

## Ohaus D52P50RQL5

# Ohaus Defender 5000 Low Profile Scale D52P50RQL5 Instruction Manual

Model: D52P50RQL5

## 1. INTRODUCTION

---

The Ohaus Defender 5000 Series multifunctional bench scale is engineered for demanding industrial and commercial applications, including production, packaging, inventory management, and shipping. This scale is designed to simplify complex tasks with its robust construction and advanced features.

Key features of the D52P50RQL5 model include:

- **Weighing Units:** Supports lb, oz, lb/oz, kg, g, metric tonnes, short ton, and custom units.
- **Display:** Dot matrix LCD with white LED backlight for clear visibility.
- **Base Size:** 18 inches x 18 inches.
- **Mounting:** Stainless steel front mount bracket with handle for the indicator.
- **Construction:** Features a removable stainless steel weighing platform, a powder-coated steel base, and an aluminum load cell with silicon sealing.



This image shows the Ohaus Defender 5000 Low Profile Scale. It features a large, square stainless steel weighing platform and a separate digital indicator unit with a dot matrix LCD display, connected by a cable. The indicator unit is mounted on a bracket, positioned next to the platform. The Ohaus brand name is visible on the front of the platform, and 'Defender' is on the indicator unit.

## 2. SETUP

---

Follow these steps to set up your Ohaus Defender 5000 scale:

1. **Unpacking:** Carefully remove all components from the packaging. Verify that all parts are present: weighing platform, base, indicator unit, power adapter, and mounting bracket.
2. **Placement:** Place the scale base on a stable, level surface free from vibrations, drafts, and extreme temperature changes. Ensure adequate space around the scale for operation and maintenance.
3. **Platform Assembly:** Gently place the stainless steel weighing platform onto the base. Ensure it sits securely and does not wobble.
4. **Indicator Mounting:** Attach the indicator unit to the stainless steel front mount bracket. Position the bracket as desired for optimal viewing and operation. Connect the indicator cable to the appropriate port on the base.
5. **Power Connection:** Connect the power adapter to the indicator unit and then plug it into a suitable power

outlet.

6. **Leveling:** Use the adjustable feet on the base to level the scale. Check the bubble level (if present) to ensure precise leveling.

## 3. OPERATION

---

This section outlines basic operating procedures for the Defender 5000 scale.

### 3.1 Powering On/Off

- To power on, press the **[ON/OFF]** button on the indicator.
- To power off, press and hold the **[ON/OFF]** button until the display turns off.

### 3.2 Basic Weighing

1. Ensure the scale is powered on and displays '0.00' (or similar zero reading). If not, press the **[ZERO]** button.
2. Carefully place the item to be weighed onto the center of the weighing platform.
3. Wait for the display to stabilize. The stable weight will be shown on the LCD.
4. Remove the item from the platform.

### 3.3 Taring (Removing Container Weight)

1. Place an empty container onto the weighing platform.
2. Press the **[TARE]** button. The display will return to '0.00', indicating the container's weight has been tared out.
3. Place 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 and its contents, then press **[TARE]** again.

### 3.4 Unit Selection

To change the weighing unit (e.g., from pounds to kilograms), press the **[UNIT]** button. Each press will cycle through the available units (lb, oz, kg, g, etc.).

## 4. MAINTENANCE

---

Proper maintenance ensures the longevity and accuracy of your Ohaus Defender 5000 scale.

### 4.1 Cleaning

- Always disconnect the scale from the power supply before cleaning.
- Use a soft, damp cloth with a mild detergent to clean the stainless steel platform and powder-coated base.
- Avoid using abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish and components.
- Do not spray liquids directly onto the indicator unit or base.
- Ensure all parts are dry before reconnecting power.

### 4.2 Calibration

Regular calibration is essential for maintaining weighing accuracy. Refer to the detailed calibration procedures in the full technical manual or contact Ohaus customer support for assistance. Calibration typically requires certified test weights.

## 5. TROUBLESHOOTING

This section provides solutions to common issues you might encounter.

Problem	Possible Cause	Solution
Scale does not power on	No power supply; faulty power adapter; loose connection	Check power cable connection; ensure outlet is functional; try a different power adapter if available.
Inaccurate readings	Scale not level; drafts or vibrations; calibration required; damaged load cell	Ensure scale is level; move scale to a stable environment; perform calibration; contact service if issue persists.
Display shows 'OVERLOAD'	Weight exceeds maximum capacity	Remove excess weight immediately to prevent damage.
Display shows 'UNSTABLE'	Vibrations; unstable load; internal issue	Ensure stable environment; place load centrally and steadily; contact service if persistent.

If you encounter problems not listed here or if the suggested solutions do not resolve the issue, please contact Ohaus customer support.

## 6. SPECIFICATIONS

Detailed technical specifications for the Ohaus Defender 5000 Low Profile Scale D52P50RQL5:

- **Model:** D52P50RQL5
- **Manufacturer:** Ohaus
- **Product Dimensions:** 40 x 27 x 10 inches
- **Product Weight:** 38 Pounds
- **Weighing Units:** lb, oz, lb/oz, kg, g, metric tonnes, short ton, custom unit
- **Display:** Dot matrix LCD with white LED backlight
- **Base Size:** 18" x 18"
- **Mount:** Stainless Steel front mount bracket with handle
- **Construction:** Stainless Steel Removable Weighing Platform, Powder-coated Steel Base, Aluminum Loadcell Silicon Sealed

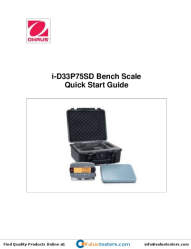
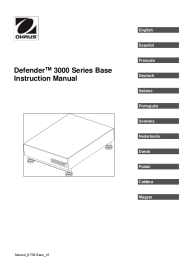


## 7. WARRANTY AND SUPPORT

For information regarding the warranty period and terms for your Ohaus Defender 5000 scale, please refer to the warranty card included with your product or visit the official Ohaus website. Warranty details can vary by region and product.

For technical support, service, or to inquire about replacement parts, please contact Ohaus customer service directly. You can typically find contact information on the Ohaus website or in the product documentation.

**Ohaus Official Website:** [www.ohaus.com](http://www.ohaus.com)

Related Documents - D52P50RQL5

	<p><a href="#">OHAUS i-D33P75SD Bench Scale Quick Start Guide</a></p> <p>Quick start guide for the OHAUS i-D33P75SD Bench Scale, covering installation, operation, safety precautions, calibration, maintenance, and technical specifications.</p>
	<p><a href="#">OHAUS Defender 3000 Series Base: Installation and Maintenance Manual</a></p> <p>This comprehensive manual provides detailed instructions for the installation, operation, maintenance, and troubleshooting of the OHAUS Defender™ 3000 Series Base. It includes technical specifications, safety precautions, and compliance information for various models.</p>
	<p><a href="#">OHAUS Courier 3000 Instruction Manual</a></p> <p>Comprehensive instruction manual for the OHAUS Courier 3000 weighing scale, covering installation, operation, maintenance, technical specifications, and troubleshooting.</p>
	<p><a href="#">OHAUS DEFENDER 2500 Series Drum Scale Instruction Manual</a></p> <p>Comprehensive instruction manual for the OHAUS DEFENDER 2500 Series Drum Scale, covering installation, operation, safety precautions, maintenance, technical data, and warranty information.</p>
	<p><a href="#">OHAUS Courier 5000 Instruction Manual</a></p> <p>Comprehensive instruction manual for the OHAUS Courier 5000 scale, covering installation, operation, maintenance, and technical specifications. Learn how to set up, use, and care for your OHAUS Courier 5000.</p>
	<p><a href="#">OHAUS Defender 2500 Indicator Instruction Manual</a></p> <p>This instruction manual provides comprehensive guidance on the installation, operation, and maintenance of the OHAUS Defender 2500 Indicator. It covers safety precautions, setup procedures, control functions, menu settings, legal for trade information, communication options, maintenance, technical data, and compliance.</p>