For more than three-quarters of a century, Welch Allyn veterinary and human medical diagnostic instruments have set worldwide standards in advanced design and skilled craftsmanship.

From its headquarters in an upstate New York farming community, this family-owned business has become the world’s largest manufacturer of handheld diagnostic products. The company now operates manufacturing facilities in New York State, California, North Carolina, Germany, and the Republic of Ireland. Its sales and distribution facilities span the globe, with a network of sales offices and service centers located in Europe, Africa, the Middle East, Asia, and South Pacific to support its international distributor chain.

We are pleased to introduce this latest edition of our Veterinary Catalog. We particularly hope that the new Procedural sections will prove useful in expanding the practicality and usefulness of our diagnostic instruments to busy veterinary practices.

Throughout the catalog you will find continued reference to halogen illumination—a system Welch Allyn pioneered in handheld diagnostic instruments for veterinarians and which provides a longer-lasting white light giving true tissue color for accurate diagnoses.

Again Welch Allyn was first to introduce fiber optics in diagnostic instruments; and in the products in this catalog, we use fiber optics to channel cool shadow-free light to the heart of the examining area, freeing the veterinarian from obstructions and reflections found in ordinary instruments.

All of the electrical equipment is safe for both doctor and animal and conforms fully to international safety standards. All Welch Allyn veterinary instruments carry the unique Welch Allyn guarantees for veterinary students and practitioners and are serviced worldwide through our carefully selected and qualified distributor networks.

Finally, Welch Allyn veterinary instruments form part of an interrelated system where equipment can be expanded economically from a centralized power source as the practice needs develop.

Welch Allyn—more than 85 years of serving veterinarians worldwide!

We at Welch Allyn thank the Fairmount Animal Hospital located in Fairmount, New York, for allowing us the use of their facilities in our application photographs.
The new Welch Allyn VideoPath Veterinary Imaging System is the first video system that delivers the benefits of high-quality video imaging into your office. Portable, user-friendly, and compatible with any Welch Allyn 3.5v battery handle, this fully automatic instrument enables crystal clear video imaging of the mouth, ear, throat, and other cavities. A single cord attachment to the instrument head can be connected directly to most types of video monitors, eliminating multiple cords, light boxes, and video processors. Simply plug the cord into your monitor and begin procedures.

- Economical, high-quality video imaging system
- Compact and portable—fits right in the palm of your hand
- Single cord setup—plug it into your monitor and view

No. 23100V—VideoPath Veterinary Imaging System only includes: Video Head, Soft Case, 2 Reusable Specula (4 mm & 5 mm), 12' RCA Video Cable
No. 23101V—VideoPath Veterinary Imaging System, with Power Handle. Same as above with 71000-A Power Handle
No. 03500—Illumination Assembly for Imaging System
No. 22165—VideoPath Reusable Speculum, 5 mm, long
No. 22164—VideoPath Reusable Speculum, 4 mm, short
No. 65188—Sony Trinitron, 9” Color Monitor (KV-9PT50)
No. 45518—Video Cable, VideoPath, 12’ RCA/RCA

Promotes compliance and client confidence

Show clients abnormalities such as mites, foreign bodies, and inflammation prior to treatment.
Show clients airway disorders, lesions, and injuries in the mouth.
Show clients dental disorders that are normally difficult to view when explaining treatment options.
3.5v Otoscopes

State-of-the-art imaging chip enables high-quality video images to be transmitted to your monitor.

Composite output can be connected to any monitor using standard connectors.

Reusable speculum (2 sizes included).

Designed for use with standard 3.5v handle and our new 719 Lithium Ion Power Handle (not compatible with wall transformers).

3.5v Otoscopes

Pneumatic Consulting Otoscope

- Halogen HPX™ Lamp that provides 30% more light output, for true tissue color and consistent, long lasting illumination.
- Two viewing lenses for dual observation; teaching; consulting.
- Fiber optic illumination for cool light.
- Sealed system for pneumatic otoscopy.
- Rotatable head for left- and right-sided viewing.

No. 20262—3.5v Otoscope, complete with three polypropylene specula, sizes 4, 5 and 7 mm
No. 20263—Same as 20262, without polypropylene specula
No. 21501—Insufflator bulb and tube without tip
No. 03100—Halogen replacement lamp for No. 20262 (see page 45 for actual lamp size). Not sold in sets.

Patent No. 4,006,738

Welch Allyn “Owner Awareness” Scope

Otitis externa is one of the most common problems veterinarians see in cats and dogs. Chronic ear diseases are frustrating to owners and veterinarians alike. Clients need to understand the importance of good ear care and the difficulties associated with ear problems. The veterinarian can guide the client through education and participation. The Welch Allyn “Owner Awareness” scope and VideoPath Veterinary Imaging System are essential tools in client education. Clients can be shown exactly what an affected ear looks like. This usually makes them far more receptive to authorizing and participating in treatment. Once treatment is under way, the scope provides a way for the client to see the positive effects. Since veterinarians see animals with ear problems so often, the Welch Allyn “Owner Awareness” scope and VideoPath Veterinary Imaging System should prove a frequently used tool in giving clients essential information in a graphic way.
EENT
Instruments and Equipment
3.5v Ophthalmoscopes

Standard Ophthalmoscope
- Halogen light for true tissue color and consistent, long-lasting illumination.
- 6 apertures for all general and specialist use.
- 28 lenses -25 to +40 diopters for better resolution.
- Rubber brow rest prevents scratching of eyeglasses.
- Illuminated lens dial clearly identifies setting.

No. 11710—3.5v Standard Ophthalmoscope
No. 03000—Halogen replacement lamp for No. 11710 (see page 44 for actual lamp size)

No. 11710 Apertures:  
1. 2. 3. 4. 5. 6. 7.

Coaxial Ophthalmoscope
The 11720 Ophthalmoscope includes all of the features of the 11710 plus:
- Halogen HPXTM lamp that provides 30% more light output, for true tissue color and consistent, long-lasting illumination.
- Coaxial optical system for shadow-free spot and easier entry into undilated pupil.
- Crossed linear polarizing filter to reduce corneal reflection.
- Red-free filter for use with any aperture.
- 18 possible aperture combinations for greater versatility (see below).
- Sealed optics for better dust protection.

No. 11720—3.5v Coaxial Ophthalmoscope
No. 04900—Halogen replacement lamp for No. 11720 (see page 46 for actual lamp size)

U.S. Patent Nos. 4,526,449; 4,998,818; + International Patents

No. 11720 Apertures:  
1. 2. 3. 4. 5. 6. 7.

AutoStep® Coaxial Ophthalmoscope
The 11730 Ophthalmoscope includes all of the features of the 11710 and 11720 plus:
- Halogen HPXTM lamp that provides 30% more light output, for true tissue color and consistent, long-lasting illumination.
- 68 lenses in one diopter step for better resolution.

No. 11730—3.5v AutoStep Ophthalmoscope
No. 04900—Halogen replacement lamp for No. 11720 (see page 48 for actual lamp size)

U.S. Patent Nos. 4,526,449; 4,998,818; 4,643,546; + International Patents

No. 11730 Apertures:  
1. 2. 3. 4. 5. 6. 7.

Refer to pages 16 and 17 for 3.5v diagnostic sets including these instruments.
The Normal Fundus of the Cat
In the normal fundus of the cat, the optic disc is small and a peripapillary pigment ring is present frequently. There are three major arterioles leaving the disc; one superiorly, one inferonasally and one more inferotemporally.

Advanced Progressive Retinal Atrophy
PRA can be subdivided into generalized PRA and central PRA. The clinical signs of generalized PRA are night blindness, loss of peripheral vision, poor pupillary response, and increased tapetal reflectivity. Central PRA is characterized by loss of central vision that progresses into total visual loss.

The Normal Fundus of the Dog
The dog’s fundus is characterized by the visual presence of three major venules with the direction being superiorly, inferonasally, and inferotemporally. There are approximately 20 arterioles emanating from the disc in a radial pattern.

Procedure Guide
Welch Allyn ophthalmoscopes can be used to examine any animal. Here the coaxial ophthalmoscope is being used to examine a guinea pig with an ulcerative cornea. The ophthalmoscope is held in the right hand when observing the right eye. The left hand is used to separate the bit.

A successful ophthalmoscopy requires that the pupil be dilated. Adequate performance of ophthalmoscopy requires a semi-darkened area. To dilate the pupil, use 1 percent Tropicamide drops, one drop in each eye; wait 10 minutes and administer the drops again. Pupillary dilation will result in 20 minutes.

In addition to its function in examination of the eye grounds, the ophthalmoscope is a useful diagnostic aid in studying other ocular structures. The light beam may be used as a method of illuminating the cornea and iris and for detecting foreign bodies in the cornea and irregularities of the pupil.

Indirect Ophthalmoscopy
A Welch Allyn glass indirect viewing lens, combined with a source of direct illumination, allows the veterinarian to perform monocular indirect ophthalmoscopy. The technique requires an assistant to hold the animal’s head during the examination.

The Welch Allyn viewing lens is held in front of the animal’s eye by the examiner. At arm’s length, the examiner directs the light source on the viewing lens, which then reveals an inverted picture of the fundus.

Indirect Viewing Lens
- 20 diopter all-glass indirect convex viewing lens allows for less distortion.
- Provides a larger field of view of the fundus than is possible with direct ophthalmoscopy.
- Examination at a safe distance from fractious animals.

No. 12300—Veterinary Viewing Lens
Using any equipment producing a bright spot of light, such as the Welch Allyn No. 41100 transilluminator (page 11), or a No. 76600 PenLite (below), the diagnostic procedure is performed at arm’s length.

Professional PenLite
- Halogen light for true tissue color and consistent, long-lasting illumination.
- Brass with black matte finish for durability.
No. 76600—PenLite
No. 07600—Halogen replacement lamp for No. 76600 (see page 47 for actual lamp size)
2.5v PocketScope™ Ophthalmoscope

- Halogen light for true tissue color and consistent, long-lasting illumination.
- 5 aperture selections for general and specialist use.
- 48 lenses for better resolution.
- Polarized filter to reduce corneal reflection.
- Compact size fits in pocket.

No. 12800—PocketScope Ophthalmoscope with handle and rechargeable battery
No. 12811—PocketScope Ophthalmoscope with handle and rechargeable battery, in soft case No. 05111
No. 12820—PocketScope Ophthalmoscope with AA alkaline battery handle
No. 12821—PocketScope Ophthalmoscope with AA alkaline battery handle in soft case No. 05111
No. 13000—PocketScope Ophthalmoscope without handle
No. 05280—Hard zipper case
No. 05928—Soft zipper case
No. 03900—Halogen replacement lamp for No. 12810 (see page 45 for actual lamp size)

2.5v PocketScope™ Otoscope/Throat Illuminator

- Halogen light for true tissue color and consistent, long-lasting illumination.
- Fiber optics for cool light with no reflection, no obstruction.
- Wide angle viewing lens for instrumentation under magnification.
- Sealed system for pneumatic otoscopy.
- Built-in throat illuminator/penlight for added versatility.

No. 22800—PocketScope Otoscope/Throat Illuminator with handle and rechargeable battery
No. 22811—PocketScope Otoscope/Throat Illuminator with handle and rechargeable battery, in soft case No. 05928
No. 22820—PocketScope Otoscope/Throat Illuminator with AA alkaline battery handle
No. 22821—PocketScope Otoscope/Throat Illuminator with AA alkaline battery handle, in soft case No. 05928
No. 21111—PocketScope Otoscope/Throat Illuminator without handle
No. 21504—Insufflator bulb and tube with tip
No. 211005—Otoscope lens replacement
No. 03400—Halogen replacement lamp for No. 21110 (see page 45 for actual lamp size)

2.5v PocketScope™ Power Sources

Handles

- Rheostat for variable light intensity.

No. 72800—PocketScope handle with rechargeable battery
No. 72600—2.5v replacement rechargeable battery
No. 72801—PocketScope handle without batteries
No. 72820—PocketScope handle with AA alkaline batteries

Desk Chargers

- Handy light to signal when batteries are charging.

No. 79280—Charger only. 110-130v, 50/60 Hz for North America
No. 79285—Charger only, export (specify country and voltage)*

*Export Ordering Example: No. 79285—Denmark—220v
125 Binocular Indirect Ophthalmoscope

- The image obtained with the 125 BIO offers a greater field of view and precise binocular viewing but with less magnification than a direct ophthalmoscope.
- Since both eyes are used with a BIO, a stereoscopic view is obtained.
- The image viewed with a BIO is an inverted image; the image seen with a direct ophthalmoscope is erect.
- Sealed against dust and dirt.
- Allows for an interpupillary distance of 49 to 74 mm.
- Features built-in apertures and filters.
- Provides true small-pupil capability down to 2 mm in size by moving the illumination and visual pathways closer together.
- Has a varied line of power sources and accessories.

No. 12500—Binocular Indirect Ophthalmoscope with 8 ft. cord
No. 12500Y—Binocular Indirect Ophthalmoscope with yellow filter (Yellow filter substituted for cobalt blue filter) and 8 ft. cord
No. 74350—Wall/desk power source
No. 74355—Same as 74350, but export (specify country and voltage)*
No. 74360—Portable power source
No. 74365—Same as 74360, but export (specify country and voltage)*
No. 05120—Large carrying case
No. 05122—Small carrying case

*Export Ordering Example: No. 74355—Germany—220v

- 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. The brightest, longest-lasting illumination available in a BIO.
- Precision Aluminum Chassis. Protects optics and filters and keeps critical components in precise alignment.
- Full-time Safety Filter. Protects against UV and IR light hazards.
- Mirror Tilt Control. Optimally synchronizes illumination and viewing paths.
- Ergonomically Designed Controls. Convenient, durable design provides simple operation and protection against accidental drops.
- IDP Control. Adjusts to handle interpupillary distances of 49 mm to 74 mm—the widest range available.
- Sealed Optics. Vital optics and mirror assemblies are sealed against dirt and dust for enhanced viewing and durability.
- U.S. and International Patents Pending.
3.5v Otoscopes

Pneumatic Otoscope
- Halogen HPX™ lamp that provides 30% more light output, for true tissue color and consistent, long-lasting illumination.
- Rotating lens with ultra-seal for pneumatic otoscopy.
- Fiber optic illumination for cool light.
No. 20260—3.5v Otoscope, complete with three polypropylene specula, sizes 4, 5, and 7 mm
No. 20250—Same as 20260, without polypropylene specula
No. 20250—Same as 20260, but with 12 diopter lens to provide increased magnification
No. 21501—Insufflator bulb and tube without tip
No. 03100—Halogen replacement lamp for No. 20260 (see page 44 for actual lamp size)

Operating Otoscope
- Halogen HPX™ lamp that provides 30% more light output, for true tissue color and consistent, long-lasting illumination.
- Open system for convenience during procedures.
- Rotatable lens and speculum for ease of use.
- Fiber optic illumination for cool light.
No. 21760—3.5v Otoscope, complete with three polypropylene specula, sizes 4, 5, and 7 mm
No. 21761—Same as 21760 without polypropylene specula
No. 209026-502—Lens and attachable arm
No. 03100—Halogen replacement lamp for No. 21760 (see page 44 for actual lamp size)

Diagnostic Otoscope/Throat Illuminator
- Halogen HPX™ lamp that provides 30% more light output, for true tissue color and consistent, long-lasting illumination.
- Fiber optics for cool light with no reflections, no obstruction.
- Built-in throat illuminator/penlight—simply detach head for high-intensity illumination.
- Wide-angle viewing lens for instrumentation under magnification.
- Sealed system for pneumatic otoscopy.
No. 20000—3.5v Otoscope/Throat Illuminator, complete with four polypropylene specula, sizes 2.5, 3, 4, and 5 mm
No. 20001—Same as 20000, including No. 21504 Insufflator bulb and tube with tip
No. 20035—Same as 20000, without polypropylene specula
No. 200078-503—Otoscope section only
No. 25257—Throat Illuminator section only (Snap-on style for pre-1996 models)
No. 03100—Halogen replacement lamp for No. 20000 (see page 44 for actual lamp size)
No. 23557—Throat Illuminator section only (Thread-on style for model 20000A)

Accessories: No. 21504—Insufflator bulb and tube with tip
No. 200055-502—Lens holder assembly
Refer to pages 16 and 17 for 3.5v diagnostic sets including these instruments.

Use of the Otoscope
An otoscopic examination of the external ear canal should be performed on every physical examination and is a must for patients with an ear disease. The ear canal may be straightened by grabbing the pinna and gently pulling it up and away from the patient. The otoscope can then be inserted into the vertical ear canal. While visualizing the vertical canal, the otoscope can be slowly advanced into the horizontal canal and the tympanic membrane visualized. The otoscope can be rotated so a panoramic view of the ear canal may be seen. Exudate and inflammation can easily be visualized.
Reusuable Polypropylene Specula
- Material is lightweight, but durable
- May be autoclaved boiled or cleaned with standard germicides.
- Four sizes
- Easily attached

Color: Black
Actual Size:
- 2.5 mm
- 3 mm
- 4 mm
- 5 mm

No. 22002 — 2 mm speculum
No. 22003 — 3 mm speculum
No. 22004 — 4 mm speculum
No. 22005 — 5 mm speculum
No. 22009 — 9 mm (nasal) speculum
No. 22100 — Set of above five specula

Polypeptide Specula for Use with Pneumatic and Operating Otoscopes
- Material is lightweight, yet very durable
- May be autoclaved boiled or sterilized in solution
- Five sizes
- Easily attached

Color: Black
Actual Size:
- 3 mm
- 5 mm
- 7 mm

No. 22202 — 3 mm speculum
No. 22205 — 5 mm speculum
No. 22207 — 7 mm speculum
No. 22120 — Set of above three specula

SofSpec® Specula
- Elastomer tip provides comfort and durability
- May be autoclaved, boiled or sterilized in solution
- Specially contoured for ultra pneumatic seal
- Three sizes—small, medium and large
- Easily attached

Color: Black
Actual Size:
- 3 mm
- 5 mm
- 7 mm

KleenSpec® Disposable Specula
- Disposable tips are convenient, economical and safe
- Three sizes—small, medium and large
- Easily attached
- Dispenser available

Color: Black
Actual Size:
- 3 mm
- 4 mm
- 5 mm

No. 52133* — 3 mm disposable specula, 500/bag
No. 52134* — 4 mm disposable specula, 500/bag
No. 52135* — 5 mm disposable specula, 500/bag

*Sold to distributor in case quantity only (10 bags/case)
### 3.5v Transilluminators

- 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, and solutions.
- Optional cobalt blue filter.

| No. 41100 | Finnoff ocular transilluminator |
| No. 41101 | Same as 41100, with cobalt blue filter |
| No. 41102 | Cobalt blue filter only |
| No. 43300 | Curved all purpose transilluminator |

No. 03100—Halogen replacement lamp for Nos. 41100 and 43300 (see page 44 for actual lamp size)

### Indications for use:
- Tissue transillumination
- Transillumination of teeth and gums
- Monocular indirect ophthalmology with the Welch Allyn Viewing Lens No. 12300
- Demonstration of the loss of corneal epithelium in an anterior ocular/segment exam; the Finnoff ocular transilluminator with cobalt blue filter can be used very effectively to excite fluorescein

### 3.5v Larynx and Nasopharynx Illuminators

- 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.
- Wide-angle rotatable mirrors with pilot aperture.
- Fully sterilizable with steam, water, gas, and solutions.

| No. 27000 | Larynx illuminator, complete |
| No. 27050 | Nasopharynx illuminator, complete |

Indications for use:
- General larynx and pharynx examination of small animals; this can be accomplished easily with the halogen fiber optic larynx and nasopharynx illuminators
- Ideal for locating “foxtail” obstructions
3.5v Larynx and Nasopharynx Illuminators

3.5v Bivalve Speculum
- Autoclavable for complete sterilization.
- Adjustable speculum facilitates removal of foreign bodies.
- No. 26030—Bivalve speculum complete with No. 23557 illuminator
- No. 26035—Bivalve speculum section only
- No. 26330—Optional magnifying lens for use with No. 26030
- No. 23557—Throat illuminator section only
- No. 03100—Halogen replacement lamp for No. 26030 (see page 44 for actual lamp size)

Indications for Use
The 3.5v Bivalve Speculum is designed for ease of operation when used during an examination or to facilitate the removal of foreign bodies. With small animals it can be used for ENT or vaginal procedures. Its dual blades may be actuated with thumb and finger, and the lamp offers a bright, white, and cool light. The fiber optic light pipe may be positioned so that it is centered between the two blades. The flexibility of blade rotation also enables the fiber optic light pipe to be positioned flush with either the left or right blade. The Bivalve Speculum simply threads onto the Straight Illuminator base that attaches to your 3.5v Welch Allyn handle. Also available is an optional magnifying lens that slides onto the Bivalve Speculum light pipe.

3.5v Nasal Illuminators
- Halogen HPX™ lamp that provides 30% more light output, for true tissue color and consistent, long-lasting illumination.
- Fiber optic illumination for cool light.
- Convertible to throat illuminator/penlight.
- No. 26530—Nasal illuminator, complete with one 9 mm polypropylene speculum
- No. 26535—Nasal illuminator section only (Note: requires illuminator section from No. 20000 otoscope or No. 23557 to make illuminator complete)
- No. 22009—9 mm speculum
- No. 03100—Halogen replacement lamp for Nos. 27000, 27050, and No. 26530 (see page 44 for actual lamp size)

3.5v Tongue Blade Holders
- Halogen HPX™ lamp that provides 30% more light output, for true tissue color and consistent, long-lasting illumination.
- Fiber optic diffuser for cool distal light.
- Universal clamp accommodates most tongue blades.
- No. 28100—Tongue blade holder
- No. 03100—Halogen replacement lamp for No. 28100 (see page 44 for actual lamp size)
3.5v Rechargeable Handles

- Universal handle accepts all Welch Allyn 3.5v instrument heads.
- Well-balanced handle rests comfortably in the hand. Weight is evenly distributed end to end.
- Adjustable rheostat control—Free-floating reserve setting allows optimal intensity and battery life.
- Economical—Long-lasting rechargeable nickel-cadmium battery included.
- Sure grip—Smooth, non-abrasive knurled finish ensures a no-slip grip.
- Chrome-plated brass handles provide durable, long-life construction.
- Safety switch to prevent accidental draining of battery.
- Metal head connectors for durability.

Direct Plug-in Style
No. 71000-A—Rechargeable 3.5v handle, 100-130v, 50/60 Hz
No. 710127-503—Handle subassembly (top section)
No. 71050-C—Extra bottom section only, 100-130v, 50/60 Hz
No. 72300—Nickel-cadmium rechargeable battery (color coded black) for Nos. 71000, 71010, 71015, 71020, 71050, 71051, 71054, 71055, and 71070 handles
No. 72300—Nickel-cadmium rechargeable battery for (color coded orange) No. 71000-A
Refer to pages 16 and 17 for 3.5v diagnostic sets including this instrument.

3.5v Convertible Power Handles 110v

- Universal handle accepts all Welch Allyn 3.5v instrument heads.
- Well-balanced handle rests comfortably in the hand. Weight is evenly distributed end to end.
- Adjustable rheostat control—Free-floating reserve setting allows optimal intensity and battery life.
- Transformer module—Built-in step-down transformer is UL recognized.
- Economical—Long-lasting rechargeable nickel-cadmium battery included.
- Sure grip—Smooth, non-abrasive knurled finish ensures a no-slip grip.
- Chrome-plated brass handles provide durable, long-life construction.
- Safety switch to prevent accidental draining of battery.
- Metal head connectors for durability.

Direct Plug-in Style
No. 71000-C—Rechargeable 3.5v handle, 100-130v, 50/60 Hz
No. 710127-503—Handle subassembly (top section)
No. 71050-C—Extra bottom section only, 100-130v, 50/60 Hz
No. 72300—Nickel-cadmium rechargeable battery (color coded orange)

For C-cell conversion, remove the recharging module and rechargeable battery; replace with two C-cell batteries and converter.

72300 Rechargeable batteries, simply plug unit into any conventional 110v outlet for easy overnight recharging.
3.5v Convertible Power Handles 220-250v

- Universal handle accepts all Welch Allyn 3.5v instrument heads.
- Well-balanced handle rests comfortably in the hand. Weight is evenly distributed end to end.
- Adjustable rheostat control—Free-floating reserve setting allows optimal intensity and battery life.
- Economical—Long-lasting rechargeable nickel-cadmium battery included.
- Sure grip—Smooth, non-abrasive knurled finish ensures a no-slip grip.
- Chrome-plated brass handles provide durable, long-life construction.
- Safety switch to prevent accidental draining of battery.
- Metal head connectors for durability.

Direct Plug-in Style
No. 71055—Rechargeable 3.5v handle and transformer, export, conforms to IEC 601-1, 220v-250v, 50/60 Hz (specify country and voltage)*
No. 71020—Extra 3.5v handle only
No. 710127—Handle subassembly (top section)
No. 71054—Extra 3.5v bottom section only
No. 71025—Transformer only for rechargeable handle, export, conforms to IEC 601-1, 220-250v, 50/60 Hz (specify country and voltage)*
No. 72300—Nickel-cadmium rechargeable battery (color coded orange)
Refer to pages 16 and 17 for 3.5v diagnostic sets including this instrument.

U.S. Patent No. 5,177,424

For C-cell conversion, remove the recharging module and rechargeable battery; replace with two C-cell batteries and converter.

Transformer Style
No. 71055—Rechargeable 3.5v handle and transformer, export (specify country and voltage)*; conforms to IEC 601-1, 220-250v, 50/60 Hz
No. 71020—Extra 3.5v handle only, export (specify country and voltage)*
No. 710127—Handle subassembly (top section)
No. 71054—Extra 3.5v bottom section only, export (specify country and voltage)*
No. 71025—Transformer only for rechargeable handle, export (specify country and voltage)*; conforms to IEC 601-1, 220-250v, 50/60 Hz
No. 71015—Same as No. 71055, but UL listed, CSA certified
No. 71010—Rechargeable 3.5v handle only, UL listed, CSA certified
No. 710127—Handle subassembly (top section), CSA certified
No. 71051—Extra bottom section only for No. 71010, CSA certified
No. 71040—Transformer only for rechargeable handle, UL listed, CSA certified
No. 72300—Nickel-cadmium rechargeable battery for (color coded black) for Nos. 71000, 71010, 71015, 71020, 71050, 71051, 71054, 71055, and 71670 handles

*Export Ordering Example: No. 71055—Germany—220v
719 Lithium Ion Power Handles

The next generation 719 Lithium Ion Power Handle features "Smarter" Lithium Ion battery technology. The 719 Lithium Ion Power Handle powers any 3.5v instrument head for 110 minutes—twice as long as the conventional handle. Its rugged CYCOLOY® plastic resin construction and flexible, ergonomic design make the new 719 Lithium Ion Power Handle more comfortable for any sized hand.

- Average 110 minutes of on-time between charging.
- Smallest diameter of any 3.5v power handle.
- Durable CYCOLOY® construction.
- Lithium ion battery technology.
- No need to discharge between charging cycles.
- Half the weight of current 3.5v handles.
- KleenSpec® Plus Dispenser with a large, 200-specula capacity and integral storage area.

No. 71900—719 Series Power Handle, includes complete removable AC adapter
No. 71905—for export, includes 719 Series Power Handle and Lithium Charging Stand (specify country and voltage)*
No. 71950—719 AC Charging Module
No. 71960—719 Replacement battery

*Export Ordering Example: No. 71905—Germany—220v

§CYCOLOY is a registered trademark of General Electric Company
U.S. and International Patents Pending.

767 Wall Transformers

The all-in-one package. The 767 Wall Transformer is designed to put everything needed for fast, accurate diagnoses at arm’s length. And it does this in a convenient, modular package. The 767 Wall Transformer features:

- Handle-based rheostats for quick light-intensity adjustments.
- Comfortable, contoured handles that are easy to hold and maneuver.
- Modular coiled cords that are guaranteed for 10 years.
- High-impact ABS housing that is durable and easy to clean.
- Improved cradle design featuring OptiSense®, a reliable optical sensor that automatically turns handles on when they are removed from the cradles.
- New Halogen HPX™ lamp that provides 30% more light output.
- Optional digital clock and pulse timer.
- Optional third handle module makes expansion a snap.

No. 76710—3.5v Wall Transformer without clock, for export (specify country and voltage)*
No. 76720—3.5v Wall Transformer with clock, for export (specify country and voltage)*
No. 76730—Third handle module

*Export Ordering Example: No. 76710—Germany—220v

Sets do not include instrument heads.

U.S. and International Patents Pending.
Choosing a Diagnostic Set

Instrument components are listed first on the order charts. To order, choose the combination of instruments you want and refer to the Diagnostic Set number in the same row.

Spare lamps are not provided with halogen sets.

### 3.5v Halogen Diagnostic Sets*

<table>
<thead>
<tr>
<th>Ophthalmoscope</th>
<th>Otoscope</th>
<th>Handle</th>
<th>Hard Case Diagnostic No.</th>
<th>Hard Case (Only)</th>
<th>Soft Case Diagnostic No.</th>
<th>Soft Case (Only)</th>
</tr>
</thead>
<tbody>
<tr>
<td>11710</td>
<td>20260</td>
<td>71000-A</td>
<td>96120</td>
<td>96121</td>
<td>96170</td>
<td>96171</td>
</tr>
<tr>
<td>11720</td>
<td>21760</td>
<td>71000-A</td>
<td>96220</td>
<td>96221</td>
<td>96270</td>
<td>96271</td>
</tr>
<tr>
<td>11720</td>
<td>20260</td>
<td>71000-A</td>
<td>96220</td>
<td>96221</td>
<td>96270</td>
<td>96271</td>
</tr>
<tr>
<td>11720</td>
<td>21760</td>
<td>71000-A</td>
<td>96270</td>
<td>96271</td>
<td>97200</td>
<td>97201</td>
</tr>
<tr>
<td>11730</td>
<td>20260</td>
<td>71000-A</td>
<td>96320</td>
<td>96321</td>
<td>97250</td>
<td>97251</td>
</tr>
<tr>
<td>11730</td>
<td>21760</td>
<td>71000-A</td>
<td>96370</td>
<td>96371</td>
<td>97300</td>
<td>97301</td>
</tr>
</tbody>
</table>

*All sets available with rechargeable handles for export use which conform to IEC-601-1. Please specify set number, country, and voltage.

**Export Ordering Example:** No. 11770—Germany—220v

---

Compact Zipper Cases

- Resistant to spills and scratches.
- Cleans easily with damp cloth.
- Unaffected by most common chemicals.
- Zipper on three sides permits case to open flat.

<table>
<thead>
<tr>
<th>Compact Zipper Cases</th>
</tr>
</thead>
<tbody>
<tr>
<td>05166</td>
</tr>
</tbody>
</table>

- Hard cases include molded inserts to keep instruments securely in position and well-protected, and are made of attractive, leather-grained black vinyl.

*No. 05215 includes interior pockets for instrument placement.

---

3.5v Halogen Ophthalmoscope Sets*

<table>
<thead>
<tr>
<th>Ophthalmoscope</th>
<th>Handle</th>
<th>Hard Case Diagnostic Set No.</th>
<th>Hard Case (Only)</th>
<th>Soft Case Diagnostic Set No.</th>
<th>Soft Case (Only)</th>
</tr>
</thead>
<tbody>
<tr>
<td>11710</td>
<td>71000-A</td>
<td>11750</td>
<td>05129</td>
<td>11751</td>
<td>05214</td>
</tr>
<tr>
<td>11720</td>
<td>71000-A</td>
<td>11770</td>
<td>05129</td>
<td>11771</td>
<td>05214</td>
</tr>
<tr>
<td>11730</td>
<td>71000-A</td>
<td>11790</td>
<td>05129</td>
<td>11791</td>
<td>05214</td>
</tr>
</tbody>
</table>

*All sets available with rechargeable handles for export use which conform to IEC-601-1. Please specify set number, country, and voltage.

**Export Ordering Example:** No. 11770—Germany—220v
Otoscope Sets & Desk Chargers

3.5v Halogen Otoscope Sets*

<table>
<thead>
<tr>
<th>Otoscope Handle</th>
<th>Hard Case Diagnostic Set No.</th>
<th>Soft Case Diagnostic Set No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>21670 71000-A</td>
<td>06966</td>
<td>20671</td>
</tr>
<tr>
<td>21671 71000-A</td>
<td>05215</td>
<td></td>
</tr>
</tbody>
</table>

*All sets available with rechargeable handles for export use which conform to IEC-601-1. Please specify set number, country, and voltage.

Export Ordering Example: No. 11770—Germany—220v

3.5v Desk Chargers

- Advanced circuitry for constant automatic safe charging and optimum lamp performance and life.
- Compact for convenience and mobility.
- Optional wall brackets for permanently mounting to wall or cabinet.
- Available with integral specula tray for convenient storage of swabs, otoscope specula, and curettes.

No. 71610—Complete unit, includes charger No. 71110 and two 3.5v rechargeable handles
No. 71670, 110-130v, 50/60 Hz, UL listed, CSA certified. Compact charger base measures only 3-3/8" (86 mm) x 7-1/4" (184 mm)
No. 71605—Same as No. 71610, but export (specify country and voltage)* conforms to IEC 601-1, 220-250v, 50/60 Hz

No. 71410—Optional wall bracket for use with the above desk chargers
No. 71650—Same as No. 71610 but with integral specula tray 5" (127 mm) x 7" (178 mm) x 2-1/4" (57 mm) for swabs, ear specula, and curettes
No. 71645—Same as No. 71605 but with integral specula tray (specify country and voltage)* conforms to IEC 601-1, 220-250v, 50/60 Hz

No. 71110—Charger only, 110-130v, 50/60 Hz (will also accept 2.5v handles), UL listed, CSA certified
No. 71105—Same as No. 71110, but export (specify country and voltage)* conforms to IEC 601-1, 220-250v, 50/60 Hz
No. 71150—Charger with tray only, 110-130v, 50/60 Hz, UL listed, CSA certified (will also accept 2.5v handles)
No. 71145—Same as No. 71150, but export (specify country and voltage)* conforms to IEC 601-1, 220-250v, 50/60 Hz

No. 71670—Rechargeable 3.5v handle only
No. 72200—Nickel-cadmium rechargeable battery (color coded black) for No. 71670 handle

Instrument heads not included.

Complete desk charger No. 71610 also available in 2.5v (refer to No. 71210)
Examination Lights

Exam Light II

- Halogen light for true tissue color and consistent, long-lasting illumination.
- Light intensity of 750 footcandles (8070 LUX) of a 4-inch (10.16 cm) spot at 16 inches (40.64 cm).
- Color temperature is 3200° K for true tissue color.
- Flexible fiber optic light pipe for cool distal light.
- Compact light head provides unobtrusive illumination.
- Focusing sleeve gives sharp definition of examination field. Spot size adjusts from 4 inches (10.16 cm) to 10 inches (25.4 cm) at 16 inches (40.64 cm).
- Non-drift light pipe with 360° rotation ensures fixed position on any plane.
- Noiseless light box eliminates distraction and can be mounted on wall, table, or stand.
- Disposable sheaths available to prevent cross-contamination.
- Special light pipe available for neonatal transillumination.

No. 48600—Exam Light II, complete, includes focusing sleeve, mounting bracket, and light box, 110-130v, 50/60 Hz for North America, UL listed, CSA certified

No. 48625—Same as No. 48600, but export (specify country and voltage),* conforms to IEC 601-1, 220-250v, 50/60 Hz

No. 48610—Exam Light II complete, includes fiber optic neonate light pipe and light box, 110-130v, 50/60 Hz for North America, UL listed, CSA certified

No. 48635—Same, but export (specify country and voltage),* conforms to IEC 601-1, 220-250v, 50/60 Hz

No. 48200—Fiber optic light pipe, length 49.5 inches (126 cm)

No. 48210—Fiber optic neonate light pipe

No. 52640—Box of 25 disposable sheaths, 52 inches (132 cm); sold to distributor in case quantity only—5 boxes/case

No. 52641—Disposable sheath dispenser

No. 48605—Focusing sleeve

No. 48830—Light box, 110-130v, 50/60 Hz, UL listed, CSA certified

No. 48835—Same, but export (specify country and voltage),* conforms to IEC 601-1, 220-250v, 50/60 Hz

No. 48650—Mobile stand with locking casters, height adjustable from 26” to 40” (66 cm to 102 cm)

No. 48659—Universal table bracket

No. 04200—Halogen replacement lamp for Nos. 48600, 48610, 48625, and 48635 (see page 46 for actual lamp size)

*Export Ordering Example: No. 48625—Philippines—220v

No. 52640 Disposable sheath 52 inches (132 cm)
No. 48210 Fiber Optic Neonate Light Pipe
No. 48859 Universal Table Bracket
No. 52641 Disposable Sheath Dispenser
**General Examination & Procedure Lights**

### LS100™ Halogen Examination Lights
- Halogen light for true tissue color and consistent, long-lasting illumination.
- Computer designed reflector and front cover bezel provide homogenous 6’ spot of light and greater depth of field.
- Easy one-hand positioning with movable 24” arm.
- Integral 30” pole leaves no exposed wiring, minimizes maintenance, and facilitates mobility throughout the examination area.

**No. 44100**—LS100 Halogen Examination Light, complete with integral floor stand, 110-130V 60 Hz for North America, UL 544 for Class 1 Medical Equipment, CSA 22.2-125 for Class 2G Medical Equipment

**No. 44105**—Same as 44100, but export (specify country and voltage)*, conforms to IEC 601-1, 220-250V, 50/60 Hz

**No. 44101**—Table Clamp Accessory for mounting models 44110 or 44115 to a table or desk

**No. 44110**—LS100 Wall Mount Model, 110-130V 60 Hz for North America, UL 544 for Class 1 Medical Equipment, CSA 22.2-125 for Class 2G Medical Equipment

**No. 44115**—Same as 44110, but export (specify country and voltage)*, conforms to IEC 601-1, 220-250V, 50/60 Hz

**No. 44150**—Caster Base Accessory for use with models 44100 or 44105

Versatile mounting options:
- The floor stand model is perfect for stationary use.
- The Caster Base Accessory facilitates mobility around the exam room.
- The LS100 Wall Mount Model is unobtrusive and saves floor space.
- The Table Clamp Accessory is ideal when floor or wall space is limited.

### LS200™ Procedure Lights
- Superior maneuverability and durability with a three-year warranty.
- 3,000 hour low-voltage halogen bulbs in dichroic reflectors.
- End-user friction adjustments that guarantee drift-free, obedient articulation.
- Cool working field and a seven-inch spot size with feathered-edge definition.
- Compact design that is lightweight and easy to clean.
- 2,500 footcandles light output and 3,500° K color temperature with 24-inch (60 cm) working distance.

**No. 44200**—LS200 Procedure Light, arm, and luminaire section with transformer 120V (110-130V), 60 Hz for North America, UL 544 for Class 1 Medical Equipment, CSA 22.2-125 for Class 2G Medical Equipment

**No. 44205**—Same as 44200, but export (specify country and voltage)*, conforms to IEC 601-1, 220-250V, 50/60 Hz

**No. 44210**—Wall Mount Accessory for use with 44200 and 44205

**No. 44250**—Mobile Stand Accessory for use with 44200 and 44205

**No. 06400**—Halogen replacement lamp for 44200 and 44205 (see page 47 for actual lamp size)

*Export Ordering Example: No. 44105—Germany—220v
Portable Binocular Microscope

Welch Allyn LumiView®: Hands-free Binocular Viewing and Illumination of Small Cavities.

This revolutionary new diagnostic instrument gives you everything you need to examine your patients more effectively and efficiently than ever before.
- Brilliant halogen illumination
- Three-dimensional viewing
- Large depth of focus
- Hands-free operation

And unlike reflective head mirrors, illuminated headlamps, and custom-made loupes, the Welch Allyn LumiView delivers it all in one easy-to-use, affordable package. See for yourself why LumiView is the best way to take your examinations and procedures to a whole new dimension.

INSTRUMENTS
No. 20500SV—Spectacle-mount Welch Allyn LumiView with portable battery pack. Includes insufflation system and specula.
No. 20500HV—Headband-mount Welch Allyn LumiView with portable battery pack. Includes insufflation system and specula.
No. 20510SV—Spectacle-mount Welch Allyn LumiView with direct power supply. Includes insufflation system and specula.
No. 20510HV—Headband-mount Welch Allyn LumiView with direct power supply. Includes insufflation system and specula.
No. 20520S—Spectacle Flat Surface Magnifier with portable battery pack.
No. 20520H—Headband Flat Surface Magnifier with portable battery pack.

POWER SOURCES
No. 75260—Portable battery pack w/ charger.
No. 75210—Direct power supply.

ACCESSORIES
No. 08500—Replacement lamp (see page 48 for actual lamp size)
No. 72250—Replacement battery (see page 48 for actual lamp size)
No. 05374—Portable case for Spectacle-mount Welch Allyn LumiView.

Approvals
UL 544, CAN/CSA C22.2, No. 125 IEC 601-1, IEC 601-1-2, CE

*Export Ordering Example: No. 20500HV—Germany—220v

Two-Diopter Magnification (1.5x) is sufficient for most exams and procedures. Insufflation system provides additional 1.0x magnification when necessary.
**General Examination**

**Headlights**

**Solarc™ MFI Headlights**
- Welch Allyn’s patented Solarc lamp provides white, xenon-quality light (5,500°K) for more accurate color and clear tissue identification compared to halogen systems (3,200°K)
- The Solarc arc lamp has an average life of 350 hours
- Unique optical design provides at least 30% greater light intensity than leading halogen systems

No. 46120—Complete System (Light source, fiber bundle, headband/luminaire)
No. 46125—Same as No. 46120, but export (specify country and voltage)*, conforms to IEC 601-1, 220-250v, 50/60 Hz
No. 46100—Solarc Light source only
No. 46143—Fiber Optic Bundle
No. 46140—Headband and Luminaire
No. 09500—Replacement lamp (see page 48 for actual lamp size)

**Halogen Headlights**
- Halogen light for true tissue color and consistent, long-lasting illumination.
- Iris diaphragm regulates diameter of light spot.
- “Quick Detach” connector on headband for mobility.

No. 49003—Headlight complete with headband, wall transformer, and mounting plate, 110-130v, 50/60 Hz, UL listed, CSA certified
No. 49022—Same as No. 49003, but export (specify country and voltage)*, conforms to IEC 601-1, 220-250v, 50/60 Hz
No. 490074—Complete headlight without wall transformer
No. 460167-503—Polyethylene headband only
No. 790030-501—Transformer only for No. 49003, UL listed, CSA certified
No. 02600—Halogen replacement lamp for No. 49003 (see page 44 for actual lamp size)

**Direct Focusing Headlights**
- Convenient focusing sleeve adjusts to permit uniform quality illumination.
- “Quick Detach” connector on headband for mobility.

No. 46003—Headlight complete with headband and 6v transformer, 110-130v, 60 Hz, UL listed, CSA certified
No. 46023—Same as No. 46003, but export (specify country and voltage)*, conforms to IEC 601-1, 220-250v, 50/60 Hz
No. 791003-502—Transformer only for No. 46003, UL listed, CSA certified
No. 791000—Transformer only for No. 46023 (specify country and voltage), conforms to IEC 601-1, 220-250v, 50/60 Hz
No. 46080—Polyethylene headband only, with lamp housing (lamp and lens assembly not included) and “quick detach” connector
No. 460167-501—Polyethylene headband only
No. 460152—Lens assembly only (lamp not included)
No. 02500—Incandescent replacement lamp for No. 46003 (see page 44 for actual lamp size)

*Export Ordering Example: No. 46125—Germany—220v
Halogen Fiber Optic Endoscopes

These endoscopes can be used for:

**Colonoscopy.** The smaller diameter endoscopes (11 and 16 mm) are particularly useful for feline colonoscopy. The larger diameters (18, 23, and 27 mm) are useful for examining the rectum and distal colon. The longer lengths (25-35 cm) are needed to examine the entire length of the left colon in both the dog and the cat. An excellent view of the entire left colon can be obtained with these instruments. Cytological and biopsy samples may be obtained from the left colon with appropriate accessories.

**Esophagoscopy.** An excellent view of the esophagus can be achieved by using longer-length (25-35 cm) rigid endoscopes. Esophageal foreign bodies may be removed with appropriate accessories.

**Laparoscopy.** The 11, 15, and 19 mm rigid endoscopes may also be used as laparoscopes, frequently to obtain kidney and liver biopsies.

---

Fiber Optic Endoscopes

- **Halogen light** for consistent, long-lasting illumination.
- **Fiber optics** provide cool distal ring of light, no reflections, no obstructions.
- **Autoclavable stainless steel** for convenience and durability.
- **Hinged window with neoprene seal** to avoid fogging during insufflation.
- **Graduated tube with removable tip** for fiber cleaning.
- **Compatible** with available adapters to fit most Welch Allyn power handles.
- **Variety of diameters and lengths.** Refer to chart for ordering information.

<table>
<thead>
<tr>
<th>Endoscope speculum only</th>
<th>Complete set with single endoscope speculum, obturator, light handle, insufflation bulb and transformer*</th>
</tr>
</thead>
<tbody>
<tr>
<td>11 mm x 10 cm</td>
<td>32010</td>
</tr>
<tr>
<td>11 mm x 25 cm</td>
<td>32020</td>
</tr>
<tr>
<td>15 mm x 15 cm</td>
<td>32410</td>
</tr>
<tr>
<td>15 mm x 25 cm</td>
<td>32420</td>
</tr>
</tbody>
</table>
### Endoscopy

#### Disposable Endoscopes
- Complete with 3.5v Halogen illumination system*
- May also be used with the 6v illumination system

<table>
<thead>
<tr>
<th>Disposable endoscope</th>
<th>Complete set with single endoscope speculum, obturator, light handle, insufflation bulb and transformer*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Standard Endoscopes</td>
<td></td>
</tr>
<tr>
<td>19 mm x 15 cm</td>
<td>32810</td>
</tr>
<tr>
<td>19 mm x 25 cm</td>
<td>32820</td>
</tr>
<tr>
<td>19 mm x 30 cm</td>
<td>33830</td>
</tr>
<tr>
<td>19 mm x 35 cm</td>
<td>32830</td>
</tr>
<tr>
<td>23 mm x 25 cm</td>
<td>33220</td>
</tr>
<tr>
<td>27 mm x 25 cm</td>
<td>33820</td>
</tr>
</tbody>
</table>

#### Fiber Optic Endoscopes Sets

- No. 35303—Set includes:
  - No. 32410 (15 mm x 15 cm) Pediatric Endoscope
  - No. 32820 (19 mm x 25 cm) Endoscope
  - No. 37023 Fiber Optic Anoscope
  - No. 73210 Light Handle with Cord
  - No. 73350 Transformer
  - No. 71000-A 3.5v Power handle
  - No. 07800 Insufflation bulb Complete
  - No. 07800 Extra Halogen Lamps (2)

- No. 35322—Similar with No. 73325 transformer, but export (specify country and voltage)*. See separate specification sheet for contents.

#### 3.5v Halogen Illumination Systems
- Halogen light for consistent, long-lasting illumination.
- Fiber optics provide cool distal ring of light, no reflections, no obstructions.
- Hinged window with neoprene seal to avoid fogging during insufflation.

No. 36103—Complete illumination system including fiber optic light head, light handle, transformer, and insufflation bulb, UL listed, CSA certified. Conforms to IEC 601-1, 220-250v, 50/60 Hz. For export system (specify country and voltage)*.

No. 36019—Fiber optic light head
No. 73500—3.5v Handle adapter
No. 71000-A—3.5v Power handle

*Export Ordering Example: No. 35322—France—220v
Anoscopes may be used with minimum sedation or none. They are used for visualization of the anus and distal rectum. Polypoid lesions in the region can easily be seen with an anoscope. Colonic cultures and colonic scrapes for cytological evaluation are also easily obtained.

Vaginoscopy. A variety of vaginal diseases may be visualized with the smaller anoscopes (8-14 mm), and tissue for a definitive diagnosis may be obtained with appropriate accessories. Catheterization of the urethra of the female is facilitated by passing a catheter through the anoscope into the urethra.

Fiber Optic Anoscopes

- **Fiber optics** provide cool distal ring of light, no reflections, no obstructions.
- **Autoclaveable stainless steel** for convenience and durability.
- **45° bevel tip** (90° available on request).
- **Compatible** with available adapters to fit most Welch Allyn power handles.

<table>
<thead>
<tr>
<th>Speculum only with obturator</th>
<th>Complete set with single speculum obturator, light handle, and transformer*</th>
</tr>
</thead>
<tbody>
<tr>
<td>19 mm x 7 cm</td>
<td>37019 37119</td>
</tr>
<tr>
<td>23 mm x 7 cm</td>
<td>37023 37123</td>
</tr>
<tr>
<td>27 mm x 7 cm</td>
<td>37027 37127</td>
</tr>
</tbody>
</table>

All fiber optic anoscopes are available with 90° angle tips.
Standard Anoscopes

- Halogen light for consistent, long-lasting illumination.
- Wide range of diameters and styles.
- Autoclavable for convenience and safety.
- Compatible with available adapters to fit most Welch Allyn power handles.
- Versatile with choice of Halogen or Incandescent illumination.

<table>
<thead>
<tr>
<th>Anoscope Type</th>
<th>Anoscope complete w/Halogen light carrier</th>
<th>Anoscope complete w/Fiber Optic light carrier</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rotating Speculum Anoscope</td>
<td>38900</td>
<td>38800</td>
</tr>
<tr>
<td>Operating (Cut-out) Speculum Anoscope</td>
<td>38108</td>
<td>38008</td>
</tr>
<tr>
<td>Long Speculum Anoscope</td>
<td>38614</td>
<td>38514</td>
</tr>
</tbody>
</table>

All anoscope speculum provided with obturator.

KleenSpec® Disposable Anoscopes

- Disposable for economy, safety, and convenience.
- Individually wrapped.
- 45° bevel end.

No. 53110—Box of 25 individually wrapped disposable specula (19 mm x 10 cm) with obturators. Sold to distributor in case quantity—only 4 boxes/case.

6v Illumination Systems

- Halogen light for consistent, long-lasting illumination.
- Fiber optic provides cool distal ring of light; no reflections, no obstructions.

No. 36103—Complete illumination system including fiber optic light head, light handle, transformer, and insufflation bulb. UL listed, CSA certified. Conforms to IEC 601-1. 220-250v, 50/60 Hz. For export system (specify country and voltage). *

No. 36019—Fiber optic light head
No. 73305—Transformer with 5 ft. cord
No. 73306—Same as No. 73305 but export (specify country and voltage). *

Refer to page 29 for illumination systems.

*Export Ordering Example: No. 36103—Philippines—220v
Endoscopy

Endoscope/Anoscope Accessories

No. 36101—Complete 6v illumination system includes fiber optic light head, light handle, transformer, and insufflation bulb. UL listed, CSA certified. Conforms to IEC 601-1, 220-250v, 50/60 Hz (for use with fiber optic and disposable endoscopes and anoscopes)

No. 30200—Insufflation bulb, bladder, net, and tubing

No. 36019—Fiber optic light head

No. 73210—Light handle with 3 ft. cord

No. 73305—Transformer with 5 ft. cord, 110-130v, 60 Hz, UL listed, CSA certified

No. 73325—Same as No. 73305, but export (specify country and voltage)*

No. 73500—Halogen 3.5v handle adapter fits any 3.5v power source: 71000, 71055 handles; 71670 desk charger handles; and 74710 wall transformer. Halogen HPX™ lamp with 30% more light output.

No. 73550—Halogen 2.5v handle adapter fits any 2.5v power source (except PocketScopes): 71000-A, 70500, 70700, 70755 handles; 71500 desk charger handles; and 74910 wall transformer

No. 73308—On-off switch (for use with endoscope or anoscope illumination systems)

No. 73400—Rheostat control attachment (for use with endoscope or anoscope illumination system)

No. 38700—Fiber optic light carrier for use with 73500, 73560, or 73210

No. 38300—2.5v Incandescent light carrier (for use with 70000, 70500, 70700, 71500, 74910, and 70720)

No. 34000—Rectal probe
Length—7-1/2" (19 cm)

No. 34010—Rectal hook
Length—7-1/2" (19 cm)

No. 30130—30 cm suction tube (standard)
No. 30140—40 cm suction tube (for use with any standard suction unit)

*Export Ordering Example: No. 73325—Denmark—220v
3.5v Halogen Illumination Systems

- **No. 73500**—Halogen 3.5v handle adapter fits any 3.5v power source: 71000 A handle, 71670 desk charger handles, and 74710 wall transformer.
- **No. 36019**—Fiber optic light head for No. 53130 Disposable Endoscopes or No. 53110 Disposable Anoscopes.
- **No. 38700**—Fiber optic light carrier for use with Standard Anoscopes (38 series).
- **No. 03100**—Halogen replacement lamp for No. 73500 (see page 44 for actual lamp size).

6v Halogen Illumination Systems

- **No. 73210**—Light handle with 3 ft. cord.
- **No. 73305**—Transformer with 5 ft. cord, 110-130v, 60 Hz, UL listed, CSA certified.
- **No. 73325**—Same, but export (specify country and voltage)* conforms to IEC-601-1, 220-250v, 50/60 Hz.
- **No. 36019**—Fiber optic light head for No. 53130 Disposable Endoscopes or No. 53110 Disposable Anoscopes.
- **No. 38700**—Fiber optic light carrier for use with Standard Anoscopes.
- **No. 07800**—Halogen replacement lamp for No. 73210 (see page 47 for actual lamp size).

*Export Ordering Example: No. 73325—Malaysia—250v
Laryngoscope Use and Procedure

The use of a Welch Allyn laryngoscope as an aid to intubation makes the procedure safer and more efficient and allows rapid insertion of the endotracheal tube before contact contraction occurs. A light source should always be used to visualize the larynx because available room light is often inadequate, even with large animals. Welch Allyn laryngoscopes provide a direct source of bright white light, and—in our fiber optic blades—cool distal illumination.

For brachycephalic canine breeds, small dogs, puppies, cats, rabbits, and skunks, the use of a laryngoscope is highly recommended because it is not feasible to use finger palpation technique in many of these patients. (If a finger is used to depress the epiglottis, care must be taken to avoid a bite from the reflex closing of the anesthetized animal’s mouth.)

The curved MacIntosh and Miller blades are especially effective in lifting the patient’s epiglottis upward. The tongue can then be pushed aside with the vertical portion of the blade, which is designed for this purpose.

Fiber Optic Laryngoscope Blades

- **Fiber optic illumination** for cool light.
- **Removable fiber optic light pipe** for easy cleaning and instant replacement.
- **Durable** with safe, one-piece stainless steel construction that is fully autoclavable.
- **Wireless blades** eliminate electrical contact.
- **Wide range of styles and sizes.**

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Size</th>
<th>Overall Length</th>
<th>Inside Base To Tip</th>
</tr>
</thead>
<tbody>
<tr>
<td>69061</td>
<td>1</td>
<td>89 mm</td>
<td>63 mm</td>
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<tr>
<td>69062</td>
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<td>108 mm</td>
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<tr>
<td>69063</td>
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<td>101 mm</td>
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<tr>
<td>69064</td>
<td>4</td>
<td>160 mm</td>
<td>135 mm</td>
</tr>
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</table>

No. 69696—Complete set of MacIntosh Laryngoscope Blades with medium and small handles, in compact zipper case No. 05691.
Endoscopy

Fiber Optic Laryngoscopes

<table>
<thead>
<tr>
<th>Miller</th>
<th>Catalog No.</th>
<th>Size</th>
<th>Inside Vert. Measurement</th>
<th>Inside Base To Tip</th>
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<tr>
<td>68065</td>
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<tr>
<td>68064</td>
<td>4</td>
<td>13 mm</td>
<td>182 mm</td>
<td></td>
</tr>
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</table>

No. 68696—Complete set of Miller Laryngoscope Blades with medium and small handles, in compact zipper case No. 05681.

The light output of the fiber optic bundles may degrade after about 1,000 sterilizations. Fiber optic bundles may be easily removed and returned to Welch Allyn for repolishing to restore light output.

Laryngoscope Handles for Fiber Optic Blades

- Halogen light for true tissue color and consistent, long-lasting illumination.
- Choice of AA alkaline or C-size battery.
- Universal lamp will fit both Welch Allyn fiber optic laryngoscope handles.
- Knurled finish for sure grip.

No. 60813—C-size batteries
No. 60814—AA-size batteries
No. 06000—Halogen replacement lamp (see page 47 for actual lamp size)
Miller Stainless Steel Laryngoscope Blades

- Featuring one-piece construction

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Blade Size</th>
<th>Inside Vertical Measurement</th>
<th>Length Inside Neck to Tip</th>
<th>Replacement Lamp*</th>
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<tbody>
<tr>
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<td>68044</td>
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MacIntosh Stainless Steel Laryngoscope Blades

- Featuring one-piece construction

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Blade Size</th>
<th>Overall Length</th>
<th>Length Inside Neck to Tip</th>
<th>Replacement Lamp*</th>
</tr>
</thead>
<tbody>
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<td>69044</td>
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Flagg Stainless Steel Laryngoscope Blades

<table>
<thead>
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</thead>
<tbody>
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<td>63482</td>
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<td>04800</td>
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<td>63483</td>
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<td>13 mm</td>
<td>135 mm</td>
<td>04800</td>
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<tr>
<td>63484</td>
<td>4</td>
<td>13.5 mm</td>
<td>165 mm</td>
<td>04800</td>
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</table>

Guedel Stainless Steel Laryngoscope Blades

<table>
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<th>Replacement Lamp*</th>
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</thead>
<tbody>
<tr>
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<td>66484</td>
<td>4</td>
<td>19 mm</td>
<td>165 mm</td>
<td>04800</td>
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Wisconsin Stainless Steel Laryngoscope Blades

<table>
<thead>
<tr>
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<th>Blade Size</th>
<th>Inside Vertical Measure at &quot;A&quot;</th>
<th>Inside Vertical Measure at &quot;B&quot;</th>
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<th>Replacement Lamp*</th>
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<tbody>
<tr>
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<tr>
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<td>14 mm</td>
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<td>165 mm</td>
<td>04800</td>
</tr>
</tbody>
</table>

*See page 46 for actual lamp size.
Standard and Expendable Laryngoscopes

**KleenSpec® Expendable Laryngoscopes**

These battery-powered KleenSpec expendable laryngoscopes are designed for single use. The reusable light source inserts in the handle. After use, remove the light source and discard the blade and handle. A clean, new laryngoscope is always ready for instant use.

- Clear plastic light guide in blade for ample flood of light near distal end.
- Expendable for economy, safety, and convenience.
- One-piece construction for strength and reliability.

**Two Sizes:**
- Small: 7.75 mm length x 18.2 mm blade width
- Large: 123 mm length x 25.7 mm blade width

**No. 56901**—Expendable laryngoscopes, small size; 10 blades per box (sold to distributors in box quantity only)

**No. 56903**—Expendable laryngoscopes, large size; 10 blades per box (sold to distributors in box quantity only)

**No. 60500**—Permanent light source

**No. 69090**—Complete kit (large and small blades, illuminator, batteries, case)

**No. 03600**—Vacuum replacement lamp for No. 60500 (see page 45 for actual lamp size)
Monitoring
The SureTemp® 986 Electronic Thermometers

Now you can get accurate rectal temperature readings in about 15 seconds with the new SureTemp 986 electronic thermometer. That’s 10 times faster than conventional glass thermometers and twice as fast as other electronic units!

Compact, affordable, and extremely reliable, the SureTemp 986 makes your job easier and more efficient while at the same time making temperature measurement less traumatic for your patients.

- Accurate rectal readings in just 15 seconds.
- Uses traditional thermistor technology.
- Convenient hand-held, go-anywhere design.
- Oversized LCD screen for easy viewing.
- Rugged, lightweight ABS plastic molded case.
- Takes 3,000 temperatures on a single set of AAA batteries.

No. 01986-300—SureTemp® hand-held thermometer, Fahrenheit (includes 4 ft. rectal probe cord and 25 probe covers)
No. 01986-900—SureTemp® hand-held thermometer, Celsius (includes 4 ft. rectal probe cord and 25 probe covers)
No. 05031-101—Disposable probe covers (1,000 quantity)
No. 20500-250—Disposable probe covers (250 quantity)

### SureTemp® Thermometer Comparison Chart

<table>
<thead>
<tr>
<th>Feature</th>
<th>986 SureTemp®</th>
<th>679 SureTemp®</th>
<th>767 SureTemp®</th>
</tr>
</thead>
<tbody>
<tr>
<td>Probe Cover Storage</td>
<td>•</td>
<td>•</td>
<td></td>
</tr>
<tr>
<td>F/C Conversion</td>
<td>•</td>
<td>•</td>
<td>•</td>
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<tr>
<td>Last Temp Recall</td>
<td>•</td>
<td>•</td>
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<td>Monitor Mode</td>
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<tr>
<td>Peak Hold Mode</td>
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<td>•</td>
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<tr>
<td>Detachable Probe</td>
<td>•</td>
<td></td>
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<tr>
<td>Oral/Axillary/Rectal Modes on Each Thermometer</td>
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<td></td>
</tr>
<tr>
<td>Oral/Axillary Modes Only on Each Thermometer</td>
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<tr>
<td>Wall Holder Standard</td>
<td>Optional</td>
<td>Integrated Wall System</td>
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<tr>
<td>Timer</td>
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<tr>
<td>Backlight</td>
<td></td>
<td></td>
<td>•</td>
</tr>
<tr>
<td>Security (Mechanical)</td>
<td></td>
<td>Integrated Wall System</td>
<td></td>
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<tr>
<td>Warranty</td>
<td>1 year limited</td>
<td>2 years limited</td>
<td>3 years limited</td>
</tr>
</tbody>
</table>

**NEW!** 15-second thermometer

**s11997b  2/28/00  12:57 PM  Page 35**
SureTemp® 679 Electronic Rectal Thermometers

The SureTemp 679’s handheld design is convenient to carry from room to room. When set on an examination table, your hands are free to work with the patient while the large LCD is still easily read from a distance. The SureTemp 679 includes a wall-mount bracket and is available on an optional, mobile stand.

- **Rectal Probe** provides accurate temperature readings in about 15 seconds.
- **Backlit LCD Display** is anti-glare and easy-to-read in any lighting condition.
- **Temperature Recall Button** saves the previous temperature reading to aid in accurate charting.
- **Fahrenheit/Celsius Conversion**—temperatures can be taken and displayed in either Fahrenheit or Celsius.

No. 01679-200V—SureTemp 679 Hand-Held Thermometer (includes rectal probe, batteries, 4 ft. [1.23 m] cord, 25 probe covers)
No. 01679-210V—SureTemp 679 Hand-Held Thermometer (includes rectal probe, batteries, 9 ft. [2.74 m] coiled cord, 25 probe covers)
No. 01679-700V—SureTemp 679 Hand-Held Thermometer on mobile stand—Completes (includes thermometer, batteries, 9 ft. [2.74 m] cord, mobile stand, 25 probe covers)
No. 05031-101—Disposable Probe Covers (1,000 quantity)
No. 02679-000—Additional Rectal Probe with 4 ft. [1.23 m] cord (model 679 and 767)
No. 02679-100—Additional Rectal Probe with 9 ft. (2.74 m) cord (model 679 and 767)
No. 06137-000—Calibration Key

SureTemp® 767 Wall-Mounted Thermometers

The SureTemp 767 Wall-Mounted Thermometer permanently attaches to the Welch Allyn 767 Wall Transformer. Combined with the Welch Allyn fiber optic otoscopes and ophthalmoscopes, the complete 767 System gives you three state-of-the-art diagnostic instruments within an arm’s reach.

- **Rectal Probe** provides accurate temperature readings in about 15 seconds.
- **Backlit LCD Display** is anti-glare and easy-to-read in any lighting condition.
- **Temperature Recall Button** saves the previous temperature reading to aid in accurate charting.
- **Fahrenheit/Celsius Conversion**—temperatures can be taken and displayed in either Fahrenheit or Celsius.
- **Pulse Timer**—audible tones at zero, 15, and 30 seconds.
- **Monitor Mode** allows continuous monitoring of temperature over time.

No. 01767-200V—SureTemp 767 Wall-Mounted Thermometer without backlit LCD (includes rectal probe with 9 ft. [2.74 m] cord and 50 probe covers)
No. 01767-600V—SureTemp 767 Wall-Mounted Thermometer with backlit LCD (includes rectal probe with 9 ft. [2.74 m] cord and 50 probe covers)
No. 05031-101—Disposable Probe Covers (1,000 quantity)
No. 02679-100—Additional Rectal Probe with 9 ft. (2.74 m) cord (model 679 and 767)
No. 06137-000—Calibration Key
Welch Allyn Meditron™ Electronic Stethoscope Systems

The Welch Allyn Meditron Electronic Stethoscope is a unique new listening system designed to dramatically enhance sound clarity. The system’s patented sensor technology picks up body sounds without sending a signal or energy into the subject's body, ensuring unmatched purity of sound. The bottom line: with Meditron you hear more, and more accurately.

Also, the Meditron System’s advanced PC-based software captures sounds as Microsoft® wav files, which can be stored, called up later, or even e-mailed. The sound files can also be viewed as charts and graphs, allowing you to visually compare your patients’ condition and progress over time.

- A sensor-based electronic stethoscope, combining breakthrough acoustic technology with the power of a computer.
- Patented acoustic technology from Meditron AS ensures unmatched sound capture and quality.
- Sounds distributor for educational settings or group listening.
- PC-based software for recording, analysis, and sound- and image-based file distribution for future review.

No. 5079-400V—Meditron Electronic Stethoscope (25” pack)
No. 5079-401—Distributor (multi-listening device)
No. 5079-402—Analyzer (software package for downloading files to a PC)

Accessories
No. 5079-412—EarTips
No. 5079-413—Distributor cables

Patented sensor greatly reduces noise caused by fur or feather contact which is present with microphone models of electronic stethoscopes.

Your practice will benefit through:
- Consulting
- Documentation
- Teaching
- Client Education
Harvey DLX Double- and Triple-head Stethoscopes

The Harvey DLX Stethoscopes are designed to accentuate high-frequency heart sounds, murmurs, and ejection sounds. They are equipped with a bell to provide excellent response for low-frequency sounds, rumbles, and gallops.

- Latex free.
- Easy rotating chestpiece for quick head selection.
- Elite binaural spring assembly for optimal weight and durability.
- Soft and hard comfort sealing eartips to eliminate extraneous sounds.
- Triple head also features a corrugated diaphragm for general use.
- 10-year warranty.

<table>
<thead>
<tr>
<th>Color</th>
<th>DLX Double-head Part No.</th>
<th>DLX Triple-head Part No.</th>
</tr>
</thead>
<tbody>
<tr>
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<td>5079-321</td>
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<td>5079-322</td>
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<tr>
<td>Navy</td>
<td>5079-327</td>
<td>5079-323</td>
</tr>
<tr>
<td>Forest Green</td>
<td>5079-328</td>
<td>5079-324</td>
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Accessories and Parts

| No. 5079-108—Name tag                     |
| No. 5079-113—Hard Eartips X-large, pair  |
| No. 5079-66—Hard Eartips Large, pair     |

<table>
<thead>
<tr>
<th>Color</th>
<th>25” Tubing</th>
<th>Binaural/Spring Assembly</th>
<th>Comfort Sealing Eartips</th>
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</thead>
<tbody>
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<td>Black</td>
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</table>

Tubing Colors

[Black] [Burgundy] [Navy] [Forest Green]

Guidance in the Use of the Stethoscope

The stethoscope is one of the most useful diagnostic aids in clinical veterinary medicine. The importance of auscultation for the evaluation of cardiac and pulmonary disease cannot be overemphasized.

A stethoscope should consist of both a bell and a diaphragm. The bell allows listening to low-frequency sounds; whereas the diaphragm allows listening to a wider band of frequencies including the higher frequencies.

For cardiac evaluation, the mitral, pulmonic, aortic, and tricuspid valve areas should be auscultated for normal and abnormal heart sounds. For pulmonary evaluation, all areas of the chest cavity should be auscultated and particular attention should be given to any audible asymmetry.

Abdominal auscultation is also valuable to detect the presence or absence of bowel sounds.
Harvey Elite Stethoscopes

The Harvey Elite Stethoscope is lightweight and offers the user unexcelled comfort and portability. Over extended use, the stainless steel chestpiece and PVC latex free tubing enhance the durability while maintaining superior acoustical sensitivity.

- Latex free.
- Stainless steel, easy rotating chestpiece for quick head selection.
- Triple-leaf binaural spring assembly encased in polyurethane permits size adjustment while preventing breakage.
- Dual channel PVC tubing provides separate sound pathways to ear.
- Soft and hard comfort sealing eartips to eliminate extraneous sounds.
- 10-year warranty.

Harvey Elite Stethoscope 22”
No. 5079-122—Black (with accessory kit)
No. 5079-125—Black (with accessory kit)
No. 5079-271—Navy (with accessory kit)
No. 5079-270—Burgundy (with accessory kit)
No. 5079-284—Forest Green (with accessory kit)

Elite Accessory Kit
- Pediatric Diaphragm Assembly
- Pediatric Bell Ring
- One pair medium soft eartips
- One pair large hard eartips
- One pair extra large hard eartips
No. 5079-232—Black
No. 5079-280—Gray

Medallion Gift Stethoscopes

The Medallion Stethoscope combines quality characteristics standard on all Welch Allyn stethoscopes—quality materials, user comfort, and top performance—but enhanced with a new contemporary design.

- Latex free.
- Three interchangeable chestpieces (flat diaphragm, corrugated diaphragm, bell) offering a broad range of auscultation capabilities.
- Rotatable binaurals and a selection of eartips.
- 5-year warranty.

Medallion Gift Stethoscope
No. 5079-340—Black
No. 5079-343—Burgundy
No. 5079-342—Navy
No. 5079-344—Forest Green

Warranty

Any stethoscope that proves to be defective in material or workmanship within the warranty period will be repaired or replaced without charge upon receipt of the unit prepaid at Welch Allyn, Inc. Repair Department, 95 Old Shoals Road, Arden, NC 28704.

This warranty does not cover damage in shipment or failure caused by tampering, obvious carelessness, or abuse. Warranty service on these items available ONLY at Welch Allyn, Inc. Repair Department, 95 Old Shoals Road, Arden, NC 28704.
Professional Double-head and Single-head Stethoscopes

The full-range Professional Stethoscope is for the user who demands the best in auscultation and comfort. The Professional’s superior acoustics mean accurate auscultation of heart, lung, and blood pressure sounds. The Professional Single-head version is for quality-conscious professionals who prefer the convenience of a single-head stethoscope while still maintaining excellent acoustics for taking blood pressure readings and general auscultation.

- Latex free.
- Stainless steel chestpiece.
- Binaurals adjust to angle of ear.
- Portable—easily slips into side pocket.
- Durable—5-year warranty.

Professional Stethoscopes

<table>
<thead>
<tr>
<th>Color</th>
<th>Double-head Part No. 28&quot; (71.1 cm)</th>
<th>23&quot; (58.4 cm)</th>
<th>Single-head Part No. 28&quot; (71.1 cm)</th>
<th>23&quot; (58.4 cm)</th>
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<td>5079-155</td>
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<td>5079-136</td>
<td>5079-131</td>
<td>5079-156</td>
<td>5079-151</td>
</tr>
</tbody>
</table>

Tubing Colors

- Black
- Burgundy
- Navy
- Forest Green
- Blue
- Gray

Tycos® TR-2 Hand Aneroid Sphygmomanometers

Lightweight and compact, the Tycos TR-2 Hand Aneroid provides portability in an affordably priced, handheld design. The trigger-release air valve is positioned for optimal left- or right-handed use, and allows for easy finger tip control of cuff deflation—crucial for accurate measurements.

- Latex free.
- Large easy-to-read dial face.
- Trigger deflation valve for smooth one-finger control of pressure deflation.
- Balanced palm design for comfortable use over repeated measurements.
- 5-year warranty.

No. 5098-70—TR-2 Hand Aneroid with Adult Cuff in zippered case
No. 5098-71—TR-2 Hand Aneroid with Large Adult Cuff in zippered case
No. 5098-72—TR-2 Hand Aneroid with Small Cuff in zippered case
No. 5098-74—TR-2 Hand Aneroid Gauge and Bulb only
No. 5098-73—TR-2 Hand Aneroid Multi-Cuff Kit with Adult, Large, and Small Cuff in zippered case
Lamp & Battery Replacement
## Lamp Replacement

<table>
<thead>
<tr>
<th>Lamp Number</th>
<th>Lamp-Actual Size</th>
<th>Current Instruments</th>
<th>Obsolete Instruments</th>
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<tbody>
<tr>
<td>00200</td>
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<td>Otoscopes</td>
<td>Otoscopes</td>
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<td></td>
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<td>Illuminators, Transilluminators</td>
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<td>41000</td>
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<tr>
<td>00600</td>
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**Welch Allyn Lamps Policy**

Welch Allyn instruments are completely engineered from the source of illumination to the instrument’s usage. A change in this sequence reduces product effectiveness. Lamp manufacture is a very critical part of this system; therefore, we recommend that you use only genuine Welch Allyn lamps.
<table>
<thead>
<tr>
<th>Lamp Number</th>
<th>Lamp-Actual Size</th>
<th>Current Instruments</th>
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<tbody>
<tr>
<td>01100</td>
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<td>02000</td>
<td><img src="image4" alt="Image" /></td>
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<td>02200</td>
<td><img src="image5" alt="Image" /></td>
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## Lamp Replacement

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<td>3.5v Handle Adapter</td>
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## Lamp Replacement

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<td>60803  60804</td>
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**Battery Series**

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