

## EYE & EAR CARE INSTRUMENTS

### 94 **Audiology**

*Our line of affordable and reliable Evoked Otoacoustic Emissions (EOAE), audiometry, and tympanometry products allows healthcare professionals to perform audiologic screening and make diagnoses easily and reliably.*

### 98 **Ear Care**

*The Welch Allyn Ear Wash System provides a safe and effective way to remove cerumen from the ears of patients of all ages. For in-depth information including interactive demos, go to [www.earwash.welchallyn.com](http://www.earwash.welchallyn.com) to visit our Ear Wash System website.*

### 99 **Ophthalmoscope Heads — Specialist**

*The Welch Allyn Coaxial Vision System makes learning ophthalmoscopy easier.*

### 101 **Ophthalmoscopes — Indirect**

*The Welch Allyn Binocular Indirect Ophthalmoscope is truly the most advanced BIO available. It offers state-of-the-art, convenient features along with a lightweight, comfortable fit and increased stability.*

### 103 **Portable Autorefractors**

*Our child-friendly, portable autorefractor lets you test patients — including young children and adults — anytime, anywhere.*

### 104 **Retinoscope Heads**

*The Welch Allyn HPX Retinoscopes offer superior illumination for faster and easier refractions.*

### 105 **Sets — Ophthalmic Diagnostic**

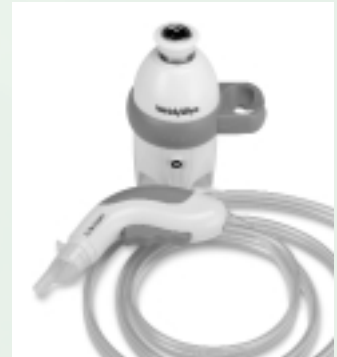
*When Welch Allyn introduced the world's first hand-held, direct-illuminating ophthalmoscope in 1915, we elevated eye care to new heights. Today, that same commitment to excellence can be seen in the industry's most trusted line of eye care instruments.*

### 106 **Vision Screening**

*You can easily screen for common vision problems, including the leading cause of childhood monocular blindness, when they are still preventable. The SureSight Vision Screener automatically measures and indicates abnormal readings — no provider interpretation is required.*

### 108 **Visual Field Instruments**

*The first visual field instrument that's simple enough, fast enough, and compact enough to be used even in pre-test.*



## AudioScope® 3 Screening Audiometer/Otoscope

*When flexibility is the question, Welch Allyn has the answer.*

With AudioScope® 3 you can screen your patients quickly and accurately — and with more flexibility. It's a simple procedure that takes only seconds. Because AudioScope® 3 has 20, 25, and 40 dB HL levels in one unit, you can screen all of your patients with a single instrument. And the tones are presented at random intervals so your patients can't second guess their hearing screen.

### Features

- Uses halogen light and fiber optics for brilliant view of the tympanic membrane and ear canal before and during hearing screening.
- Offers choice of 3 screening levels — 20 dB HL, 25 dB HL, and 40 dB HL — at 500, 1000, 2000, and 4000 Hz to suit all ages.
- Has a built-in 1000 Hz pretone, so your patients can “practice” listening before they're screened.
- Tones are presented at random intervals for objectivity.
- Lightweight and hand-held for complete portability.
- Unique eartip design eliminates the need for headphones.
- Rechargeable, and always ready for use.

### Model Numbers

- 92600\*: AudioScope® 3 Set (AudioScope 3, set of AudioSpecs, 110-130v charging transformer, recording forms)  
 92680\*: AudioScope® 3, Complete (AudioScope 3, set of AudioSpecs, 110-130v charging transformer, charging stand, recording forms)  
 23300\*: AudioScope® 3 with AudioSpecs (Handle Only)

### Accessory Numbers

- 71123: 3.5v AudioScope® 3 Charging Stand  
 71040\*: Charging transformer only  
 05232: Soft Carrying Case  
 23303: Small AudioSpec® Speculum for AudioScope®  
 23305: Medium AudioSpec® Speculum for AudioScope®  
 23307: Large AudioSpec® Speculum for AudioScope®  
 23400: Set of 3 AudioSpec® Specula for AudioScope® (Small, Medium, Large)  
 72300: Replacement Ni-Cad Rechargeable Battery (Orange) for 71000-A  
 55230: AudioScope® Recording Forms (100/pkg, 10 pkg/box)  
 06200: 3.5v Halogen Lamp

### Warranty

1-year warranty extendable to 3 years with paid annual calibration.

### Approvals

ANSI S3.6 1969 (R1973) Standard for Audiometers; IEC 645-1979 Standard for Audiometers; ETL Listed: UL 2601, CSA C22.2 No. 601-1, IEC 601-1; EN 60601-1-2.

### Patents

U.S. Patent Nos. 4,380,998; 4,567,881; 4,688,582; and international patents.

\*For appropriate product number outside of U.S.A., please advise country and voltage required when ordering.



AudioScope 3



## AM 232™ Manual Audiometer

*Welch Allyn brings precision audiometry to the table.*

There's no question that hand-held audiometers are important screening tools. Welch Allyn's AM 232™ Manual Audiometer brings audiometric testing capabilities to a new level — affordably.

### Features

- Allows quantifying hearing loss related to otitis media, ototoxic drugs, presbycusis, or any of the many factors that affect hearing.
- Obtains the precise threshold of patients' hearing to better identify specific patterns of hearing loss.
- Enables testing in a full range of frequencies and intensity levels with steady, frequency-modulated, and pulsed stimulus modes.
- Test frequency values are easily visible at the dial.
- Displays HL levels in large, easy-to-see numbers on the LCD.
- Silent-functioning front panel controls prevent patient cueing; removable cover functions as a screen between the operator and subject.
- Sleek, ergonomic design for easy room-to-room portability; takes up minimal counter space.
- Microprocessor-based technology assures years of dependable service.

### Model Numbers

- 23200\*: AM 232™ Manual Audiometer with AC Power
- 23210\*: AM 232™ Manual Audiometer with AC and Rechargeable Battery

### Accessory Numbers

- 23220: Response Handswitch
- 23221: Patch Cord
- 23222: Earphone Sound Enclosures
- 23223: Replacement Headset (THD 39) (Calibration with unit required)
- 52300: Audiogram form (1 pad of 50, 10 pads per case)
- 72320: Rechargeable Battery Pack Only
- 72329: Complete Battery Pack Assembly with Rechargeable Batteries

### Warranty

1-year warranty.

### Approvals

ANSI S3.6 and IEC 645 Type 4 Audiometer Standards; UL 544 Electrical Standards.

\*For appropriate product number outside of U.S.A., please advise country and voltage required when ordering.



AM 232 Manual Audiometer



# MicroTym<sup>®</sup> 2 Portable Tympanometric Instrument

*The fastest, the easiest, the most complete data from a portable tympanometric instrument.*

Diagnosing chronic otitis media is often a difficult task. But the delivery of sound and air pressure to the ear, precisely measured by advanced microelectronic components, brings otitis media into sharp focus. Welch Allyn's MicroTym<sup>®</sup> 2 tympanometry instrument produces an accurate, objective measurement of middle ear status. It also helps detect perforated tympanic membrane, patent tympanostomy tube, ossicular disruption, tympanosclerosis, and cholesteatoma.

## Features

- Takes only one second to test and five seconds to print out the results.
- Objective results ensure accurate diagnosis, referrals, monitoring, and easier consultations with parents.
- Word prompts guide operator through the middle ear testing.
- Results can be viewed in a tympanogram, numerical form, or interpretive messages.
- Instant LCD tympanogram allows the operator to view test results before printing.
- Lightweight and hand-held for complete portability.
- Color-coded tips come in four sizes to fit any ear size.

## Model Numbers

- 93670\*: MicroTym<sup>®</sup> 2 Set with Charging Stand
- 93690\*: MicroTym<sup>®</sup> 2 Set with Charging Stand and Printer

## Accessory Numbers

- 23640: MicroTym<sup>®</sup> 2 Handle Only with 2 Sets of Probe Tips
- 23621: Small MicroTym<sup>®</sup> Probe Tip (White)
- 23622: Medium MicroTym<sup>®</sup> Probe Tip (Black)
- 23623: Large MicroTym<sup>®</sup> Probe Tip (Gray)
- 23624: Extra Large MicroTym<sup>®</sup> Probe Tip (Blue)
- 23630: Set of MicroTym<sup>®</sup> Tips (four color-coded sizes)
- 23639: Multi-Pack of MicroTym<sup>®</sup> Probe Tips (5 small, 10 medium, 10 large, 5 x-large)
- 56100: Thermal Paper (5 rolls)
- 71170: MicroTym<sup>®</sup> 2 Portable Tympanometric Instrument Printer/Charger
- 72900: 2.4v Nickel-Cadmium Rechargeable Battery for MicroTym<sup>®</sup> 2
- 05276: Carrying Case for MicroTym<sup>®</sup> 2

## Warranty

1-year warranty extendable to 3 years with paid annual calibration.

## Approvals

UL 2601; CAN/CSA C22.2 No. 601.1; IEC 601-1; EN 60601-1-2; FCC Part 15, Class A; CBC C108.8 M1983, Class A; ANSI S.39-1987, IEC 1027: 1991.

## Patents

U.S. Patent No. 4,688,582; 5,383,097

\*For appropriate product number outside of U.S.A., please advise country and voltage required when ordering.



MicroTym 2 Portable Tympanometric Instrument



MicroTym Tips

# TM 262™ AutoTymp®

*Today's most versatile tympanometric instrument.*

The Welch Allyn TM 262™ AutoTymp® offers tympanometry and ipsilateral acoustic reflex testing, with optional manual audiometry in one convenient, compact design. The TM 262 AutoTymp gives users more options and more data, for more complete diagnoses and documentation.

## Features

- Three-in-one instrument with built-in display and printer saves space and the expense of buying separate units.
- Provides an easy tympanometric seal via a lightweight, hand-held probe.
- LEDs give step-by-step accounts of test status, indicating proper ear seal, test mode, and test completion.
- Test-parameter flexibility lets user decide how to run tests.
- Convenient memory capacity stores up to eight test results instantly.
- Printout flexibility allows the user to print individual test results or a complete battery, eliminating the need for note taking.
- Has a built-in calibration check and optional audiometry and RS-232 port to download patient data into PC.

## Model Numbers

26230\*: TM 262™ AutoTymp® with IPSI Reflex Testing and Audiometer

26230-RS\*: TM 262™ AutoTymp® with IPSI Reflex Testing, Audiometer, and RS-232 Interface Port

26200\*: TM 262™ AutoTymp® with IPSI Reflex Testing

26200-RS\*: TM 262™ AutoTymp® with IPSI Reflex Testing and RS-232 Interface Port

## Accessory Numbers

- 05260: Carrying Case for TM 262™
- 23220: Response Handswitch
- 23222: Earphone Sound Enclosures
- 23223: Replacement Headset (THD 39) (Calibration with unit required)
- 26100: Eartips for TM 262™, six sizes, 2 each
- 26240: Dust Cover for TM 262™
- 26241: Test Cavity for TM 262™
- 26008: Eartips for TM 262™, 8 mm, 1 box of 25
- 26011: Eartips for TM 262™, 11 mm, 1 box of 25
- 26013: Eartips for TM 262™, 13 mm, 1 box of 25
- 26015: Eartips for TM 262™, 15 mm, 1 box of 25
- 26017: Eartips for TM 262™, 17 mm, 1 box of 25
- 26019: Eartips for TM 262™, 19 mm, 1 box of 25
- 52600: TM 262™ Printer Paper
- 26242: RS-232 Interface (26200 only)

## Approvals

ANSI S3.39-1987, Aural Acoustic Impedance/Admittance Standard (Type 3); ANSI S3.6-1989 Audiometric Standard (Type 4); Electromedical Equipment Warnock Hersey Listed; UL 544; Standard for Safety; ETL Listed.

\*For appropriate product number outside of U.S.A., please advise country and voltage required when ordering.



TM 262 AutoTymp



## Ear Wash System

*An easy-to-afford, easy-to-use ear irrigation system to remove cerumen without the mess.*

Ear washing is one of the most commonly performed procedures in the primary care office. The Welch Allyn Ear Wash System provides a safe and effective way to remove cerumen from patients of all ages. This method of irrigation is much cleaner and safer than other irrigation methods currently on the market. Since it is easy to use with built-in safety and simplicity, it is able to be used by any healthcare professional within your facility.

### Features

- Simplicity of operation — quick and easy set up.
- Pressure regulation — regulates the output pressure to prevent damage to the tympanic membrane or ossicular chain.
- Temperature indicator/control — light will turn green when the water is at body temperature, and will automatically turn off if the water gets too hot.
- Suctioning action to reduce messy “outflow”.
- Multi-functional disposable tip provides a seal at the ear canal. It has an outflow channel to direct water back to the drain, and a filter in the tip collects the cerumen, allowing the practitioner to see when the cleaning is complete. The tips can be used on children and adults.
- Portability — can be moved from room to room easily or transported off-site if necessary. All necessary components store easily in the storage tray.
- Affordable.

### Model Number

29300\*: Welch Allyn Ear Wash System

### Accessory Numbers

29360: Eartips for Ear Wash System (case of 4 boxes or 100 eartips)

29330: Ear Wash System — Tubing

29371: Aerator Adapter Kit (includes snap aerator and 3 adapters)

29355: International Aerator Adapter Kit

### Warranty

1 year warranty.

### Patents

Patent pending.

\*For appropriate product number outside of U.S.A., please advise language preference and country. Languages offered are English, French, Italian, German, Spanish, Portuguese, Chinese, and Dutch.



Best Ear Cleaning Solution



Easy To Use

## Prestige Coaxial-Plus Ophthalmoscope

*The most prestigious instrument for superior eye care.*

When Welch Allyn designed the world's first directly illuminated, hand-held ophthalmoscope in 1915, we began a tradition of bringing superior ophthalmic technology to eye care professionals worldwide. In keeping with that tradition, Welch Allyn now introduces the prestigious 3.5v Coaxial-Plus Ophthalmoscope. With its newly designed precision optics, the Coaxial-Plus Ophthalmoscope provides an easy entry into an undilated pupil — leading to more accurate diagnoses. What's more, it also offers two new filter selections that provide optimum light levels for entering healthy eyes and those with cataracts. All this, plus the knowledge and experience of the industry leader: Welch Allyn.

### Features

- The Coaxial-Plus Optical System enables easy entry into undilated pupils through precise lamp filament and optical alignment.
- The neutral filter provides the ideal amount of Halogen HPX™ light for entering healthy eyes without unwanted reflex.
- The opacity setting provides the brightest Halogen HPX™ light for easy entry into eyes with cataract or other media opacity.
- The ophthalmoscope offers 68 lenses, an extensive range of focus for optimum precision.

### Model Number

11735: Prestige Coaxial-Plus Ophthalmoscope (Head Only)

### Accessory Numbers

71000-A\*: 3.5v Direct Plug-in Rechargeable Handle

71000-C\*: 3.5v Convertible Rechargeable Handle

71900: 3.5v Lithium Ion Smart Handle with Removable AC Adapter

04900: 3.5v Halogen Lamp

### Warranty

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.

### Patents

U.S. Patent Nos. 4,526,449; 4,643,546; 4,998,818; and international patents.

\*For appropriate product number outside of U.S.A., please advise country and voltage required when ordering.



3.5v Prestige Coaxial-Plus Ophthalmoscope

## 3.5v AutoStep® Coaxial Ophthalmoscope

*Patented coaxial optics, Halogen HPX™ illumination, and 68 focusing lenses combine for premium quality.*

### Features

- The Welch Allyn AutoStep® Coaxial Ophthalmoscope uses a Halogen HPX™ lamp that provides 30% more light output, for true tissue color and consistent, long-lasting illumination.
- Its 68 lenses in one diopter steps provide better resolution.
- 6 apertures for general and specialist use.
- Rubber brow rest prevents scratching of eyeglasses.
- Illuminated lens dial clearly identifies settings.
- Coaxial optical system produces shadow-free spot and easier entry into undilated pupils.
- Crossed-linear polarizing filter reduces corneal reflection.
- Red-free filter may be used with any aperture.
- 18 possible aperture combinations provide greater versatility, and the sealed optics provide better dust protection.

### Model Number

11730: 3.5v AutoStep® Coaxial Ophthalmoscope Head Only

### Accessory Numbers

71000-A\*: 3.5v Direct Plug-in Rechargeable Handle  
 71000-C\*: 3.5v Convertible Rechargeable Handle  
 71900: 3.5v Lithium Ion Smart Handle with Removable AC Adapter  
 04900: 3.5v Halogen Lamp

### Warranty

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.

### Patents

U.S. Patent Nos. 4,526,449; 4,643,546; 4,998,818; and international patents.

\*For appropriate product number outside of U.S.A., please advise country and voltage required when ordering.



3.5v AutoStep Coaxial Ophthalmoscope



## Binocular Indirect Ophthalmoscopes

*The top of a superior line of ophthalmic instruments.*

The Welch Allyn BIO is designed to achieve precise binocular viewing and stereopsis easier than ever before. Its observation paths can be adjusted from 48 mm to 74 mm to handle the widest and narrowest interpupillary distances.

### Features

- **Optical System:** Video-aligned optical system ensures precise positioning of components for easy viewing.
- **Comfort:** A headband with well-padded leather and swooped designed combined with ergonomically designed controls provide comfort and simple operation.
- **Convergence Control:** Illumination and visual pathways can be synchronized for excellent visualization and true small pupil capability (down to 2 mm).
- **Sealed Optics:** Vital optics and mirror assemblies are sealed against dirt and dust for long-term clear viewing and durability.
- **Wide-Range IPD Control:** Adjusts to handle interpupillary distances of 49 mm to 74 mm — the widest range available in a BIO.
- **Diffuser Filter:** Broadens the illumination beam for enhanced viewing of the peripheral retina.
- **Flexible Power Sources:** Choose from two power supply sources — our portable power source or the versatile wall/desk power source.

### Model Numbers

- 12500: Binocular Indirect Ophthalmoscope  
 12500-D: Binocular Indirect Ophthalmoscope with Diffuser Filter  
 12500-Y: Binocular Indirect Ophthalmoscope with Yellow Filter  
 12500-DY: Binocular Indirect Ophthalmoscope with Diffuser and Yellow Filter

### Accessory Numbers

- 05120: Soft Carrying Case for BIO  
 12550: Teaching Mirror  
 12551: Voltage Adapter  
 12060: Scleral Depressor  
 73300: Extension Cord, 8 ft.  
 74350\*: Wall/Desk Power Source for BIO  
 74360\*: Portable Power Source for BIO  
 01200: BIO Halogen Lamp

### Warranty

10-year instrument and 5-year headband warranty.

### Approvals

Conforms to UL 2601-1; CAN/CSA C22.2 No. 601-1; EN 60601-1; EN 60601-1-2; IEC 60601-1; IEC 60601-1-2; AS 3200.1; CE.

\*For appropriate product number outside of U.S.A., please advise country and voltage required when ordering.



*Binocular Indirect Ophthalmoscope*



*Wall/Desk Power Source*

## Binocular Indirect Ophthalmoscope Power Source

*Providing power to the top of a superior line of ophthalmic instruments.*

The Binocular Indirect Ophthalmoscope Charger provides power to the top of a superior line of ophthalmic instruments. The versatile wall/desk power source can be used on a desk, a wall, or on the side of a desk—and wherever you place it. The portable power pack provides the power no matter where your exams take place.

### Features

- Versatile all-purpose power source, use on a desk, wall, or side of desk (Model 74350).
- Provides condensing lens storage (Model 74350).
- The portable power pack allows the BIO to go wherever exams take place (Model 74360).
- Provides up to 60 minutes of continuous on-time and simple plug-in transformer recharging (Model 74360).
- The portable power pack can be used with recharging transformer for extended use.
- The indicator lights display power on, low power, and recharging (Model 74360).

### Model Numbers

74350\*: Wall/Desk Power Source for BIO

74360\*: Portable Power Source for BIO

\*For appropriate product number outside of U.S.A., please advise country and voltage required when ordering.



*Binocular Indirect Ophthalmoscope Wall/Desk Power Source*



*Binocular Indirect Ophthalmoscope Portable Power Source*

## SureSight™ Autorefractor

*The child-friendly autorefractor that's portable, affordable, and takes just seconds.*

SureSight™ is the child-friendly, portable autorefractor that lets you test patients — including young children and adults — anytime, anywhere. You can perform objective refraction from a non-threatening 14 inches (35 cm) away — even through glasses and contact lenses. The unit's flashing lights and sounds engage the patient throughout the exam. No cycloplegic drops to contend with. Just fast, easy refractions.

### Features

- One-button touch starts automatic, sequential test of both eyes.
- Provides complete refractive data including sphere, cylinder, and axis.
- Operates at a non-threatening 14-inch (35 cm) distance.
- Lights and sounds engage the patient's attention.
- Requires minimal cooperation, making it ideal for use on young children, the disabled, and when there is a language barrier.
- Compact, lightweight unit can be easily carried anywhere you need it.
- Battery operated printer receives results wirelessly.

### Model Number

14010\*: SureSight™ Autorefractor with Printer, Stand, and Case (English)

### Accessory Numbers

53600A: Printer Paper (1 Roll)

72420: Lithium-Ion Battery

### Technical Specifications

**Data Acquisition:** Measures and averages 5 to 8 readings/eye

**Measurement Range:** Sphere +6.0 to -5.0 diopters. Cylinder ±3 diopters

**Weight:** 2.0 lbs (0.9 Kg)

**Working Distance:** 14 inches (35 cm)

**Data Acquisition Time:** 2.4 s/eye

**Battery Life:** More than 3 hours of continuous usage

**Low-battery Indicator:** Indicates ~ 15 minutes usage remains

**Technology:** Welch Allyn proprietary Hartmann Shack autorefractor hardware/algorithm

### Warranty

1-year warranty.

### Patents

U.S. Patent Nos. 6,007,202; D413,979; and international patents pending.

\*For appropriate product number outside of U.S.A., please advise country and voltage required when ordering.



*The SureSight Autorefractor — Easy to Learn, Easy to Use*



*Overcome the Challenge of Refracting Your Younger Patients*



*SureSight Even Over-Refracts Through Glasses and Corrective Lenses*

**WelchAllyn®**

www.welchallyn.com

## 3.5v Retinoscopes

*Superior illumination, the right design for accurate refraction.*

The 3.5v Retinoscope which provides superior illumination, is the right design for accurate refraction. It has the unique quality of one-hand operation and the comfort of a rubber brow rest.

### Features

- External focusing sleeve is easy to grip and easy to manipulate.
- Crossed-linear polarizing filter eliminates glare from trial lenses for easier exams.
- Magnetic age-appropriate targets for dynamic retinoscopy.
- Allows easy one-hand operation for streak focus and 360° streak rotation.
- Interchangeable streak retinoscope can be converted to a spot retinoscope by simply changing the lamp.

### Model Numbers

- 18200: 3.5v Halogen HPX™ Streak Retinoscope
- 18235: 3.5v Halogen HPX™ Streak Retinoscope — Gold

### Accessory Numbers

- 71000-A\*: 3.5v Direct Plug-in Rechargeable Handle
- 71000-C\*: 3.5v Convertible Rechargeable Handle
- 71900: 3.5v Lithium Ion Smart Handle with Removable AC Adapter
- 18250: Fixation Card Set
- 08200: 3.5v Halogen HPX™ Streak Lamp
- 08300: 3.5v Spot Lamp

### Warranty

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.

### Patents

U.S. Patent Nos. 5,189,449; 5,200,772; 5,202,710; and international patents pending.

\*For appropriate product number outside of U.S.A., please advise country and voltage required when ordering.














3.5v Halogen Streak Retinoscope



18250 Fixation Card Set

# OPHTHALMIC DIAGNOSTIC SETS

Diagnostic Set Numbers	RETINOSCOPES		FIXATION CARDS	OPHTHALMOSCOPES					POWER HANDLES		CASES**
	 18200 or 18235 Streak	 18300 Spot	 18250	 11735	 11730	 11720	 11710	 11820	 71900	 71000 or 71000-C*	 Hard
18335-SM	■		■	■					■		■
18335	■		■	■						■	■
18330-SM	■		■		■				■		■
18330	■		■		■					■	■
18430		■	■		■					■	■
18320-PSM	■		■					■	■		■
18320-PC	■		■					■		■	■
18320-SM	■		■			■			■		■
18320	■		■			■				■	■
18220-P	■		■			■				■	
18420		■	■			■				■	■
18310	■		■				■			■	■
18410		■	■				■			■	■
11790					■					■	■
11770						■				■	■
11750							■			■	■
18340-SM	■		■						■		■
18440		■	■							■	■

**All sets available with power handles for export use.**

Please specify set number, country and voltage.

Export Ordering Example: 97100 - Germany - 220v

**\*Available with convertible handle.**

Please specify when ordering. Add "-C" to Diagnostic Set model number for convertible handle (accepts both NiCad rechargeable and alkaline C-cell batteries). Does not apply to -SM sets.

**\*\*Sets also available in soft case.**

If desired, specify by changing last numerical digit of set number to a "1".

Soft Case Ordering Example: 18331



## SureSight™ Vision Screener

*Finally, a child-friendly vision test that's automatic, objective, and takes just seconds.*

Vision disorders are one of the most prevalent health problems children have, and in pre-schoolers, the majority are undetected. Left untreated, these disorders often lead to amblyopia ("lazy eye") — the leading cause of monocular blindness in North Americans under 70. That's why Welch Allyn created SureSight™, the first objective, accurate vision test that ensures reliable early detection of refractive error, the primary vision disorder in children.

### Features

- Five-second, automatic test addresses compliance problems and makes testing easier.
- Lights and sounds engage the patient's attention.
- Automatically measures and indicates abnormal readings — no provider interpretation is required.
- Operates at a non-threatening 14-inch (35 cm) distance.
- Requires minimal cooperation, making it ideal for use on young children, the disabled, and when there is a language barrier.
- Screens for common vision problems, including near- and farsightedness (myopia/hyperopia), astigmatism (asymmetrical focus), and anisometropia (unequal power between eyes).

### Model Number

14000\*: SureSight™ Vision Screener (English)

### Accessory Numbers

14042: Thermal Printer  
 05140: Carrying Case  
 53600A: Printer Paper (1 Roll)  
 72420: Lithium-Ion Battery

### Technical Specifications

**Data Acquisition Time:** 2.4 s/eye  
**Data Acquisition:** Measures and averages 5 to 8 readings/eye  
**Weight:** 2.0 lbs (0.9 Kg)  
**Working Distance:** 14 inches (35 cm)  
**Battery Life:** More than 3 hours of continuous usage  
**Low-battery Indicator:** Indicates ~ 15 minutes usage remains  
**Technology:** Welch Allyn proprietary Hartmann Shack autorefractor hardware/algorithm

### Warranty

1-year warranty.

### Patents

U.S. Patent Nos. 6,007,202; D413,979; and international patents pending.

\*For appropriate product number outside of U.S.A., please advise country and voltage required when ordering.



*The Fast, Easy, SureSight™ Vision Screener*



*The Hand-Held SureSight™ Vision Screener Addresses Issues Experienced With Eye-Chart Acuity Screenings*



*Child-Friendly Design — Earlier Detection Leads to Easier Treatment*

# WelchAllyn®

www.welchallyn.com

## 3.5v StrabismoScope™ Unidirectional Occluder

*See Strabismus in a whole new light.*

Testing for Strabismus (ocular misalignment) should be a routine part of any child's healthcare program. With the StrabismoScope™ the testing just became easier. By simply turning on the StrabismoScope and placing it over the patient's eye, the examiner is able to observe the occluded eye directly, but the patient cannot see out. As a result, the examiner is able to detect the often subtle eye movements associated with Strabismus.

### Features

- Allows for efficient testing for both heterophorias (latent strabismus) and heterotropias (manifest strabismus) at the same time.
- User can view the movement of covered and uncovered eyes simultaneously.
- Its halogen light increases the ambient light on the patient's side and aids visualization by the practitioner.
- Educational teaching tool that offers a clear visual explanation to parents or medical students.
- Fits all Welch Allyn 3.5v power sources.

### Model Number

12400: StrabismoScope™ Unidirectional Occluder, Only

### Accessory Numbers

71000-A\*: 3.5v Direct Plug-in Rechargeable Handle  
 71000-C\*: 3.5v Convertible Rechargeable Handle  
 71900\*: 3.5v Lithium Ion Smart Handle with Removable AC Adapter  
 03000: 3.5v Halogen Lamp

### Warranty

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.

### Patents

U.S. Patent No. 4,903,706.

\*For appropriate product number outside of U.S.A., please advise country and voltage required when ordering.



3.5v StrabismoScope Unidirectional Occluder  
(Handle not Included)

## Humphrey FDT™

***FDT is a breakthrough in visual field testing that's so efficient it can be used in pre-test. Humphrey FDT is sold exclusively through Zeiss Humphrey Systems. For product information call 1-877-486-7473 or e-mail: info@humphrey.com***

Featuring patented Welch Allyn Frequency Doubling Technology, the Humphrey FDT provides visual field screening results in just 45 seconds per eye and full threshold results in just four minutes per eye. What's more, the FDT's results are statistically correlated to results from the Humphrey Field Analyzer—the clinical standard for accuracy in visual field testing.

### Features

- Quick and convenient testing: Simple 3-touch operation makes visual field testing quicker and easier than ever.
- Easy to use: Requires minimal set-up and training time. Virtually anyone can operate it.
- Portable and compact: The unit weighs only 19 pounds, making it perfect for use in pre-test as well.
- User-friendly: The super-efficient FDT unit operates without the need for a trial lens or eye patch and tests can be performed using normal room lighting.
- Built-in Printer: Comes complete with high-speed, high-resolution internal thermal printer.

### Model Number

00710-11: Humphrey FDT™ Visual Field Instrument

### Technical Specifications

**Stimulus:** Frequency doubled sinusoidal gratings (0.25 cpd; 25 Hz).  
**Fixation monitoring:** Heijl-Krakau fixation monitor.  
**Area of field tested:** Central 30 degrees.  
**Test strategies and patterns:** Supra-threshold C-20 screening; Full threshold; C-20 testing; Full threshold N-30 testing.  
**Analysis software:** Statistical global indices (MD and PSD). Probability levels and deviation plot based on age-related normative references.  
**Printer:** High-speed, high-resolution internal thermal printer.  
**Data storage, retrieval, and analysis:** RS-232 interface for an IBM-compatible PC.  
**Dimensions:** 10" (25 cm) wide x 19" (48 cm) x 17" (43 cm) high.

### Patents

U.S. Patent No. 5,065,767; Australian Patent No. 611,585. U.S. and international patents pending.



Visual Field Instrument



FDT is the Most Portable and User-friendly Automated Visual Field Instrument