Neufday Neufdayqyt93m0s8z-02

Neufday 20kg 0.1g Digital Balance Scale User Manual

Model: Neufdayqyt93m0s8z-02

1. Introduction

This manual provides instructions for the proper setup, operation, and maintenance of your Neufday 20kg 0.1g Digital Balance Scale. Please read this manual thoroughly before using the device to ensure accurate measurements and safe operation. This high-precision electronic balance is designed for laboratory, industrial, home, and business applications requiring accurate weight measurements up to 20,000 grams with 0.1 gram resolution.

2. Safety Information

- Do not overload the scale beyond its maximum capacity of 20,000g.
- Operate the scale on a stable, level surface free from vibrations and drafts.
- Avoid extreme temperature changes and direct sunlight.
- Keep the scale away from strong electromagnetic fields.
- Do not immerse the scale in water or other liquids.
- Use only the provided power adapter.
- When removing the weighing pan, rotate it according to the direction of the hour hand before lifting. Do not lift directly.

3. Package Contents

Verify that all items are present in the package:

- 1 x Neufday Digital Balance Scale
- 1 x Weighing Pan (Iron Tray)

- 1 x Power Adapter (US Plug, 100-240V)
- 1 x Iron Bracket (for pan support)
- 2 x Screws (for assembly, if needed)
- 1 x Instruction Manual (this document)
- *Note: 1 x 9V Battery is not included.*

4. Product Overview



Figure 4.1: Front view of the Neufday Digital Balance Scale, showing the LCD display, control buttons (ON/OFF, UNIT, PCS, CAL, TARE/ZERO), and the weighing pan.

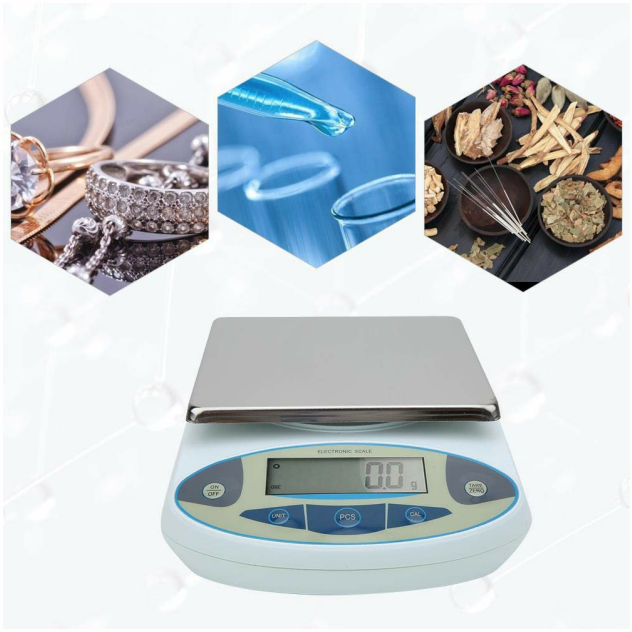


Figure 4.2: Illustrative applications of the balance scale, including weighing jewelry, measuring liquids with a dropper, and portioning herbs.



Figure 4.3: Dimensions of the scale, approximately 27cm (10.4in) in length, 19.5cm (7.7in) in width, and 6cm (2.4in) in height.



Figure 4.4: Close-up view of the integrated bubble level, used to ensure the scale is perfectly horizontal for accurate measurements.



Figure 4.5: The included US plug power adapter (Model WK-05A, Input 100-240VAC, Output 5V-2A).



Figure 4.6: The DC power input port located on the side of the scale for connecting the power adapter.



Figure 4.7: Bottom view of the scale, illustrating the four adjustable leveling feet and the battery compartment (for 9V battery, not included).



Figure 4.8: Side profile of the digital balance scale with the stainless steel weighing pan in place.

5. Setup

1. **Unpacking:** Carefully remove all components from the packaging.
2. **Placement:** Place the scale on a firm, level, and stable surface, away from direct sunlight, drafts, and vibrations.
3. **Assembly:**
    - Attach the iron bracket to the scale body using the provided screws, if not already assembled.
    - Carefully place the weighing pan onto the bracket. Ensure it sits securely and does not wobble.

4. **Leveling:** Use the adjustable leveling feet on the bottom of the scale to ensure the bubble in the integrated level indicator (Figure 4.4) is centered. This is crucial for accurate measurements.
5. **Power Connection:**
    - **AC Power:** Connect the provided power adapter to the DC input port (Figure 4.6) on the side of the scale, then plug it into a suitable electrical outlet (100-240V).
    - **Battery Power (Optional):** For portable use, install a 9V battery (not included) into the battery compartment on the bottom of the scale (Figure 4.7).

6. Operating Instructions

6.1 Power On/Off

- Press the **ON/OFF** button to turn the scale on. The display will show "88888" then "0.0g".
- Press and hold the **ON/OFF** button for a few seconds to turn the scale off.

6.2 Basic Weighing

1. Ensure the scale is on and displays "0.0g".
2. Place the item to be weighed gently onto the center of the weighing pan.
3. Read the stable weight displayed on the LCD screen.

6.3 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 on the weighing pan. The display will show its weight.
2. Press the **TARE/ZERO** button. The display will reset to "0.0g".
3. Add the items to be weighed into the container. The display will show the net weight of the items.
4. To clear the tare, remove the container and press **TARE/ZERO** again, or turn the scale off and on.

6.4 Unit Selection

The scale supports multiple weighing units.

- Press the **UNIT** button to cycle through available units: g (grams), ct (carats), oz (ounces), lb (pounds), ozt (troy ounces), tol (tola), dwt (pennyweights), mm (momme), kg (kilograms), %.
- The selected unit will be indicated on the LCD display.

6.5 Piece Counting (PCS)

The PCS function allows you to count a large number of identical items.

1. Place a sample quantity of items (e.g., 10, 20, 50, or 100 pieces) on the pan.
2. Press and hold the **PCS** button until a number (e.g., "25" or "50") appears on the display.
3. Press the **UNIT** button to select the sample quantity that matches the number of items you placed on the pan.
4. Press **PCS** again to confirm. The display will now show the count of the sample.
5. Add more items of the same type to the pan, and the scale will display the total count.
6. To exit piece counting mode, press the **UNIT** button.

7. Calibration

For optimal accuracy, especially after initial setup, relocation, or significant temperature changes, the scale should be calibrated. This scale requires a 10,000g (10kg) calibration weight.

- Ensure the scale is on a stable, level surface and displays "0.0g".
- Press and hold the **CAL** button for approximately 5 seconds. The display will show "CAL" followed by the required calibration weight, which is typically "10000g".
- Carefully place a certified 10,000g (10kg) calibration weight onto the center of the weighing pan.
- The scale will process the calibration. Once complete, it will return to normal weighing mode, displaying "0.0g".
- Remove the calibration weight.
- ***Important Note:*** *The accuracy of your calibration depends on the precision of the calibration weight used. A Class 1 or F1 10kg weight is recommended for best results. Calibration should be performed regularly to maintain accuracy.*

8. Maintenance

- **Cleaning:** Wipe the scale surface and weighing pan with a soft, damp cloth. Do not use abrasive cleaners or immerse the scale in water.
- **Storage:** When not in use for extended periods, store the scale in a clean, dry, and stable environment. Remove the 9V battery if using battery power.
- **Pan Removal:** To remove the weighing pan for cleaning, gently rotate it clockwise or counter-clockwise (as if following the hour hand) before lifting. Do not lift directly upwards to avoid damaging the sensor.

9. Troubleshooting

Problem	Possible Cause	Solution
Scale does not turn on.	No power or low battery.	Check power adapter connection. If using battery, replace 9V battery.
Inaccurate readings.	Not level, unstable surface, drafts, needs calibration, overloaded.	Ensure scale is level and on a stable surface. Avoid drafts. Perform calibration (Section 7). Do not exceed 20,000g.
Display shows "EEEE".	Overload error.	Remove excess weight from the pan. Do not exceed 20,000g.

Problem	Possible Cause	Solution
Display shows "Lo".	Low battery indicator.	Replace the 9V battery or use the AC power adapter.
Display is unstable or fluctuates.	Unstable environment, vibrations, drafts, electromagnetic interference.	Relocate the scale to a more stable environment. Ensure no fans or air conditioning vents are blowing directly on the scale. Keep away from electronic devices.

10. Specifications

Brand:	Neufday
Model Number:	Neufdayqyt93m0s8z-02
Maximum Weight Capacity:	20,000g (20kg)
Accuracy Resolution:	0.1g
Display Type:	LCD with White Backlight
Weighing Units:	g, ct, oz, lb, ozt, tol, dwt, mm, kg, %
Power Supply:	AC Adapter (100-240V) or 1 x 9V Battery (not included)
Platform Diameter:	Approx. 13cm / 5.1in
Dimensions (L x W x H):	Approx. 27 x 19.5 x 6 cm / 10.4 x 7.7 x 2.4 in
Weight:	Approx. 1940g / 68.4oz
Material:	Plastic body, Iron weighing pan

11. Customer Support

If you encounter any issues or have questions regarding your Neufday Digital Balance Scale, please contact our customer service for assistance. Refer to your purchase documentation for specific contact details.

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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.

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