



Hillrom™

Welch Allyn® PocketScopes

Instructions for use

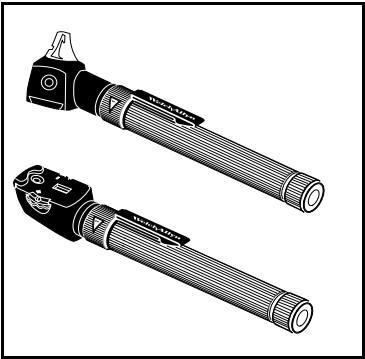
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773426 DIR 80027577 Rev. A Revision date: 2021-02

901080 Otoscope, Pocket
901082 Ophthalmoscope, Pocket

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REF 228XX Pocket Otoscope
128XX Pocket Ophthalmoscope

Welch Allyn PocketScopes
PocketScopes Welch Allyn
Welch Allyn PocketScope
Welch Allyn PocketScope -laitteet
Welch Allyn PocketScope eszközök
Welch Allyn PocketScope'lar

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ENGLISH

Instructions for use

Intended use

Welch Allyn PocketScopes are hand-held, battery-powered devices that are intended to be used by trained clinicians during a patient health assessment to inspect a patient's ear, eyes, nose and throat under illumination and magnification. The Welch Allyn PocketScope Diagnostic Set is intended for use by clinicians and medically qualified personnel for pediatric and adult patients of any gender in both ambulatory and acute care settings. The Welch Allyn Pocket Otoscope and associated accessories are intended to be used for transmitting light into the ear canal to assess the health of the ear and support diagnoses of conditions of the ear. The Welch Allyn Pocket Ophthalmoscope is intended for viewing the fundus, supporting the diagnosis of ocular structure conditions, and viewing ocular abnormalities that may be indicative of conditions elsewhere in the body. The device also is intended for illuminating the cornea and iris to detect foreign bodies in the cornea and irregularities of the pupil.

Symbol descriptions

For information on the origin of these symbols, see the Welch Allyn symbols glossary: welchallyn.com/symbolsglossary



Reorder number



Medical device



Humidity limitation



Manufacturer



Global Trade Item Number



Prescription only or "For Use by or on the order of a licensed medical professional"



Authorized Representative in the European Community



NOTE Presents clarification about an instruction or helpful information about a feature or behavior.



WARNING The warning statements in this manual identify conditions or practices that could lead to illness, injury, or death. Warning symbols will appear with a grey background in a black and white document.



CAUTION The caution statements in this manual identify conditions or practices that could result in damage to the equipment or other property, or loss of data.



Product Identifier



Lot code



Atmospheric pressure limitation



Rechargeable battery



Consult Instructions for use



Temperature limit



Separate collection of Electrical and Electronic Equipment. Do not dispose as unsorted municipal waste.

Warnings and Cautions



WARNING Patient injury risk. No modification of this equipment is allowed. Modifying this device can affect patient and operator safety and can compromise product performance and accuracy, and void the product warranty.



WARNING Patient injury risk. Use only Welch Allyn approved accessories according to the manufacturer's directions for use. Using unapproved accessories with the device can affect patient and operator safety and can compromise product performance and accuracy, and void the product warranty.



WARNING Patient injury risk. The cleaning procedures and materials described must be conducted by persons trained and familiar with medical device cleaning.



CAUTION Failure to follow these instructions may cause damage to the device.



CAUTION Device damage risk. Do not sterilize the device.



CAUTION Device damage risk. Only authorized Hillrom Service Centers should perform service.

Residual risk

This product complies with relevant electro-magnetic interference, mechanical safety, performance, and biocompatibility standards. However, the product cannot completely eliminate potential patient or user harm from the following:

- Harm or device damage associated with electro-magnetic hazards,
- Harm from mechanical hazards,
- Harm from device, function, or parameter unavailability,
- Harm from misuse error, such as inadequate cleaning, and/or
- Harm from device exposure to biological triggers that may result in a severe systemic allergic reaction.

PocketScope Otoscope

Throat Illuminator (21111 only)

1. Throat Illuminator – To convert otoscope to throat illuminator, unscrew otoscope head in counterclockwise direction.



NOTE Illuminator section can become hot. Avoid more than momentary direct skin contact.
2. On/Off Rheostat Switch – To turn instruments on and off, and vary intensity, rotate switch at base of instrument head. As intensity increases, green band gets thicker.

PocketScope Ophthalmoscope

Ophthalmoscope features

1. Rubber brow rest.
2. Lens selection dial – When used with multiplier lever, allows single diopter steps through 48 lens combinations (from +22 to –25 diopters).
3. Diopter display window – Displays direct reading of diopter values (positive values displayed in green; negative values displayed in red).
4. Aperture selection dial – Continuous rotation allows access to microspot, small, large, fixation, slit, and cobalt blue.
5. Two-position filter switch – Engage either open or red-free filter.
6. Lens multiplier – Allows fast movement through the range via 16 diopter shifts. When used with lens selection dial, allows single diopter steps through 48 lens combinations.

Lens instructions

To move through the range on the plus (+) side:

1. Rotate the lens selection dial in positive (clockwise) direction.
2. At +6 diopters move lens dial clockwise again.
3. Move multiplier lever to "+" position.
4. Continue moving lens dial in same clockwise direction to access +7 thru +22 diopters.

To move through the range on the negative (–) side:

1. Rotate lens selection dial in negative (counterclockwise) direction.
2. At –9 diopters move lens dial counterclockwise again.
3. Move multiplier lever to "–" position.
4. Continue moving lens dial in same counterclockwise direction to access –10 to –25 diopters.

Lamp replacement

Otoscope lamp replacement (21111 only)

1. Remove (unscrew) otoscope head.
2. Unscrew lamp holder in counterclockwise direction and remove from handle.
3. Grasp end of lamp and pull out of holder.
4. Insert new lamp by reversing above process.



NOTE If lamp surface is touched or becomes smudged, wipe clean with a soft cloth. This will assure longer lamp life and higher output.

Ophthalmoscope lamp replacement

1. Unscrew ophthalmoscope head in counter- clockwise direction.
2. Grasp end of lamp and pull out (use nail file or similar object if necessary).
3. Insert replacement lamp by carefully aligning pin on lamp shaft with slot in ophthalmoscope head. Push lamp in until firmly seated.



NOTE If lamp surface is touched or becomes smudged, wipe clean with a soft cloth. This will assure longer lamp life and higher output.

PocketScope Handles

AA PocketScope Handles (72830)

This handle accepts any brand of AA batteries. Use alkaline batteries for best performance.

Convertible PocketScope Handles (72800)

This handle can be used with either AA batteries or with Welch Allyn's PocketScope rechargeable battery (72600) and Universal Desk Charger.

Recharging



NOTE Only use the Welch Allyn Universal Desk Charger with 71249 PocketScope adapter. Do not use the Universal Desk Charger when using AA batteries.

1. To ensure full charge and long lamp life, turn instrument(s) to "off" position.
2. Insert handle(s) into charger. Green indicator lights will illuminate when handles are charging properly.



NOTE AA batteries will not charge and will not cause indicator lights to illuminate.



NOTE Only Welch Allyn rechargeable battery 72600 is approved for use with these handles.

Changing batteries

1. Remove (unscrew) bottom cap.
2. Tap handles on palm of hand until battery slides out.
3. Insert new battery
 - Rechargeable: Insert in either direction.
 - AA cells: Use alkaline cells for best performance. Insert positive (+) end first for both cells.

Cleaning, disinfection, and maintenance

Ophthalmoscopes

Cleaning (and repair) should be performed at Welch Allyn. Do not apply alcohol to mirror or lenses as this may degrade optical quality.

Otoscope

Do not use abrasive cleaners, alcohol, or other chemicals. Lens may be cleaned with warm water and soap.

Handle

The PocketScope handle wipes clean with a damp cloth.

Desk/Wall Charger

Do not pour water or any cleaning solution into charging wells. Do not autoclave Desk/Wall Charger, instruments or handles. Routinely inspect the device for wear, fraying, and other damage. Do not use if you see signs of damage, if the instrument malfunctions, appears not to be working properly, or if you notice a change in performance. Contact Hillrom Technical Support for assistance.

Disposal

Users must adhere to all federal, state, regional, and/or local laws and regulations as they pertain to the safe disposal of medical devices and accessories. If in doubt, the user of the device should first contact Hillrom Technical Support for guidance on safe disposal protocols.

PATENT/PATENTS

hillrom.com/patents
May be covered by one or more patents. See above Internet address. The Hill-Rom companies are the proprietors of European, US, and other patents and pending patent applications.

Hillrom Technical Support

For information about any Hillrom product, contact Hillrom Technical Support at hillrom.com/en-us/about-us/locations.

Notice to users and/or patients in the EU

Any serious incident that has occurred in relation to the device, should be reported to the manufacturer and the competent authority of the Member State in which the user and/or patient is established.

Environmental specifications

Temperature limits

- Operating: 50°F (10°C) to 120°F (49°C)
- Storage/Transport: -4°F (-20°C) to 122°F (50°C)

Humidity limitations

- Operating: 30% to 90%
- Storage/Transport: 15% to 95%, non-condensing

Atmospheric pressure limitation

- Operating and Storage/Transport: 500 hPa to 1060 hPa

Standards and compliance

The device complies with the following standards:
IEC 60601-1
IEC 60601-1-2
Country-specific standards are included in the applicable Declaration of Conformity.

Lot code

For lot code YY-JJJ, Y=Year, and JJJ=Consecutive day of the Julian year.

Accessories

- 3900 Ophthalmoscope Lamp
- 3400 Otoscope Lamp
- 13000 Ophthalmoscope without handle
- 21111 Otoscope/Throat Illuminator without handle
- 21130 Otoscope without handle
- 211024-501 Lamp and shroud assembly
- 211005 Otoscope Lens
- 21504 Insufflator
- 72800 PocketScope Convertible Handle with 72600 Rechargeable Battery
- 72801 PocketScope Convertible Handle (without battery)
- 72830 PocketScope AA Handle with Alkaline Batteries
- 72831 PocketScope AA Handle (without batteries)
- 72600 Replacement nickel cadmium 2.5v rechargeable battery
- 24400 Set of 4 reusable polypropylene specula (2, 3, 4, 5mm)
- 24420 Set of 3 reusable SoftSpec Specula (3, 5, 7 mm)
- 52432 Disposable specula - box of 1000 - 2.5mm pediatric size
- 52434 Disposable specula - box of 1000 - 4mm regular size
- 71249 PocketScope Adapter Sleeve for Universal Desk Charger
- 52432-CLR-1 2.75mm LumiView Clear Ear Specula
- 52434-CLR-1 4.25mm LumiView Clear Ear Specula

Guidance and manufacturer's declaration

For information about electromagnetic compatibility (EMC), see the Hillrom website: welchallyn.com/en/service-support/emc.html. A printed copy of EMC Emissions and immunity information can be ordered from Hillrom for delivery within 7 calendar days.

Warranty

Welch Allyn warrants that these pocketscopes will be free of defects in workmanship or material for one year from the date of purchase (excludes lamps and batteries). Welch Allyn will correct any of these defects at its expense by repairing or replacing the product. This warranty does not cover damage caused by accident, repairs performed by a provider

who is not authorized by Welch Allyn, or failure to follow Welch Allyn's maintenance instructions. THIS LIMITED WARRANTY IS PROVIDED INSTEAD OF ANY OTHER IMPLIED PRODUCT QUALITY WARRANTIES AND IT IS THE SOLE WARRANTY OF THE PRODUCTS. Welch Allyn reserves the right to make changes without notice in design, specifications and models. The only warranty Welch Allyn makes is the express written warranty extended on the sale or rental of its products.

DEUTSCH

Gebrauchsanweisung

Verwendungszweck

Welch Allyn PocketScopes sind tragbare, akkubetriebene Medizinprodukte, die von ausgebildetem Klinikpersonal im Rahmen einer Gesundheitsbeurteilung des Patienten verwendet werden. Mit ihnen lassen sich Ohren, Augen, Nase und Hals des Patienten unter Beleuchtung und Vergrößerung untersuchen. Das Welch Allyn PocketScope Diagnostic Set ist zur Verwendung durch Ärzte und medizinisch qualifiziertes Personal bei Kindern und Erwachsenen unabhängig von Geschlecht in der ambulanten und Akutversorgung vorgesehen: Das Welch Allyn Pocket Oscope und die zugehörigen Zubehörteile sind zur Übertragung von Licht in den Ohrkanal vorgesehen, um den Gesundheitszustand des Ohrs zu beurteilen sowie Diagnosen des Ohrzustands zu unterstützen. Das Welch Allyn Pocket Ophthalmoscope ist vorgesehen zum Betrachten des Augenhintergrunds, zur Unterstützung der Diagnose des Augenzustands und zum Erkennen von Augenschäden, die Anhaltspunkte für die Verfassung anderer Körperregionen geben können. Das Medizinprodukt ist ferner zur Beleuchtung der Augenhornhaut und der Iris vorgesehen, um Fremdkörper in der Augenhornhaut und Unregelmäßigkeiten der Pupille zu erkennen.

Symbolbeschreibungen

Informationen zum Ursprung dieser Symbole finden Sie im Symbolglossar von Welch Allyn unter welchallyn.com/symbolsglossary



Nachbestellnummer



Medizinprodukt



Zulässige Luftfeuchtigkeit



Hersteller



GTIN (Global Trade ItemNumber)



Nur Verschreibung oder "Für die Verwendung durch oder im Auftrag einer lizenzierten medizinischen Fachkraft".



Autorisierter Händler in der Europäischen Gemeinschaft



HINWEIS Erläutert eine Anweisung oder bietet hilfreiche Informationen zu einer Funktion oder einem Verhalten.



WARNING Die Warnhinweise in diesem Handbuch bezeichnen Umstände oder Vorgehensweisen, die zu Erkrankungen, Verletzungen oder zum Tode führen können. Warnhinweise werden in Schwarz-Weiß-Dokumenten auf grauem Hintergrund wiedergegeben



ACHTUNG Die so bezeichneten Hinweise in diesem Handbuch bezeichnen Umstände oder Vorgehensweisen, die zu einer Beschädigung des Geräts, anderen Sachschäden oder zum Verlust von Daten führen können.



Produkt-ID



Chargen-Code



Zulässiger Luftdruck



Aufladbarer Akku



Gebrauchsanweisung beachten



Zulässige Temperatur



Separate Sammlung von Elektro- und Elektronikaltgeräten. Nicht als unsortierten Hausmüll entsorgen.



WARNUNG Verletzungsgefahr für Patienten. Es dürfen nur von Welch Allyn zugelassene Zubehörteile entsprechend den Anweisungen des Herstellers verwendet werden. Die Verwendung nicht zugelassener Zubehörteile zusammen mit dem Medizinprodukt kann die Sicherheit von Patienten und Bediener beeinträchtigen, die Leistung und Genauigkeit des Produkts negativ beeinflussen sowie zum Erlöschen der Produktgarantie führen.



WARNUNG Verletzungsgefahr für Patienten. Die beschriebenen Reinigungsverfahren und -materialien müssen von Personen eingesetzt bzw. angewandt werden, die im Reinigen und Desinfizieren von Medizinprodukten geschult und erfahren sind.



ACHTUNG Das Nichtbeachten dieser Anweisungen kann zu Schäden am Produkt führen.



ACHTUNG Gefahr von Schäden am Medizinprodukt. Das Medizinprodukt nicht sterilisieren.



ACHTUNG Gefahr von Schäden am Medizinprodukt. Servicearbeiten sollten nur von autorisierten Servicezentren von Hillrom durchgeführt werden.

Restrisiko

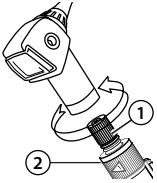
Dieses Produkt erfüllt die relevanten Normen im Hinblick auf elektromagnetische Interferenzen, mechanische Sicherheit, Leistung und Biokompatibilität. Folgende potenzielle Verletzungen des Patienten oder Anwenders können jedoch nicht vollständig ausgeschlossen werden:

- Verletzungen oder Geräteschäden im Zusammenhang mit elektromagnetischen Gefahren
- Verletzungen durch mechanische Gefahren
- Verletzungen durch Nichtverfügbarkeit von Geräten, Funktionen oder Parametern
- Verletzungen durch falsche Bedienung, wie z. B. unzureichende Reinigung und/ oder
- Verletzungen durch Kontakt mit biologischen Auslösern, die zu einer schweren systemischen allergischen Reaktion führen können.

PocketScope Otoscope

Throat Illuminator (nur 21111)

1. Throat Illuminator – Um das Otoskop als Rachenleuchte zu nutzen, schrauben Sie den Kopf des Oskops gegen den Uhrzeigersinn ab.


2. Rheostat-Ein-/Ausschalter – Um die Instrumente ein- und auszuschalten und die Intensität zu ändern, drehen Sie den Schalter an der Unterseite des Instrumentenkopfs. Je stärker die Intensität, desto dicker das grüne Band.

PocketScope Ophthalmoscope

Merkmale/Funktionen des Ophthalmoskops

1. Gummi-Stirnauflage.
2. Objektivrädchen – Ermöglicht bei Verwendung mit Multiplikatorhebel Auswahl aus 48 Linsenkombinationen (von +22 bis –25 Dioptrien).
3. Dioptrienanzeige – Zeigt direkt Dioptrienwerte an (positive Werte in Grün; negative Werte in Rot).
4. Blendenrädchen – Greift per stufenloser Drehung auf Mikroskop-Blende, kleine Blende, große Blende, Fixierstern, Spaltblende und Kobaltblau-Filter zu.
5. Filterschalter mit zwei Positionen – Aktiviert öffnen oder rotfreien Filter
6. Linsenmultiplikator – Ermöglicht schnelle Bewegungen durch den Bereich über 16 Dioptrienwechsel. Bei Verwendung mit dem Objektivrädchen können einzelne Dioptrien durch 48 Linsenkombinationen geführt werden.

Anleitung für das Objektiv

So navigieren Sie durch den Bereich auf der Plusseite (+):

1. Das Objektivrädchen in positiver Richtung (im Uhrzeigersinn) drehen.
2. Bei +6 Dioptrien das Objektivrädchen wieder im Uhrzeigersinn drehen.
3. Den Multiplikatorhebel in die „+“-Stellung bringen.
4. Für die Dioptrien +7 bis +22 das Objektivrädchen weiter im Uhrzeigersinn drehen.

So navigieren Sie durch den Bereich auf der negativen (–) Seite:

1. Das Objektivrädchen in negative Richtung (gegen den Uhrzeigersinn) drehen.
2. Bei –9 Dioptrien das Objektivrädchen wieder gegen den Uhrzeigersinn drehen.
3. Den Multiplikatorhebel in die „–“-Stellung bringen.
4. Für die Dioptrien –10 bis –25 das Objektivrädchen weiter gegen den Uhrzeigersinn drehen.