale: 5.43 inches length, 3.15 inches width, and 0.98 inches height.

## Warranty and Support

For warranty information, technical support, or any inquiries regarding your MAXUS Digital Milligram Scale, please refer to the contact information provided on the product packaging or visit the official MAXUS website. Keep your purchase receipt as proof of purchase for warranty claims.