



# OPHTHALMIC PRODUCTS

**WelchAllyn®**

Advancing Frontline Care™

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# A Tradition of Visionary Thinking

Since our inception in 1915, Welch Allyn has focused on developing instruments for busy clinicians to diagnose and treat their patients. This has allowed us to build a strong reputation as a leading manufacturer of medical diagnostic instruments. In fact, Welch Allyn has created innovations that have set the standards by which all others are compared. Here are just a few important milestones we've achieved.

- 1915 World's first hand-held, directly illuminated ophthalmoscope
- 1973 First use of halogen illumination in a medical instrument
- 1983 First coaxial optical system in a direct ophthalmoscope
- 1989 First 68-lens automatic diopter progression and display ophthalmoscope
- 1999 First lithium ion battery technology in hand-held ophthalmic instruments
- 2001 The PanOptic™ Ophthalmoscope, a revolutionary instrument that provides a 5X larger view of the fundus in an undilated pupil
- 2004 The Elite™ Retinoscope provides 2.8X the brightness compared to standard retinoscopes

The advances listed here not only represent significant advances in technology, but also are durable, easy-to-use products that will save you time on the front-lines of care. Our focus has always been on making better products to save you time, so you can focus on what's really important—your patients.

In this catalog you will find information on our line of ophthalmic diagnostic instruments. It includes information on product features and benefits as well as model numbers to make ordering easy. It even includes information on replacement lamps and batteries.

If you would like to place an order or have any questions on a product listed here, call 1-800-535-6663 to speak with a Welch Allyn Customer Service representative.

As always, your comments and suggestions are welcome.

Please write: Welch Allyn  
Ophthalmic Instruments Product Manager  
4341 State Street Road • P.O. Box 220  
Skaneateles Falls, New York 13153-0220  
  
Telephone: 1-800-535-6663  
Fax: 1-800-685-2174

Or visit us at [www.welchallyn.com](http://www.welchallyn.com)



## PanOptic™ Ophthalmoscope

Revolutionary new technology for a difference you can see. Developed and patented by Welch Allyn—creator of the world's first hand-held, direct illuminating ophthalmoscope—the new PanOptic Ophthalmoscope is a breakthrough concept in ophthalmoscopy. Thanks to an innovative, proprietary optical design known as Axial PointSource™ Optics, the PanOptic Ophthalmoscope will greatly enhance your fundoscopic exams.

### THE ADVANTAGES OF USING THE PANOPTIC OPHTHALMOSCOPE

- A 5X larger view of the fundus vs. standard ophthalmoscopes in an undilated eye
- Fast, easy entry into small, undilated pupils
- A staggering 25° field of view vs. the 5° field of view of standard ophthalmoscopes
- Greater working distance between practitioner and patient, improving comfort for all
- A 26% increase in magnification, making it easier to see retinal details

Works with all Welch Allyn 3.5v power handles and wall transformers.

#### PATIENT EYECUP:

The eyecup establishes and maintains proper viewing distance, provides image stability, serves as a pivoting point for panning around the retina, helps with orientation, and screens out ambient light. The eyecup can be cleaned and is reusable.

#### AXIAL POINTSOURCE OPTICS:

Easy entry into undilated pupils, resulting in a view of the fundus that's 5X larger than standard ophthalmoscopes in an undilated pupil.

#### PATENTED GLARE EXTINGUISHMENT SYSTEM:

Prevents interference from unwanted glare and reflections.

#### DYNAMIC FOCUSING WHEEL:

Continuous, smooth action for more precise control and optimum view (+20 to -20 diopter range).

PanOptic Ophthalmoscope  
with Lithium-Ion Power Handle

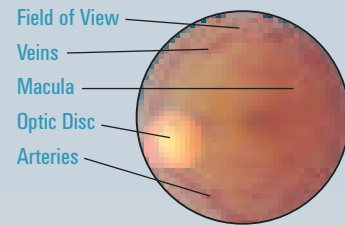
#### APERTURE DIAL:

Allows you to select micro, small, and large spot sizes. Also includes a slit aperture and both a cobalt blue and red-free filter.

## Axial PointSource™ Optics

What makes the PanOptic™ Ophthalmoscope so revolutionary? Quite simply, it's Welch Allyn's Axial PointSource Optics. By converging the illumination to a point at the cornea, Axial PointSource Optics allows easy entry into even the smallest pupils. It then enables the illumination pathway to diverge to the retina, creating a very wide illuminated area of the fundus.

Simultaneously, the scope's unique viewing system allows you to see the illuminated area on virtually the same axis, creating one of the widest fields of view attainable in undilated ophthalmoscopy. This means you are actually viewing the fundus through the mirror that directs illumination into the eye, maximizing the alignment of the viewing axis with the illuminated area. The bottom line? Welch Allyn's PanOptic Ophthalmoscope provides a dramatic difference you can see right away. And that translates into easier, more complete funduscopic exams for you—the first time and every time.

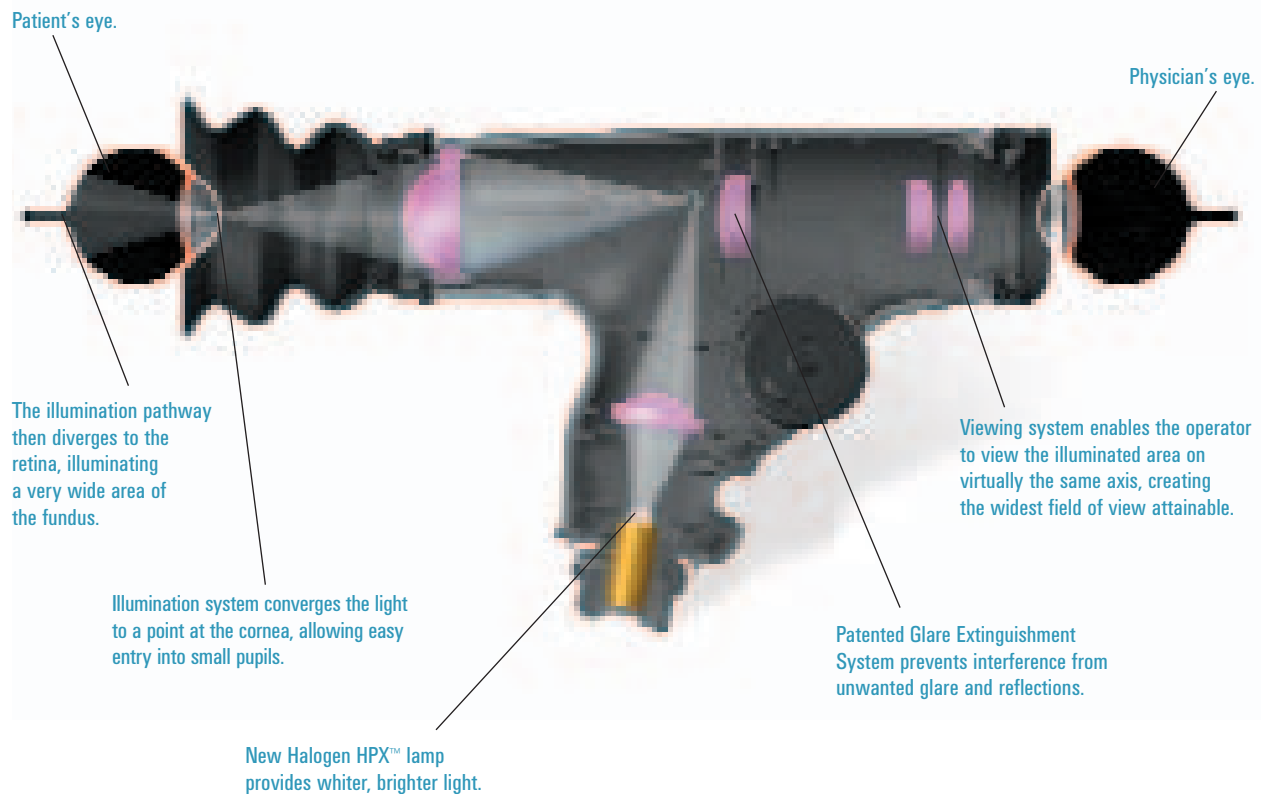


### WHAT YOU WILL SEE

The entire optic disc and surrounding vessels should be visible.

You should be realizing 5X the field-of-view you would see with a standard ophthalmoscope in an undilated eye.

This wide view makes it much easier to see important fundus features.



### ORDERING INFORMATION

- 11820 PanOptic Ophthalmoscope with Cobalt-Blue Filter and Corneal Viewing Lens (13.3 diopters)
- 11870 Patient Eyecups (package of 5 reusable cups)
- 03800-U Halogen HPX Replacement Lamps
- 11875 Corneal Viewing Lens (for use with 11820)
- 05828-U Diagnostic Set Carrying Case (hard)

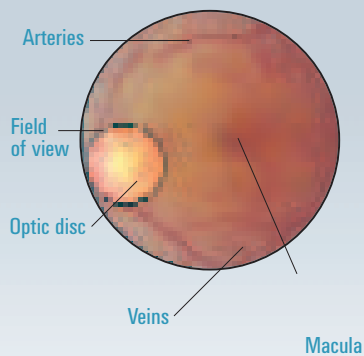
## The Welch Allyn Coaxial Vision System

The Welch Allyn patented Coaxial Vision System makes ophthalmoscopy easier than standard aspheric ophthalmoscopes. That's because it gives you more advantages than other direct ophthalmoscopes available today, including easier entry into the eye, a larger field of view, and reduced glare.

The exclusive curved-filament lamp and hole-in-the-mirror are the patented enabling features of our Coaxial Vision System.

By looking through the mirror directly along the pathway of the light, you'll see a larger area of the retina than other standard direct ophthalmoscopes.

### THE WELCH ALLYN COAXIAL VISION SYSTEM



The Welch Allyn Coaxial Vision System virtually eliminates shadowing, allowing you to see a much larger portion of the fundus than with any other standard direct ophthalmoscope. Our system brings the lines of vision and illumination closer for easier entry of light into the pupil and a larger field of view.

See a larger field of view

More readily enter the smallest pupils, regardless of pupil size

# Halogen Coaxial-Plus Ophthalmoscope

When Welch Allyn designed the world's first directly illuminated, hand-held ophthalmoscope 90 years ago, we started a tradition of bringing superior ophthalmic technology to professionals worldwide. Today, we continue to set standards for innovative technology. The popular 3.5v Coaxial-Plus Ophthalmoscope is one of our latest developments. With its combination of patented Coaxial-Plus optics, a unique new selection of filters and precise manufacturing techniques, the Coaxial-Plus Ophthalmoscope enables easier entry into undilated pupils.

## THE SYSTEM FEATURES 6 APERTURES:

**MICRO-SPOT APERTURE:** allows quick entry in small, undilated pupils.

**SMALL APERTURE:** provides excellent view of fundus through an undilated pupil.

**LARGE APERTURE:** standard aperture for dilated pupil and general examination of the eye.

**FIXATION APERTURE:** has graduated cross-hairs for measuring eccentric fixation or locating lesions.

**COBALT FILTER:** used with fluorescein dye to view small lesions, abrasions, and foreign objects on the cornea.

**SLIT:** used to determine levels of lesions and tumors.

## COAXIAL-PLUS OPTICAL SYSTEM:

Precise lamp filament and optical alignment enable maximum coaxial viewing for enhanced visibility and uniform illumination.

## IMPROVED LENS SELECTION DISC:

Offers 68 lenses with smooth, simple movement, and instant readout of actual diopter level.

## APERTURE SELECTION DIAL:

Offers six standard apertures.




## OPACITY SETTING:

Provides the brightest Halogen HPX™ light for easy entry into eyes with cataract or other media opacity.

## NEUTRAL FILTER:

Provides the ideal amount of Halogen HPX light for entering healthy eyes without unwanted reflex.

3.5v Coaxial-Plus Ophthalmoscope with the 719 Lithium-Ion Handle

	LENSES	FILTERS	OPTICAL SYSTEM
	68 lenses: -30 to +38 diopters	Neutral density filter Opacity setting Red-free filter	Coaxial-Plus optics Halogen HPX light
11735 Coaxial-Plus Ophthalmoscope			*Lamp replacement Part No. 04900-U
	68 lenses: -30 to +38 diopters	Cross-linear polarizing Red-free filter Cobalt blue filter	Coaxial optics Halogen HPX light
11730 Halogen AutoStep Ophthalmoscope			*Lamp replacement Part No. 04900-U
	28 lenses: -25 to +40 diopters	Cross-linear polarizing Red-free filter Cobalt blue filter	Coaxial optics Halogen HPX light
11720 Coaxial Ophthalmoscope			*Lamp replacement Part No. 04900-U

## ORDERING INFORMATION

11735 Coaxial-Plus Ophthalmoscope  
 11730 Halogen AutoStep Ophthalmoscope  
 11720 Coaxial Ophthalmoscope  
 04900-U Replacement Lamp

# Elite™ Retinoscope

## SUPERIOR ILLUMINATION FOR FASTER AND EASIER REFRACTIONS

Welch Allyn's newest ophthalmic innovation, the Elite Retinoscope, has an enhanced light output that makes refractions easier than ever by producing one of the brightest, sharpest, and cleanest streaks available. Features such as a convenient external focusing sleeve, sealed optics, and an optional polarizing filter make this one of the most user-friendly and innovative retinoscopes offered.

**SUPERIOR STREAK QUALITY:** \_\_\_\_\_  
Enables easier and quicker refractions—even in patients with small pupils.

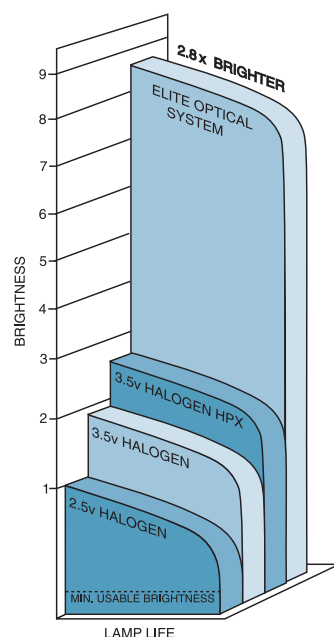
**CROSSED LINEAR POLARIZING FILTER:** \_\_\_\_\_  
Eliminates bothersome glare from trial lenses, helping you perform a more precise exam at the flick of a switch.

**EXTERNAL FOCUSING SLEEVE:** \_\_\_\_\_  
The continuously rotating external focusing sleeve improves comfort and maneuverability no matter what size your hand is or how you prefer to manipulate the sleeve.

**DUST-FREE DESIGN:**  
Completely sealed optics keep the lenses cleaner for more effective examinations over a longer period of time.

### BRIGHTNESS VS. STANDARD RETINOSCOPE:

**ELITE OPTICAL SYSTEM:**  
The Elite Optical System provides 2.8X the brightness and superior streak quality versus standard retinoscopes.



## ELITE RETINOSCOPE ORDERING INFORMATION

- 18245 Welch Allyn Elite Streak Retinoscope
- 08200-U Halogen HPX Streak Replacement Lamp
- 08300-U Halogen HPX Spot Replacement Lamp

### SPOT RETINOSCOPE INTERCHANGEABILITY

Simply insert a spot filament bulb in place of the streak filament bulb and the Welch Allyn Elite Retinoscope is converted into a Spot Retinoscope. This allows you to perform spot retinoscopy without having to buy a second scope.

### ACCESSORIES

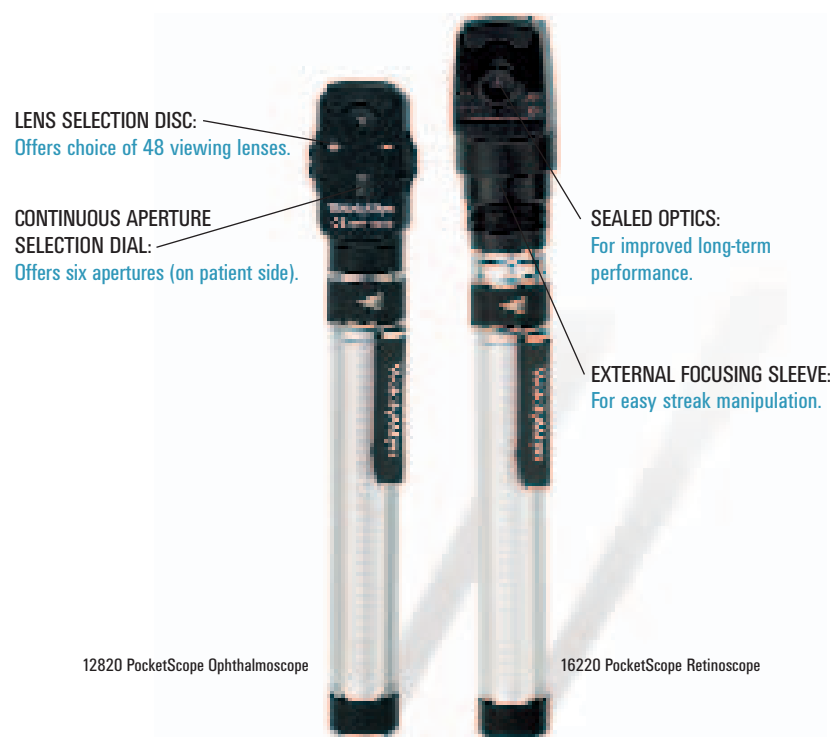
- 18250 Set of four fixation cards quickly and easily attach to magnetic logo on instrument head for dynamic retinoscopy.



Elite™ Retinoscope  
with 719 Lithium-Ion Handle

## Ophthalmic PocketScopes

Welch Allyn 2.5v Ophthalmic PocketScopes are lightweight, compact diagnostic instruments for those who want high performance in a slightly smaller package. Welch Allyn PocketScopes use halogen illumination and have many other features found on 3.5v sets. They are smaller in size but not in utility.



## Ophthalmic CompacSet™

This portable ophthalmic instrument is specifically designed to make examining patients easier. The Welch Allyn CompacSet features a retinoscope and an ophthalmoscope built into one compact unit. An optional transilluminator is also available.



### ORDERING INFORMATION

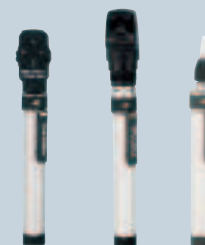
- 93400 Ophthalmic CompacSet with AA batteries and case (includes Transilluminator)
- 93300 Ophthalmic CompacSet with AA batteries and case
- 93410 (93415\* export) Ophthalmic CompacSet with rechargeable 2.5v battery, charging transformer and case (includes Transilluminator)
- 93310 (93315\* export) Ophthalmic CompacSet with rechargeable 2.5v battery, charging transformer and case

\*Available for export. Please specify country and voltage. Export ordering example: #94805 – Germany – 220v



### POCKETSCOPE SET

- 94830 (94805\* export) Ophthalmic PocketScope Set with rechargeable 2.5v batteries, charging stand, and case
- 94820 Ophthalmic PocketScope set with AA batteries and case



### INDIVIDUAL POCKETSCOPES

- 12820 PocketScope Ophthalmoscope with AA batteries
- 16220 PocketScope Retinoscope with AA batteries
- 14220 PocketScope Transilluminator with AA batteries

### ACCESSORIES

- 03900-U PocketScope Ophthalmoscope lamp
- 03400-U PocketScope Transilluminator lamp
- 08400-U PocketScope Retinoscope lamp
- 72600 Rechargeable 2.5v PocketScope Ni-Cad battery
- 72610 Rechargeable 2.5v Ophthalmic CompacSet Ni-Cad battery

## Lithium-Ion Power Sources

### TWICE THE ON-TIME, HALF THE WEIGHT!

Another Welch Allyn innovation, the next-generation Lithium-Ion Power Handle features “Smarter” Lithium-Ion battery technology. The Lithium-Ion Power Handle powers any 3.5v instrument head for 110 minutes—twice as long as our conventional handle. Its rugged CYCOLOY® plastic resin construction and ergonomic design make the handle lightweight and more comfortable for any sized hand. ETL listed for medical safety standards.

#### ORDERING INFORMATION

- 71900 (71905\* export) Lithium-Ion Power Source with AC Adapter
- 71930 (71935\* export) Lithium-Ion Power Source with Well Adapter
- 71960 Lithium-Ion Battery



®CYCOLOY is a registered trademark of General Electric Company

\*Available for export. Please specify country and voltage. Export ordering example: #71905 – Denmark – 220v



**71640** Desk Charger with  
Lithium-Ion Handles  
(heads sold separately)



**71980** Lithium-Ion  
Well Adapter

Allows use of Lithium-Ion Power  
Handle with traditional charging stand.

**71950** Removable  
Pull-out AC  
Charging  
Module



Retractable AC charging module easily  
plugs into any outlet.

#### RECYCLABLE BATTERY:

Please return expended rechargeable  
batteries to Welch Allyn for recycling.



## Ni-Cad Power Sources

Whether you want a convertible handle or one that simply recharges in a well, Welch Allyn offers a choice of power sources that are compatible with each and every one of our instrument heads.

Welch Allyn's concern for health extends to protecting our environment. We encourage customers to return expended nickel cadmium batteries to us for recycling.



71620 Universal Desk Charger and  
Two Ni-Cad Handles (heads sold separately)



- 71670 3.5v Well Rechargeable Handle
- 71000-C 3.5v Rechargeable/Convertible Handle (wall plug-in)
- 71000-A 3.5v Rechargeable Handle (wall plug-in)

\*Available for export. Please specify country and voltage. Export ordering example: #71105 – Spain – 220v

### 3.5V DESK CHARGER AND HANDLES

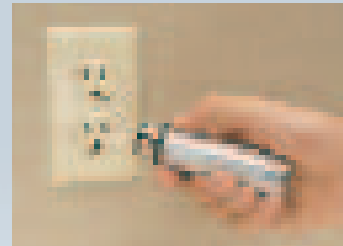
- 71140 Universal Charger only
- 71670 Rechargeable  
3.5v Handle only
- 71110 (71105\* export)  
Charger only
- 71410 Optional Wall Bracket  
for use with above desk  
chargers
- 72200 Ni-Cad Rechargeable  
Battery (color-coded  
black)

### 3.5V CONVERTIBLE HANDLE



- 71000-C (71055-C\* export)  
3.5v Convertible  
Power Handle (C-Cell  
battery capability)
- 72300 Ni-Cad Rechargeable  
Battery (color-coded  
orange)

### 3.5V HANDLE



- 71000-A (71055\* export)  
Rechargeable 3.5v  
Power Handle
- 71050 Extra bottom section only
- 72300 Ni-Cad Rechargeable  
Battery (color-coded  
orange)

## Welch Allyn Ophthalmic Diagnostic Sets

Many busy practitioners find that the best way to carry and store equipment is in a diagnostic set. That's why Welch Allyn offers a variety of customized equipment options to help fit your specific needs. Choose from a wide range of power sources, retinoscopes, ophthalmoscopes, and carrying cases.

### ALL SETS INCLUDE:

- Rechargeable Power Handle(s) of Choice
- Coaxial-Plus Ophthalmoscope and/or PanOptic™ Ophthalmoscope
- Halogen HPX™ Streak Retinoscope
- Carrying Case
- Fixation Card Set

### ORDERING INFORMATION

#### 18335-SM\* Smart Set

Includes Elite Retinoscope, Coaxial-Plus Ophthalmoscope, 3.5v Lithium-Ion handle, and A/C charging module

#### 18335-C\* Classic Set

Includes Elite Retinoscope, Coaxial-Plus Ophthalmoscope, and Ni-Cad rechargeable convertible handle

#### 18320-PSM\* PanOptic Smart Set

Include retinoscope, PanOptic ophthalmoscope, transilluminator, and 3.5v Lithium-Ion handle

\*Available for export. Please specify country and voltage. Export ordering example:

#18335-SM – France – 220v



18335-SM\* Smart Set













18335-C\* Classic Set



18320-PSM\* PanOptic Smart Set

## Welch Allyn Ophthalmic Diagnostic Sets\*

DIAGNOSTIC SET NUMBERS	RETINOSCOPES		FIXATION CARDS	OPHTHALMOSCOPES				POWER HANDLES		CASES
	 18200 SERIES STREAK	 18300 SPOT	 18250	 11735	 11730	 11720	 11820	 71900	 71000 OR 71000-C**	 HARD
18335-SM	■		■	■				■		■
18335	■		■	■					■	■
18330-SM	■		■		■			■		■
18330	■		■		■				■	■
18430		■	■		■				■	■
18320-PSM	■		■				■	■		■
18320-PC	■		■				■		■	■
18320-SM	■		■			■		■		■
18320	■		■			■			■	■
18420		■	■			■			■	■
11790					■				■	■
11770						■			■	■
18340-SM	■		■					■		■
18440		■	■						■	■

\*All sets available with power handles for export use. Please specify set number, country and voltage. Export ordering example: #11770 – Germany – 220v

\*\*Available with convertible handle, add "c" to set number when ordering (i.e. 18335 to 18335-C).

All sets available in soft case. If soft case is desired, specify by changing last numerical digit of set number to a "1" (i.e. 18335 to 18331).

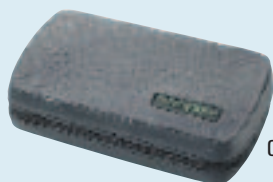
### ACCESSORIES

#### 41100 3.5V FIBER OPTIC FINNOFF TRANSILLUMINATOR

General fiber optic examination light for checking pupil reflex. Eliminates patient discomfort in transillumination of frontal and maxillary sinuses.



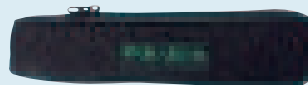
41100 Fiber Optic Finnoff Transilluminator



05829-U Hard Case



05620-U Soft Case



05214-U Soft Case

## Binocular Indirect Ophthalmoscopes

The Welch Allyn Binocular Indirect Ophthalmoscope is the most advanced BIO available. It offers state-of-the-art, convenient features along with a lightweight, comfortable fit and increased stability. In short, the Welch Allyn BIO is everything you need to make practicing indirect ophthalmoscopy easier and more efficient than ever before.

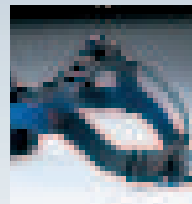
**10-YEAR WARRANTY ON  
INSTRUMENT AND HEADBAND**

**ERGONOMICALLY DESIGNED CONTROLS:**  
Convenient, durable design provides simple operation and protection against accidental drops.

**SMALL PUPIL  
CAPABILITY:**  
Convergence control allows illumination and visual pathways to be synchronized for excellent viewing in patients with pupils as small as 2 mm.



**PADDED  
HEADBAND:**  
Well-padded leather contact points and "swooped" design provide maximum comfort and viewing stability. Easy to adjust for a secure fit.



BIO with diffuser  
filter and yellow filter

**SOFTTILT PARK/REST FEATURE:**  
Allows optics to be moved to a stationary position out of your line of vision and eliminates risk of damage to eyeglasses or optics when returning them to use.

**HALOGEN LIGHT SOURCE:**  
One of the brightest, longest-lasting lamps available in a BIO (average lamp life 100 hours).

**FULL-TIME SAFETY FILTER:**  
Protects your patients against UV and IR hazards.

**MIRROR TILT CONTROL:**  
Optimally synchronizes illumination and viewing paths.

**SEALED OPTICS:**  
Vital optics and mirror assemblies are sealed against dirt and dust for enhanced viewing and durability.

**IPD CONTROL:**  
Adjusts to handle interpupillary distances of 48 mm to 75 mm—one of the widest ranges available in a BIO.

**OPTIONAL DIFFUSER FILTER:**  
Broadens the illumination beam for enhanced viewing of the peripheral retina.

**PRECISE ALUMINUM CHASSIS:**  
Protects optics and keeps components in precise alignment.

## ORDERING INFORMATION

- 12500 BIO with cobalt blue filter (optical portion and headband)
- 12500-D BIO with cobalt blue filter and diffuser filter (optical portion and headband)
- 12500-Y BIO with yellow filter (optical portion and headband)
- 12500-DY BIO with diffuser filter and yellow filter (optical portion and headband)

## Power Sources

Choose from two power sources—our Portable Power Source or the versatile Wall/Desk Power Source designed for mounting to almost any surface.

- 74350 (74355\* export) Wall/Desk Power Source mounts to any convenient surface
- 74360 (74365\* export) Portable Power Source with up to 60 minutes of on-time—can be used with recharging transformer for extended use



74350 Wall/Desk Power Source



74360 Portable Power Source

## Accessories

### CARRYING CASES

Maximum protection for BIO and room for all your essential accessories.

- 05120-U Large Carrying Case
- 05122-U Small Carrying Case



05120-U



05122-U

- 12550 Teaching Mirror
- 12060 Scleral Depressor
- 50120 Fundus Charts and Pencils
- 73300 Four-foot Cord Extension
- 12551 Voltage Adapter, 4.5v



12550



50120

\*Available for export. Please specify country and voltage. Export ordering example: #74355 – Ireland – 240v

## Other Ophthalmic Instruments

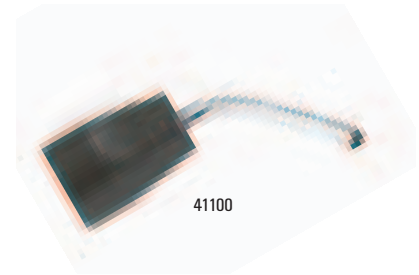
### 3.5V HALOGEN FIBER OPTIC TRANSILLUMINATORS

General fiber optic examination light provides cool illumination that eliminates patient discomfort. Useful in checking pupil reflex.

- Halogen HPX™ lamp that provides 30% more light output, for true tissue color and consistent, long-lasting illumination
- Fiber optic light transmission for cool distal light
- Fully sterilizable with steam, water, gas or solutions
- Optional cobalt blue filter

#### ORDERING INFORMATION

41100	Finnoff Ocular Transilluminator
41101	Same as 41100 with cobalt blue filter
41102	Cobalt blue filter only
43300	Curved all-purpose transilluminator
03100-U	Halogen replacement lamp for 41100 and 43300



### STRABISMOSCOPE UNIDIRECTIONAL OCCLUDER

Our StrabismoScope makes diagnosing strabismus easier than ever. Ideal for visualizing dissociated vertical deviation.

- Simplifies the cover test—you can see what the covered eye is doing
- Compatible—fits all Welch Allyn 3.5v power sources
- Durable—rugged ABS housings resist damage from drops

#### ORDERING INFORMATION

12400	3.5v Halogen StrabismoScope
03000-U	3.5v Halogen replacement lamp for 12400
12451	(12455* export) 3.5v Halogen StrabismoScope set includes: 12400 3.5v Halogen StrabismoScope, 71000-A 3.5v rechargeable handle, 05232 Soft Case

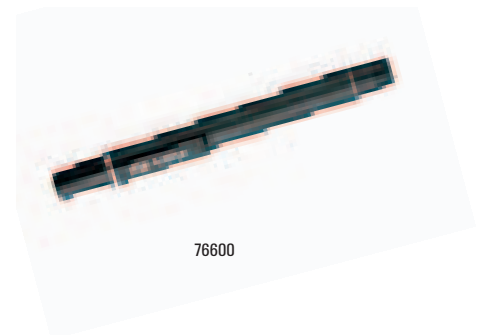


### HALOGEN PROFESSIONAL PENLITE

A convenient pocket light designed to fit your hand perfectly. Features bright, white halogen illumination for accurate tissue color rendition. Brass with black matte finish.

#### ORDERING INFORMATION

76600	Halogen Professional PenLite
07600-U	Halogen replacement lamp for 76600



\*Available for export.

## Wall Diagnostic System

The Wall Diagnostic System is designed to put everything you need for fast, accurate diagnoses at arm's length—and in one convenient modular package. The wall transformer holds two Welch Allyn handles, and features OptiSense™—a reliable optical sensor that automatically turns handles on when they're removed from the cradle and off when they are replaced. Best of all, you can add any Welch Allyn 3.5v instrument to your system by simply attaching the optional third handle module.

**HALOGEN HPX™ LAMP:**  
Featured in ophthalmoscope and retinoscope.

**OPTIONAL THIRD HANDLE MODULE:**  
Makes expansion a snap. Use any 3.5v Welch Allyn instrument including: Finnoff Transilluminator, StrabismoScope™ Unidirectional Occluder, or PanOptic™ Ophthalmoscope.

**AN OPTIONAL DIGITAL CLOCK AND PULSE TIMER:**  
Is available on models 76720 and 76725.

**OPTISENSE OPTICAL SENSOR:**  
Automatically turns handles on and off.

**HANDLE-BASED RHEOSTATS:**  
Make it easy to adjust light intensity.

**ADVANCED COILED CORDS:**  
Are capable of stretching up to 12 feet.

### WALL DIAGNOSTIC SYSTEM

- Halogen HPX lamp provides 30% more light output, for true tissue color and consistent, long-lasting illumination.
- Handle-based rheostats allow for quick light-intensity adjustments.
- Comfortable, contoured handles are easy to hold and maneuver.
- Modular coiled cords are guaranteed for 10 years.
- High-impact ABS housing is durable and easy to clean.
- Improved cradle design featuring OptiSense.

### ORDERING INFORMATION

76720 (76725\* export) 3.5v Wall Transformer with clock (heads sold separately)

76710 (76715\* export) 3.5v Wall Transformer without clock (heads sold separately)

76730 Third Handle Module

\*Available for export. Please specify country and voltage. Export ordering example: #76725 – Italy – 220v

## Surgery and Recovery Equipment

In addition to breakthrough ophthalmic products, Welch Allyn offers a wide range of innovative diagnostic instruments designed to help you provide more efficient in-office surgeries, procedures, treatments, and other tasks. From Automated External Defibrillators (AEDs) to sophisticated patient monitors, Welch Allyn has the instruments you need to get the job done.

### Spot Vital Signs®

- Saves time and increases efficiency with all results in 30 seconds
- Easy-to-use design allows one-button operation
- Portable, hospital-grade equipment that you can take wherever you need it most
- The first multiparameter device with an affordable price

Standard features include: NIBP, Pulse Rate, and MAP

Optional features include: Temperature, Nellcor® Pulse Oximetry, and Printer

4200B-E1 Spot with NIBP

420TB-E1 Spot with NIBP and Temperature

42N0B-E1 Spot with NIBP, Nellcor Pulse Oximeter

42NTB-E1 Spot with NIBP, Nellcor Pulse Oximeter, Temperature

4200-60 Mobile Stand

05031-101 Probe Covers (box of 1,000)



4200B-E1

### Vital Signs Monitor\* 300 Series

- Supports adult, pediatric and neonatal patients
- Simple to use—new LCD display facilitates menu navigation
- Includes automatic blood pressure mode, programmable alarms, built-in memory capability, and intuitive icons
- Standard noninvasive blood pressure (NIBP), Pulse Rate, and MAP
- Optional—SureTemp® Plus Thermometry, motion-tolerant Nellcor® pulse oximetry and integrated thermal printer

53NTP-E1 Vital Signs Monitor complete with NIBP, Nellcor SpO<sub>2</sub>, SureTemp Plus Thermometry and Printer

53000-E1 Vital Signs Monitor with NIBP (includes Pulse Rate and MAP)

530T0-E1 Vital Signs Monitor with NIBP and SureTemp Plus Thermometry

53N00-E1 Vital Signs Monitor with NIBP and Nellcor SpO<sub>2</sub>

53NT0-E1 Vital Signs Monitor with NIBP and Nellcor SpO<sub>2</sub>, and SureTemp Plus Thermometry

008-0835-01 Mobile Stand

05031-101 Probe Covers (box of 1,000)



53NTP-E1

\*Available for export. Call Welch Allyn for ordering details.

## Surgery and Recovery Equipment *continued*

### Welch Allyn Atlas™ Monitor\*

- An affordably priced monitor that is perfect for surgery environments
- Multi-colored LED digits allow for easy differentiation of vital parameters
- Bright, crisp waveforms with across-the-room visibility
- Push-button operation makes Atlas simple to learn and use
- Lightweight and portable with integrated handles and optional battery

Standard features include: ECG, SpO<sub>2</sub>, NIBP

Optional features include: Temperature, Respiration, Battery, RS232, and Printer

622NP-E1 Atlas with ECG, Nellcor® SpO<sub>2</sub>, NIBP, Temperature, Respiration, Battery, RS232, Printer

621NP-E1 Atlas with ECG, Nellcor SpO<sub>2</sub>, NIBP, Printer

6200-30 Mobile Stand

05031-101 Probe Covers (box of 1,000)

Call Welch Allyn Customer Service at  
1-800-535-6663 for other configurations.



### AED 10™

- Text and voice instructions guide the user through the rescue. Color-coded pads and illustrations ensure proper pad placement
- Escalating energy (200j, 300j, 360j), per AHA guidelines. Energy protocol can be changed to meet specific needs
- High-performance battery delivers five years of stand-by performance or over 90 discharges at 360 joules
- Internal memory stores event data including ECG waveforms, time/date stamps, shock delivery, and system actions
- Pediatric energy reducer available

970302E AED 10 with Soft Shell Carrying Case



\*Available for export. Call Welch Allyn for ordering details.

## Welch Allyn DuraShock™ Sphygmomanometer

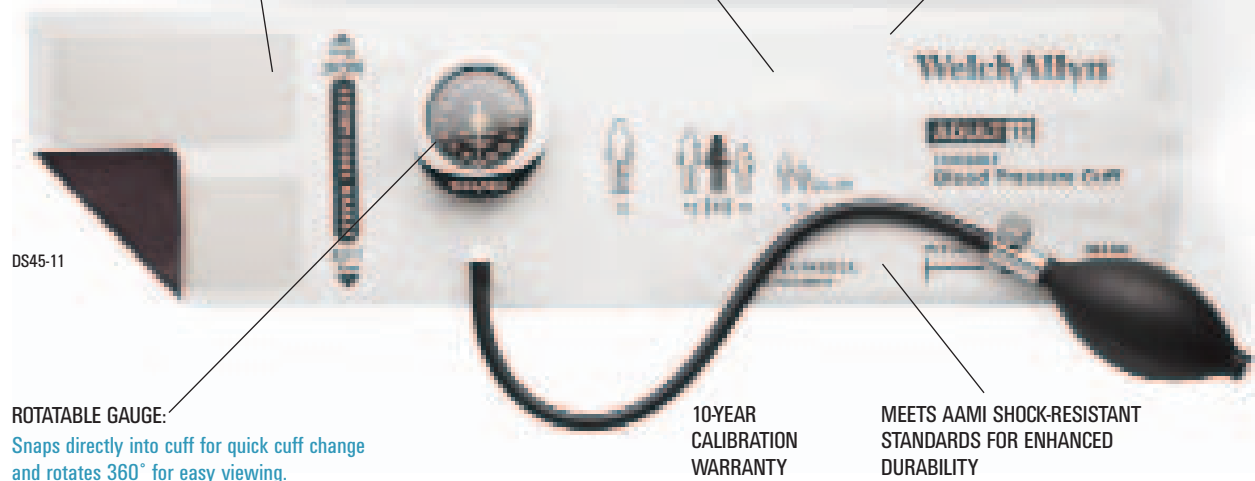
The Welch Allyn DuraShock Sphygmomanometer is the first and only gear-free, shock-resistant aneroid with an integrated cuff. It delivers unprecedented durability with prolonged accuracy, making it one of the most important innovations in the field.

DS45-11 DuraShock Sphygmomanometer with durable one-piece cuff, two-tone adult

**DURABLE ONE-PIECE CUFF:**  
Lasts 100,000 cycles.

**LIGHTWEIGHT:**  
Half the weight of a traditional sphygmomanometer.

**INNOVATIVE RIGHT OR LEFT-ARM CUFF DESIGN:**  
Designed to fit the brachial artery of either arm.



## Welch Allyn OS2-5 Automatic Self Measurement Blood Pressure System

Take accurate blood pressure readings at home with this easy-to-use, automatic device.

- Accurate, easy-to-use automatic or manual blood pressure system
- Simple one-button operation is easy to use
- “Fuzzy Logic” smart inflation system is fast and comfortable for the user
- Large, easy-to-read display shows systolic, diastolic, and pulse measurements simultaneously
- Optional voltage adapter to preserve batteries
- 2-year warranty



7052-34 OS2-5 Automatic Self-Measurement Blood Pressure System with Adult Cuff

7052-37 Voltage Adapter

## Tycos® TR-1 Hand Aneroid

Innovative trigger-release design for easy operation.

- Certified accuracy to  $\pm 3$ mm Hg
- Trigger deflation valve for smooth, one-finger operation
- Latex-free for safety
- Durable one-piece cuff or traditional two-piece cuff
- Polyester zip case
- 10-year calibration warranty

5098-27-CB With Two-Piece Adult Cuff and Bladder

5098-27 With Durable One-Piece Adult Cuff

5098-30 Print Multi-Cuff Kit with Durable One-Piece Cuff  
(child print, small adult, adult, large adult)

5098-30-CB Print Multi-Cuff Kit with Two-Piece Cuff and Bladder  
(child print, adult, large adult)



5098-27-CB

## Tycos® Classic Hand Aneroid

Unsurpassed reliability in a traditional, hand-held design.

- Certified accuracy to  $\pm 3$ mm Hg
- Latex-free for safety
- Jeweled movement for long life
- Laser-engraved dial face for accuracy
- Durable, one-piece cuff or traditional two-piece cuff
- Lifetime calibration warranty

5098-02 With Durable One-Piece Adult Cuff

5098-02-CB With Two-Piece Adult Cuff and Bladder

5098-23 Print Multi-Cuff Kit with Durable One-Piece Cuff  
(child print, small adult, adult, large adult)

5098-23-CB Print Multi-Cuff Kit with Two-Piece Cuff and Bladder  
(child print, adult, large adult)



5098-02

## Professional Stethoscopes

The Welch Allyn Professional Stethoscope is one of the most comfortable and versatile general use stethoscopes manufactured today. Featuring innovative Comfort Sealing eartips and superior acoustics, our lightweight Professional model leads the way in comfort and convenience.

5079-135 Professional Adult Double-Head Stethoscopes

ADJUSTABLE BINAURALS:

Ensure a comfortable fit.

5-YEAR WARRANTY

LIGHTWEIGHT, FLEXIBLE  
28" PVC TUBING:

Makes it easy to fit  
inside pocket or carry  
around your neck.

COMFORT SEALING EARTIPS:

The shape of your ear canal  
ensures a soft yet airtight fit.

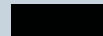
STAINLESS STEEL CHESTPIECE:

Double-head (well and flat  
diaphragm) chestpiece with  
non-chill rim allows for accurate  
auscultation of heart, lung, and  
blood pressure sounds.

### ORDERING INFORMATION

#### PROFESSIONAL DOUBLE-HEAD STETHOSCOPES

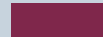
5079-135 Black



5079-137 Navy



5079-139 Burgundy

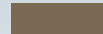


5079-285 Forest Green



#### LIGHTWEIGHT DOUBLE-HEAD STETHOSCOPES

5079-73 Velvet Black



5079-76 Misty Blue



5079-74 Poppy Red



5079-75 Sherwood  
Green



## Lightweight Stethoscopes

These lightweight, high-quality stethoscopes are perfect for blood pressure measurements and general auscultation. Featuring flexible single-channel tubing, they ensure extreme comfort even when used over extended periods.

ADJUSTABLE CHROME-  
PLATED BINAURALS:

Ensure a comfortable fit.

2-YEAR WARRANTY

LIGHTWEIGHT AND  
COMFORTABLE:


































Flexible single-channel tubing  
makes it comfortable to use  
over extended periods.

31" OVERALL LENGTH

































LIGHTWEIGHT CHESTPIECE:

Ideal for general procedures.











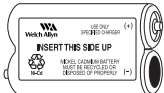
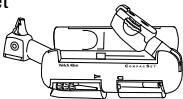






## Replacement Lamps

LAMP NUMBER	REPLACEMENT LAMP ACTUAL SIZE	CURRENT INSTRUMENTS		OBSOLETE INSTRUMENTS
00200-U		Transilluminators  41000		
00900-U				Ophthalmoscopes  10600  121  110 Retinoscopes  17600  17610
01200-U		Binocular Indirect Ophthalmoscopes  125 Series		
01300-U				PenLites  76000  77700
01400-U				PenLite  77800
01800-U				Retinoscopes  17200
02300-U				Ophthalmoscopes  12900
03000-U		Ophthalmoscopes  11710	StrabismoScope™  12400	Ophthalmoscopes  11600  11605  11610 Retinoscopes  18000
03100-U		Illuminators  41100	Transilluminators  43300	
03400-U		Transilluminators  41110		
03700-U				Retinoscopes  18100

## Replacement Lamps *continued*

LAMP NUMBER	REPLACEMENT LAMP ACTUAL SIZE	CURRENT INSTRUMENTS	OBSOLETE INSTRUMENTS
03800-U		PanOptic Ophthalmoscopes  11810  11820	
03900-U		Ophthalmoscopes  13010	Ophthalmoscopes  12810  11110
04400-U		Ophthalmoscopes  11470/11475	Ophthalmoscopes  11400  11411
04500-U			Retinoscopes  18010
04600-U			Retinoscopes  17710
04900-U		Ophthalmoscopes  11720  11730	Ophthalmoscopes  11620  11630
07200-U		Retinoscopes  17200	
07600-U		PenLite  76600	
08200-U		Streak Retinoscopes  18200  18245	Streak Retinoscopes  18235
08300-U		Spot Retinoscopes  18300	
08400-U		Retinoscopes  93300	

# Batteries

BATTERY NUMBER	BATTERY	CURRENT INSTRUMENTS	OBSOLETE INSTRUMENTS
72300	3.5v 	71000-A 71020-A 71000-A 71020-C 71055-C 	
72200	3.5v 	71670 	71000 71020 
72000	2.5v 	70700 71500 	60700 
72100	2.5v 		617 handles 717 handles 
72610		CompacSet 93400 	
72600		PocketScope 72800 	
72240		Binocular Indirect Ophthalmoscope 12000 	
71960		Lithium-Ion Handle 71900 	

## Welch Allyn Stands Behind Its Products

All Welch Allyn ophthalmic instruments are guaranteed by Welch Allyn against manufacturing defects. Welch Allyn will repair or replace, free of charge, any parts of its own manufacture proven to be defective through causes other than misuse, neglect, damage in shipment, or normal wear.

### WELCH ALLYN LAMP POLICY

Welch Allyn instruments are completely engineered from the source of illumination to the instrument's usage. Lamp manufacture is a very critical part of this system; therefore, it is recommended that you use only genuine Welch Allyn lamps.

### WELCH ALLYN BATTERY POLICY

Welch Allyn Ni-Cad batteries will be replaced at a price that is reduced pro rata based on premature failure should they fail before the date printed on the battery (when used in Welch Allyn handles only). This date represents two years after the manufacture of the battery.

## Welch Allyn Inc. Locations & Phone Numbers

### Welch Allyn Medical Products Headquarters

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Fax: 1 315 685 2174

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Fax: 1 858 621 6610

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**WelchAllyn®**

Advancing Frontline Care™