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› OHAUS NV622-EU Navigator Portable Balance User Manual

Ohaus NV622-EU

OHAUS Navigator Portable Balance User Manual

Model: NV622-EU

INTRODUCTION

This manual provides essential information for the proper setup, operation, and maintenance of your OHAUS Navigator Portable Balance. The Navigator series is designed for general weighing applications in laboratory, industrial, and educational settings, offering precision and durability.



Image: OHAUS Navigator Portable Balance, showing the main unit with its weighing pan and LCD display.

SETUP

1. **Unpacking:** Carefully remove the balance and all components from the packaging. Verify that all items listed in the "What's in the Box" section are present.
2. **Placement:** Place the balance on a stable, level surface free from vibrations, drafts, and direct sunlight. Ensure adequate space around the unit for operation and ventilation.
3. **Power Connection:** Connect the provided power adapter to the balance and then to a suitable power outlet. The balance can also operate on batteries (not included) for portability.
4. **Leveling:** Use the adjustable feet and the spirit level (if present) to ensure the balance is perfectly level. This is crucial for accurate measurements.
5. **Initial Power On:** Press the **ON/OFF** button to power on the balance. Allow a brief warm-up period for stable readings.

OPERATING INSTRUCTIONS

Basic Weighing

- Zeroing the Balance:** Before placing any sample, ensure the display reads 0.00g. If not, press the **Zero** button to reset the display.
- Placing the Sample:** Carefully place the item to be weighed onto the center of the weighing pan.
- Reading the Measurement:** Wait for the reading to stabilize (indicated by a stability indicator on the display, if available). Read the weight displayed on the LCD.
- Removing the Sample:** Remove the item from the pan. The display should return to 0.00g or a stable negative value if tared.

Tare Function

The tare function allows you to weigh items in a container by subtracting the container's weight.

- Place the empty container on the weighing pan.
- Press the **Tare** button. The display will show 0.00g, and a "T" or "NET" indicator may appear.
- Add the material to be weighed into the container. The display will show the net weight of the material.

MAINTENANCE

- Cleaning:** Regularly clean the balance using a soft, damp cloth and mild detergent. Avoid abrasive cleaners or solvents. Ensure no liquids enter the balance housing.
- Calibration:** For optimal accuracy, periodic calibration with certified weights is recommended. Refer to the full product manual for detailed calibration procedures.
- Storage:** When not in use for extended periods, store the balance in a clean, dry environment, away from extreme temperatures and humidity.
- Pan Care:** The stainless steel weighing pan can be removed for cleaning. Handle with care to avoid bending or damaging it.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Display shows "Err" or "Overload"	Weight exceeds maximum capacity; pan overloaded.	Remove excess weight immediately. Ensure load is within 620g capacity.
Unstable readings	Vibrations, drafts, or unlevel surface.	Move balance to a stable, level surface. Shield from drafts. Re-level the balance.
Balance does not turn on	No power, faulty adapter, or dead batteries.	Check power connection. Try a different outlet. Replace batteries if applicable.
Inaccurate readings	Needs calibration, temperature change, or debris under pan.	Perform calibration. Allow balance to acclimate to room temperature. Clean under the pan.

SPECIFICATIONS

Feature	Detail
Model	NV622-EU
Capacity	620g
Readability	0.01g
Pan Size	145mm
Material	PLA (Polylactic Acid), PE (Polyethylene)
Item Weight	1.45 kg
Product Dimensions	7 x 23 x 20.4 cm
Display Type	LCD
Special Features	Portable

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official OHAUS website or contact your local OHAUS distributor. Keep your purchase receipt as proof of purchase for warranty claims.

Included Components: Portable Balance

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For more detailed information, please visit the [OHAUS official website](#).

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