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Ohaus NV2101

OHAUS Navigator Portable Scale User Manual

Model: NV2101 (83033087)

Introduction

This manual provides instructions for the OHAUS Navigator Portable Scale, Model NV2101. This scale is designed for various industrial, food, and laboratory weighing applications, offering a combination of features for efficient and accurate measurements.



Figure 1: OHAUS Navigator Portable Scale, Model NV2101.

Setup

1. **Unpacking:** Carefully remove the scale and all accessories from the packaging. Retain packaging for future transport or storage.
2. **Placement:** Place the scale on a stable, level surface, away from vibrations, drafts, and direct sunlight.
3. **Power Connection:** Connect the appropriate power adapter to the scale and a suitable power outlet. Ensure the power supply matches the scale's requirements.
4. **Shipping Lock:** Locate and remove the integrated shipping lock before initial use. This lock protects the weighing cell during transportation.
5. **Initial Calibration:** It is recommended to perform an initial calibration after setup to ensure accuracy. Refer to the "Operating" section for calibration procedures.

Operating Instructions

Key Features:

- **Touchless Sensors:** The Navigator Series features two touchless sensors for hands-free operation of functions such as zeroing, printing, or other programmable functions. This allows the operator to focus on sample handling.
- **Fast Stabilization:** The scale is designed to stabilize accurately in less than one second, providing rapid and precise weighing results to enhance operational efficiency.
- **Overload Protection:** A superior mechanical overload protection system is integrated, allowing the scale to withstand loads up to 400% of its rated capacity without damage.

Basic Weighing:

1. **Power On:** Press the **ON/OFF** button to turn on the scale.
2. **Zeroing:** If the display does not show zero, press the **ZERO** button or use the touchless sensor assigned to the zero function.
3. **Placing Sample:** Carefully place the item to be weighed on the center of the weighing pan.
4. **Reading Measurement:** Wait for the stability indicator to appear, then read the weight displayed on the screen.
5. **Taring:** To weigh an item in a container, place the empty container on the pan and press the **TARE** button. The display will return to zero. Then, add the item to the container to weigh only the net content.

Maintenance

- **Cleaning:** Clean the scale regularly with a damp cloth and mild detergent. Do not use abrasive cleaners or solvents. Ensure no liquid enters the scale's interior.
- **Calibration:** Regular calibration is crucial for maintaining accuracy. The frequency depends on usage and environmental conditions.
- **Storage:** When not in use for extended periods, store the scale in a dry, dust-free environment. Re-engage the shipping lock if transporting.

Troubleshooting

Problem	Possible Cause	Solution
Scale does not turn on.	No power supply; power adapter not connected; faulty power outlet.	Check power connection; try a different outlet; ensure power adapter is functional.
Inaccurate readings.	Not level; vibrations; drafts; needs calibration; shipping lock still engaged.	Ensure scale is level and stable; move away from disturbances; perform calibration; check for and remove shipping lock.
Display shows "OVERLOAD".	Weight exceeds capacity.	Remove excess weight immediately.

Specifications

Attribute	Value

Attribute	Value
Brand	Ohaus
Model Number	NV2101 (Item model number: 1199F63EA)
Weight Limit	2100 Grams (2.1 kg)
Readability	0.1 g
Item Weight	1905.09 Grams (approx. 4.2 Pounds)
Manufacturer	Ohaus Corporation
Country of Origin	USA
First Available Date	June 25, 2016

Warranty and Support

For detailed warranty information and technical support, please refer to the official OHAUS website or contact OHAUS customer service directly. Keep your purchase receipt for warranty claims.
Note: Protection plans are available separately and are not part of the standard product warranty.

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