

## Welch Allyn HPX Otoscope

# Welch Allyn 3.5V Professional HPX Otoscope User Manual

Model: HPX Otoscope (Non-Rechargeable)

## 1. INTRODUCTION

Thank you for choosing the Welch Allyn 3.5V Professional HPX Otoscope. This instrument is designed for professional medical use to examine the ear canal and tympanic membrane. This manual provides essential information for the safe and effective use, maintenance, and troubleshooting of your otoscope. Please read this manual thoroughly before operating the device and retain it for future reference.

## 2. SAFETY INFORMATION

Always observe the following safety precautions to ensure patient and user safety and to prevent damage to the instrument:

- Use this device only for its intended purpose as an otoscope for ear examination.
- Do not immerse the instrument in liquids.
- Ensure the correct battery type and orientation are used.
- Keep the instrument clean and free from dust and debris.
- Do not attempt to service the instrument yourself. Refer all servicing to qualified personnel.
- Store the device in its protective hard case when not in use.

## 3. PACKAGE CONTENTS

Verify that all items are present in your package:

- Welch Allyn 3.5V Professional HPX Otoscope Head
- Welch Allyn 3.5V Otoscope Handle (Non-Rechargeable)
- Hard Storage Case
- User Manual (this document)
- Disposable Specula (various sizes, quantity may vary)



**Figure 1:** Components of the Welch Allyn 3.5V Professional HPX Otoscope, including the otoscope head, the non-rechargeable handle, and the protective hard case.

## 4. SETUP

### 4.1. Installing Batteries

The 3.5V non-rechargeable handle requires two C-cell alkaline batteries (not included).

1. Unscrew the bottom cap of the handle.
2. Insert two C-cell batteries, ensuring correct polarity (+/-) as indicated inside the handle.
3. Screw the bottom cap back on securely.

### 4.2. Attaching the Otoscope Head

1. Align the otoscope head with the top of the handle.
2. Gently push the head onto the handle and twist clockwise until it clicks into place and is securely fastened.

### 4.3. Attaching a Speculum

1. Select an appropriate size disposable speculum.

2. Push the speculum onto the tip of the otoscope head until it is firmly seated.
3. Always use a new, clean speculum for each patient to prevent cross-contamination.

## 5. OPERATING INSTRUCTIONS

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### 5.1. Powering On/Off

To turn the otoscope on, rotate the rheostat control on the handle clockwise. Continue rotating to increase light intensity. To turn off, rotate the control counter-clockwise until it clicks off.

### 5.2. Focusing

The otoscope features a focusing wheel. Rotate the focusing wheel on the otoscope head to achieve a clear view of the ear canal and tympanic membrane.

### 5.3. Using the Insufflation Port

The otoscope head includes an insufflation port for pneumatic otoscopy. Attach a rubber bulb (not included) to this port to assess tympanic membrane mobility.

## 6. MAINTENANCE AND CARE

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### 6.1. Cleaning

- **Otoscope Head and Handle:** Wipe the exterior surfaces with a soft cloth dampened with a mild detergent solution or an approved medical-grade disinfectant. Do not use abrasive cleaners or immerse in liquids.
- **Specula:** Always use disposable specula. Discard after each use.
- **Optics:** Gently clean the lens with a lens cleaning solution and a soft, lint-free cloth.

### 6.2. Storage

When not in use, store the otoscope in its hard protective case in a clean, dry environment, away from extreme temperatures and direct sunlight. Remove batteries if the device will not be used for an extended period.



**Figure 2:** The Welch Allyn HPX Otoscope components neatly organized within the hard storage case, demonstrating proper storage.

## 7. TROUBLESHOOTING

Problem	Possible Cause	Solution
No light or dim light	Batteries are low or dead. Batteries inserted incorrectly. Bulb is faulty.	Replace batteries. Check battery polarity. Contact Welch Allyn customer support for bulb replacement.
Difficulty focusing	Lens is dirty. Focusing mechanism obstructed.	Clean the lens as per Section 6.1. Ensure no debris is obstructing the focusing wheel.
Head not securely attached	Head not twisted fully into place.	Re-attach the head, ensuring it clicks securely (Section 4.2).

## 8. SPECIFICATIONS

- **Model:** HPX Otoscope
- **Power Source:** 3.5V (2 x C-cell batteries, non-rechargeable handle)
- **Illumination:** Halogen HPX lamp
- **Product Dimensions:** 8.66 x 5.91 x 2.36 inches (approximate, for packaged item)
- **Weight:** 1.3 Pounds (approximate, for packaged item)

- **Manufacturer:** Welch Allyn

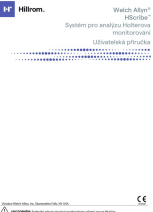




## 9. WARRANTY AND SUPPORT

Welch Allyn products are manufactured to high-quality standards. For specific warranty information, please refer to the warranty card included with your product or visit the official Welch Allyn website. For technical support, service, or to order replacement parts, please contact Welch Allyn customer service through their official channels.

**Website:** [www.welchallyn.com](http://www.welchallyn.com)

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### Related Documents - HPX Otoscope

	<p><a href="#">Welch Allyn HSCRIBE: Uživatelská příručka pro analýzu Holterova monitorování</a></p> <p>Tato uživatelská příručka poskytuje podrobné informace o systému Welch Allyn HSCRIBE pro analýzu Holterova monitorování, včetně instalace, provozu, údržby a řešení problémů.</p>
	<p><a href="#">Welch Allyn Connex Spot Monitor Upute za uporabu</a></p> <p>Ovaj dokument pruža detaljne upute za uporabu Welch Allyn Connex Spot Monitor uređaja, uključujući postavljanje, rad, upravljanje podacima o pacijentu, alarme i rješavanje problema.</p>
	<p><a href="#">Welch Allyn Green Series Exam Light IV - Instructions for Use</a></p> <p>Discover the Welch Allyn Green Series Exam Light IV. This comprehensive manual details its use, safety precautions, and technical specifications for optimal performance in medical examinations and procedures. Essential for healthcare professionals.</p>
	<p><a href="#">Braun ThermoScan PRO 6000 Ear Thermometer: Technology and Success   Welch Allyn</a></p> <p>Discover the advanced technology behind the Braun ThermoScan PRO 6000 clinical ear thermometer from Welch Allyn. Learn about its accuracy, PerfectTemp, ExacTemp, and pre-warmed tip features for precise temperature measurement.</p>
	<p><a href="#">Welch Allyn Rechargeable Laryngoscope Handles: Directions for Use</a></p> <p>This document provides comprehensive directions for use, reprocessing, maintenance, battery charging, lamp replacement, recycling, and specifications for Welch Allyn rechargeable laryngoscope handles, including fiber optic (models 60713, 60835) and standard (models 60710, 60720) types.</p>

CP 150 12-lead resting  
electrocardiograph



Directions for use  
Reference no. 100-1-1-010

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### [Welch Allyn CP 150 12-Lead Resting Electrocardiograph: Directions for Use](#)

This manual provides comprehensive instructions for the Welch Allyn CP 150 12-lead resting electrocardiograph, covering setup, operation, maintenance, troubleshooting, and compliance information for healthcare professionals.