Ohaus ES50R

Ohaus ES50R ES Industrial Bench Scale User Manual

Model: ES50R

1. INTRODUCTION

This manual provides essential instructions for the safe and efficient operation, setup, and maintenance of your Ohaus ES50R ES Industrial Bench Scale. The Ohaus ES50R is designed for industrial weighing applications, offering a capacity of 50 kg (110 lb) with a readability of 20 g (0.05 lb). Please read this manual thoroughly before using the scale to ensure proper functionality and to prevent damage.

2. SAFETY INFORMATION

Always observe the following safety precautions:

- Do not overload the scale beyond its maximum capacity of 50 kg (110 lb).
- Ensure the scale is placed on a stable, level surface to achieve accurate readings.
- Operate the scale only with the specified 120 V power supply.
- Avoid exposing the scale to extreme temperatures, humidity, or direct sunlight.
- Do not immerse the scale in water or other liquids.
- Keep the scale clean and free from dust and debris.
- Only qualified personnel should perform repairs or maintenance beyond routine cleaning.

3. PACKAGE CONTENTS

Verify that all components are present upon unpacking:

- Ohaus ES50R ES Industrial Bench Scale unit
- Power Adapter (for 120 V operation)
- User Manual (this document)

Figure 1: Ohaus ES50R ES Industrial Bench Scale. This image shows the complete bench scale unit, including the weighing platform and the display unit.

4. SETUP

1. **Unpacking:** Carefully remove all components from the packaging. Retain packaging for future transport or storage.
2. **Placement:** Place the scale on a firm, level, and stable surface, free from vibrations, drafts, and rapid temperature changes. Ensure adequate space around the scale for safe operation.
3. **Power Connection:** Connect the power adapter to the scale's power input port. Plug the adapter into a standard 120 V AC power outlet.
4. **Initial Power On:** Press the ON/OFF button to power on the scale. The display will perform a self-test and then show "0.00" or "0.0".
5. **Leveling:** If your scale includes adjustable feet, rotate them until the bubble in the spirit level (if present) is centered.

5. OPERATING INSTRUCTIONS

5.1 Basic Weighing

1. Ensure the scale is powered on and the display shows "0.00" or "0.0".
2. Place the item to be weighed gently in the center of the weighing platform.
3. Wait for the display to stabilize. The stable weight reading will be shown on the large LCD display.
4. Remove the item from the platform. The display should return to zero.

5.2 Tare Function

The tare function allows you to subtract the weight of a container, so only the net weight of the contents is displayed.

1. Place an empty container on the weighing platform.
2. Press the **TARE** button. The display will reset to "0.00" or "0.0", indicating the container's weight has been tared.
3. Add the material to be weighed into the container. The display will show the net weight of the material.
4. To clear the tare, remove the container from the platform and press the **TARE** button again.

5.3 Special Features

- **Auto Shut Off:** The scale is equipped with an auto shut-off feature to conserve power. If no activity is detected for a set period, the scale will automatically turn off.
- **Large Display:** The LCD display provides clear and easy-to-read weight indications.
- **Manual Shutdown:** To manually turn off the scale, press and hold the **ON/OFF** button until the display turns off.

6. MAINTENANCE

6.1 Cleaning

To maintain accuracy and prolong the life of your scale:

- Disconnect the scale from the power supply before cleaning.
- Wipe the scale surfaces with a damp cloth and a mild detergent.
- Do not use abrasive cleaners, solvents, or harsh chemicals.
- Ensure no liquid enters the scale's internal components.
- Dry the scale thoroughly after cleaning.

6.2 Calibration

Regular calibration ensures the accuracy of your scale. Refer to the full technical manual or contact Ohaus customer support for detailed calibration procedures. Calibration typically requires certified weights.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Scale does not turn on.	No power supply; faulty power adapter.	Check power connection and outlet. Ensure power adapter is functioning correctly.

Problem	Possible Cause	Solution
Inaccurate readings.	Scale not level; unstable surface; overload; calibration required.	Ensure scale is level and on a stable surface. Do not exceed capacity. Perform calibration if necessary.
Display shows "Err" or error code.	Overload; internal malfunction.	Remove weight from platform. If error persists, power cycle the scale. If still present, contact customer support.
Auto shut-off too soon/not at all.	Auto shut-off settings.	Refer to the full technical manual for adjusting auto shut-off settings, if available.

8. SPECIFICATIONS

Feature	Detail
Model	ES50R
Brand	Ohaus
Capacity	50 kg / 110 lb
Readability	20 g / 0.05 lb
Display Type	LCD (Large Display)
Special Features	Auto Shut Off, Manual Shutdown
Form Factor	Bench Scale
Power Supply	120 V AC (via adapter)
Product Dimensions	15 x 13 x 5.5 inches
Item Weight	9.64 pounds
Manufacturer	COLE-PARMER

9. WARRANTY

The Ohaus ES50R ES Industrial Bench Scale comes with a **1-year warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage resulting from misuse, accident, unauthorized modification, or operation outside the specified environmental and electrical limits. For warranty claims, please retain your proof of purchase and contact Ohaus customer support.

10. CUSTOMER SUPPORT

For technical assistance, service, or to inquire about replacement parts, please contact Ohaus customer support. Visit the official Ohaus website for the most up-to-date contact information and additional resources.
Note: Always provide your product model number (ES50R) and serial number (if applicable) when contacting support.