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Fuzion KL7

Fuzion KL7 Milligram Scale User Manual

Model: KL7

1. INTRODUCTION

Thank you for choosing the Fuzion KL7 Milligram Scale. This high-precision digital scale is designed for accurate measurements up to 50 grams with a readability of 0.001g (1mg). It is ideal for weighing small items such as powders, jewelry, gemstones, and for reloading applications. This manual provides essential information for proper setup, operation, and maintenance to ensure optimal performance and longevity of your scale.

2. WHAT'S IN THE BOX

Your Fuzion KL7 Milligram Scale package includes the following items:

- Fuzion KL7 Milligram Scale
- 1 x 20g Calibration Weight
- 1 x Powder Pan
- 1 x Scoop
- 1 x Tweezer
- 2 x AAA Batteries
- 1 x Mini Spoon (located at the bottom of the scale)



Come with All Necessary Accessories

Image: Fuzion KL7 Milligram Scale with all included accessories laid out.

3. SETUP

Follow these steps for initial setup of your Fuzion KL7 Milligram Scale:

1. **Unpack the Scale:** Carefully remove the scale and all accessories from the packaging.
2. **Install Batteries:** Open the battery compartment cover on the bottom of the scale. Insert the two AAA batteries, ensuring correct polarity. Close the battery compartment.
3. **Placement:** Place the scale on a flat, stable, and vibration-free surface. Avoid placing it near air vents, fans, or in direct sunlight, as these can affect accuracy.
4. **Remove Protective Film:** If present, remove any protective film from the display and weighing platform.

Video: An overview of the Fuzion KL7 Milligram Scale, demonstrating its features, unit conversion, tare function, and calibration process.

4. OPERATING INSTRUCTIONS

4.1 Power On/Off

- Press the **ON/OFF** button to turn the scale on.
- Press and hold the **ON/OFF** button to turn the scale off.

4.2 Unit Conversion

The Fuzion KL7 scale supports 6 different weighing modes:

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

To change the weighing unit, press the **MODE** button repeatedly until the desired unit is displayed on the LCD screen.

6 Modes Available



Image: The scale's display showing the various measurement units available.

4.3 Tare Function

The Tare function allows you to subtract the weight of a container, so you can measure only the contents.

1. Place an empty container (e.g., the powder pan) on the weighing platform.
2. Wait for the display to stabilize.
3. Press the **TARE** button. The display will reset to zero.
4. Add the items you wish to weigh into the container. The display will show the net weight of the items.

4.4 Counting Function (PCS)

The PCS function allows you to count items of uniform weight.

1. Place a sample quantity of items (e.g., 25, 50, 75, or 100 pieces) on the weighing platform.
2. Press and hold the **PCS** button until the display shows a number (e.g., "25").
3. Press the **MODE** button to select the sample quantity that matches the number of items you placed on the scale.
4. Press the **PCS** button again to confirm. The scale is now in counting mode.
5. Add more items to the platform, and the display will show the total count of items.

4.5 Calibration

Calibration ensures the accuracy of your scale. It is recommended to calibrate the scale regularly or if you notice any inconsistencies.

1. Turn the scale **ON** and wait for the display to show "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" or "50.000g").
4. Place the corresponding calibration weight (e.g., the included 20g weight) onto the center of the weighing platform.
5. Wait for the display to show "PASS" and then return to the normal weighing mode with the calibration weight's value displayed. This indicates successful calibration.
6. Remove the calibration weight. The display should return to "0.000g".



Image: The Fuzion KL7 scale accurately measuring small quantities of powder and capsules.

5. MAINTENANCE

Proper care will extend the life and accuracy of your Fuzion KL7 Milligram Scale:

- **Cleaning:** Use a soft, slightly damp cloth to clean the scale. Do not use abrasive cleaners, harsh chemicals, or immerse the scale in water.
- **Storage:** Store the scale in a clean, dry environment. Keep the protective cover closed when not in use to prevent dust and debris from affecting the weighing mechanism.
- **Avoid Overload:** Do not exceed the maximum weight capacity of 50g. Overloading can damage the internal sensor.
- **Handle with Care:** The scale is a precision instrument. Avoid dropping it or subjecting it to strong impacts.

6. TROUBLESHOOTING

If you encounter issues with your Fuzion KL7 Milligram Scale, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Display shows "Lo"	Low battery power	Replace the AAA batteries.
Display shows "O-Ld"	Overload	Remove excess weight immediately. Do not exceed 50g.
Inaccurate readings	Unstable surface, drafts, or calibration needed	Place on a stable surface, avoid drafts, and perform calibration.
Scale does not turn on	Batteries incorrectly installed or dead	Check battery polarity or replace batteries.

7. SPECIFICATIONS

Feature	Detail
Brand	Fuzion
Model	KL7
Color	Black
Weight Capacity Maximum	50 Grams
Readability	0.001g / 1mg
Minimum Weight	0.005g
Weighing Modes	g, oz, gn, ct, dwt, ozt
Display Type	LCD with Backlight
Special Features	Auto Shut Off (adjustable), Backlit Display, Lightweight, Precision Balanced, Tare Function, PCS Counting Function
Power Source	2 x AAA Batteries
Material Type	Acrylonitrile Butadiene Styrene
Item Weight	19.96 g

8. WARRANTY AND SUPPORT

Fuzion offers a 10-Year warranty and lifetime support for this milligram scale. Our dedicated Fuzion support team is available to assist with any questions or concerns you may have regarding your product. Please refer to the contact information provided in your product packaging or visit the official Fuzion website for assistance.