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Ohaus CX221

OHAUS Portable Balance CX221 AM User Manual

Model: CX221 | Brand: Ohaus

1. INTRODUCTION AND OVERVIEW

The OHAUS Portable Balance CX221 AM is a versatile and reliable weighing instrument designed for precise measurements in various settings, from laboratory applications to everyday kitchen use. Its compact and portable design, combined with accurate measurement capabilities, makes it an essential tool for tasks requiring exact weight determination.

Key features include a clear backlit LCD display, multiple weighing units (grams, ounces, newtons), and a convenient tare function for sequential measurements. The balance is engineered for durability and ease of cleaning, ensuring long-term performance.



Figure 1: OHAUS Portable Balance CX221 AM, showcasing its compact design and clear display.

2. SAFETY INFORMATION

- Always place the balance on a stable, level surface to ensure accurate readings.
- Avoid exposing the balance to extreme temperatures, humidity, or direct sunlight.
- Do not overload the balance beyond its maximum capacity of 220 grams.
- Keep the balance away from strong electromagnetic fields, which can interfere with its operation.
- Clean the balance with a soft, damp cloth. Do not use abrasive cleaners or immerse the unit in water.
- Store the balance in its original packaging or a protective case when not in use, especially during transport, to prevent damage.

3. SETUP

1. **Unpacking:** Carefully remove the OHAUS Portable Balance CX221 AM from its packaging. Retain the packaging for future storage or transport.
2. **Battery Installation:** The balance requires 3 AA batteries (not included). Locate the battery compartment on the underside of the unit, open the cover, insert the batteries according to the polarity indicators, and close the cover securely.
3. **Placement:** Place the balance on a firm, flat, and stable surface, free from vibrations or drafts. Ensure the surface is level for optimal accuracy.
4. **Platform Attachment:** Place the stainless steel weighing platform securely on the balance. This platform is removable for

easy cleaning and can be removed when weighing heavier items that might require a larger surface.

4. OPERATING INSTRUCTIONS

- Power On/Off:** Press the **ON/OFF** button to turn the balance on. The display will show "0.0" or "0.00" when ready for use. Press and hold the **ON/OFF** button to turn the balance off.
- Changing Units:** To cycle through available weighing units (grams (g), ounces (oz), newtons (N)), press the **UNIT** button. The current unit will be displayed on the screen.
- Tare Function:** The tare function allows you to subtract the weight of a container or to measure multiple ingredients sequentially.
 - Place an empty container on the weighing platform. The display will show its weight.
 - Press the **TARE** button. The display will reset to "0.0" or "0.00".
 - Add the item(s) you wish to weigh into the container. The display will show only the net weight of the added item(s).
 - You can repeat the tare process to measure additional ingredients.
- Weighing Items:** Once the balance is on and set to the desired unit, gently place the item(s) to be weighed onto the center of the weighing platform. Wait for the reading to stabilize before noting the weight.

5. MAINTENANCE

- Cleaning:** Regularly clean the weighing platform and the body of the balance. The stainless steel platform is removable for thorough cleaning. Use a soft, lint-free cloth, slightly dampened with water or a mild cleaning solution. Avoid harsh chemicals or abrasive materials.
- Storage:** When not in use for extended periods, store the balance in a dry, cool place, preferably in its original packaging to protect it from dust and physical damage.
- Battery Replacement:** If the display indicates low battery power, replace all 3 AA batteries promptly to ensure continued accurate operation.

6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Inaccurate readings	Unstable surface, drafts, overloaded, needs calibration.	Place on a stable, level surface. Avoid drafts. Ensure weight is within capacity. Refer to calibration instructions (if available in a separate guide).
Display shows "Lo" or no display	Low batteries or no batteries.	Replace the 3 AA batteries. Ensure they are inserted correctly.
Display shows "EEEE" or "O-Ld"	Overload.	Remove the item from the platform. Do not exceed the maximum weight capacity of 220 grams.
Scale does not turn on	No batteries, dead batteries, or incorrect battery insertion.	Check and replace batteries. Ensure correct polarity.

7. SPECIFICATIONS

- Model Number:** CX221
- Brand:** Ohaus

- **Color:** White
- **Product Dimensions:** 7.9 x 5.3 x 1.3 inches
- **Item Weight:** 1.36 Pounds
- **Weight Limit:** 220 Grams
- **Display Type:** LCD (with Backlit Display)
- **Batteries:** 3 AA batteries required
- **Manufacturer:** Ohaus
- **Date First Available:** May 9, 2019



Figure 2: Dimensions of the OHAUS Portable Balance CX221 AM.

8. WARRANTY AND SUPPORT

For warranty information, technical support, or service inquiries regarding your OHAUS Portable Balance CX221 AM, please refer to the official Ohaus website or contact Ohaus customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.

For additional resources and frequently asked questions, visit the [Ohaus official website](#).

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