

## Ohaus ST10C-A

# Ohaus ST10C-A Pen Meter Instruction Manual

Model: ST10C-A

## 1. INTRODUCTION

The Ohaus ST10C-A Pen Meter is designed for simple, fast, and accurate measurement. This economical device offers reliable performance for various applications. Its durable construction and user-friendly features make it suitable for consistent use in diverse environments.

## 2. PRODUCT OVERVIEW

The ST10C-A Pen Meter is a compact, handheld device. Key features include a clear digital display, an intuitive on/off button, a protective sensor cap, and a wrist strap for secure handling.



**Figure 1:** Ohaus ST10C-A Pen Meter. This image shows the Ohaus ST10C-A Pen Meter. It features a digital display for pH readings, an 'On/Off' button, and a durable, waterproof design with red accents.

The meter's IP67 waterproof ABS housing ensures protection against dust and water ingress, making it suitable for wet conditions. An automatic shutdown feature helps conserve battery life.

### 3. SETUP

1. **Unpacking:** Carefully remove the meter and all accessories from the packaging. Inspect for any damage.
2. **Battery Installation:** The meter typically comes with batteries pre-installed or requires simple installation. Refer to the battery compartment cover for instructions on opening and inserting batteries, ensuring correct polarity.
3. **Sensor Preparation:** Remove the protective sensor cap. If the sensor appears dry, condition it according to standard pH electrode practices (e.g., soaking in storage solution or pH 7 buffer for a short period).
4. **Initial Calibration:** For optimal accuracy, perform an initial calibration using fresh pH buffer solutions (e.g., pH 4.01, 7.00, and 10.01). Follow the calibration procedure outlined in the meter's specific quick start guide or on-screen prompts.

## 4. OPERATING INSTRUCTIONS

- Power On/Off:** Press the **On/Off** button located on the front of the meter to turn the device on or off.
- Taking a Measurement:**
  - Ensure the sensor cap is removed.
  - Rinse the sensor with distilled water before and after each measurement.
  - Immerse the sensor into the sample solution, ensuring the sensor tip is fully submerged.
  - Gently stir the solution to ensure homogeneity and allow the reading to stabilize.
  - Read the pH value displayed on the screen once it becomes stable.
- Automatic Shutdown:** The meter is equipped with an automatic shutdown feature to conserve battery life. It will power off after a period of inactivity.

## 5. MAINTENANCE

- **Cleaning the Sensor:** After each use, rinse the sensor thoroughly with distilled or deionized water. Do not wipe the sensor bulb, as this can cause static charges and damage the sensitive glass.
- **Storage:** Always replace the protective sensor cap after use. Ensure the cap contains a small amount of storage solution (or pH 7 buffer) to keep the sensor hydrated. Never store the sensor dry or in distilled water.
- **Battery Replacement:** When the battery indicator appears on the display, replace the batteries promptly. Refer to the battery compartment for the correct battery type and installation procedure.
- **General Cleaning:** The meter's housing can be cleaned with a damp cloth. Avoid using harsh chemicals or abrasive cleaners.

## 6. TROUBLESHOOTING

Problem	Possible Cause	Solution
Meter does not turn on.	Dead or incorrectly installed batteries.	Replace batteries, ensuring correct polarity.
Inaccurate or unstable readings.	<ul style="list-style-type: none"><li>• Sensor is dirty or dry.</li><li>• Calibration is required or incorrect.</li><li>• Temperature difference between sample and buffer.</li></ul>	<ul style="list-style-type: none"><li>• Clean and rehydrate sensor.</li><li>• Perform a fresh calibration with new buffer solutions.</li><li>• Allow samples and buffers to reach the same temperature.</li></ul>
Slow response time.	Sensor is old or contaminated.	Clean the sensor. If problem persists, consider replacing the sensor.

## 7. SPECIFICATIONS

- **Model:** ST10C-A
- **Brand:** Ohaus
- **Housing:** IP67 waterproof ABS
- **Features:** Protective sensor cap, automatic shutdown, wrist strap

- **Dimensions:** Approximately 15 x 10 x 4 inches (Product dimensions as listed, note this might be packaging size)
- **Weight:** Approximately 2 Pounds (Product weight as listed, might be shipping weight)

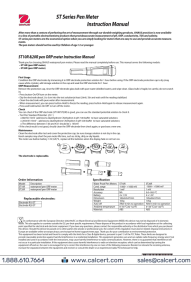
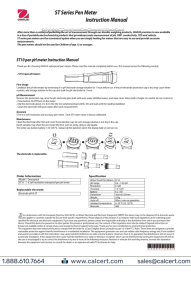
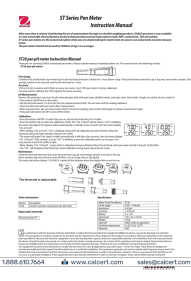
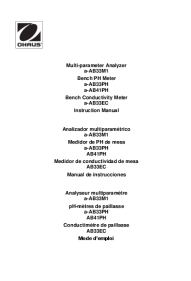
*Note: Specific measurement ranges, accuracy, and resolution details should be confirmed with the official Ohaus product data sheet.*






## 8. WARRANTY AND SUPPORT

For detailed warranty information, technical support, or service inquiries, please refer to the official Ohaus website or contact your local Ohaus representative. Keep your purchase receipt for warranty claims.

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

## Related Documents - ST10C-A

	<p><a href="#">OHAUS ST10R &amp; ST20R Pen ORP Meter Instruction Manual</a></p> <p>Comprehensive instruction manual for OHAUS ST10R and ST20R waterproof pen ORP meters, detailing setup, operation, maintenance, specifications, and compliance information.</p>
	<p><a href="#">OHAUS ST Series Pen Meter Instruction Manual - ST10 pH Meter Guide</a></p> <p>Comprehensive instruction manual for the OHAUS ST Series Pen Meter, model ST10. Learn about pH measurement, accuracy, maintenance, and specifications for this waterproof pen pH meter.</p>
	<p><a href="#">OHAUS ST Series Pen Meter Instruction Manual</a></p> <p>Instruction manual for the OHAUS ST Series Pen Meter, specifically the ST20 waterproof pen pH meter. Covers first usage, calibration, maintenance, and specifications.</p>
	<p><a href="#">OHAUS a-AB33M1 Multi-parameter Analyzer &amp; Bench Meters: Installation &amp; Operation Manual</a></p> <p>Comprehensive instruction manual for OHAUS a-AB33M1 Multi-parameter Analyzer, a-AB33PH pH Meter, a-AB41PH pH Meter, and a-AB33EC Conductivity Meter. Covers installation, operation, maintenance, safety, and technical specifications for laboratory use.</p>

<div data-bbox="124 91 280 107"><small>Test Resources Dept. 800.571.8421 • 5 Commerce Ave. NH 03063 testresources@ohaus.com</small></div> <div data-bbox="134 109 165 136"></div> <div data-bbox="165 150 264 208"><p>Portable Photometer a-AP50MM Instruction Manual</p></div> <div data-bbox="261 271 312 324"></div>	<div data-bbox="341 154 1177 185"><a href="#">OHAUS AquaSearcher AP50MM Portable Photometer Instruction Manual</a></div> <div data-bbox="341 197 1452 306"><p>Comprehensive instruction manual for the OHAUS AquaSearcher AP50MM Portable Photometer, detailing installation, operation, and maintenance for colorimetric and turbidity measurements in field and laboratory applications.</p></div>
<div data-bbox="134 430 165 468"></div> <div data-bbox="229 430 296 468"></div> <div data-bbox="150 486 272 510"><p>ST400 Portable pH Meter and ST400M Portable Multi Parameter Meter Instruction Manual</p></div> <div data-bbox="159 524 276 595"></div>	<div data-bbox="341 454 1318 486"><a href="#">OHAUS ST400 &amp; ST400M Portable pH and Multi-Parameter Meter Instruction Manual</a></div> <div data-bbox="341 495 1477 642"><p>This instruction manual provides detailed guidance for operating and maintaining the OHAUS ST400 portable pH meter and ST400M portable multi-parameter meter. Learn about installation, setup, measurement procedures, calibration, maintenance, and technical specifications for accurate and reliable results.</p></div>