



# Otoscopes and Ophthalmoscopes

# Keeler Oscopes and Ophthalmoscopes

## Optical perfection and lightweight, ergonomic design

A combination of optical perfection, superb ergonomics and versatile features make Keeler otoscopes and ophthalmoscopes the ideal choice.



## Key features

### • Patient friendly

With curved surfaces and subtle patient side marking, each ophthalmoscope has been designed to fit snugly into the orbital bone ensuring a patient friendly, non threatening instrument.

### • An Oscope to suit your needs

Keeler Oscopes range from the new 'go anywhere' Jazz Ultra pocket to the outstanding top of the range Fibre Optic Oscope all providing the best possible view.

### • Trust Keeler

Manufactured in the UK and built from resilient, lightweight materials, a Keeler instrument will give you many years of trouble free service and withstand the rigours of everyday use. So, whatever your requirement from basic examination to detailed diagnosis, Keeler has the instrument for you.













Keeler Ophthalmoscopes are now available with a LED light source, giving bright, white illumination and 3 x longer lasting battery life.



<b>Battery Life</b>	Battery will last 3 x longer with the LED light source than the existing filament bulb at maximum brightness before requiring a re-charge.
<b>Patch Quality</b>	Homogenous, sharp, clear patch.
<b>Colour Temperature</b>	3000K which equates to a neutral coloured patch.
<b>CRI</b>	High-CRI therefore colours are rendered more accurately.
<b>Electronics</b>	Uses the latest in LED technology.
<b>Compatibility</b>	The LED light source is compatible with the Practitioner and Standard Keeler Ophthalmoscope heads and the 3.6V lithium ion rechargeable handle and the 2.8V primary cell handle.

## Apertures, graticules and filters

-  **WIDE ANGLE** - Illuminates the largest area of fundus for the best general diagnosis through a dilated pupil.
-  **INTERMEDIATE** - Easier access through undilated pupils and in peripheral examination. Ideal for paediatric examination.
-  **MACULAR** - For examination of the macular region of the fundus where a larger beam would create excessive pupillary reaction or patient discomfort.
-  **SLIT** - To determine retinal elevations and depressions, can also be used to assess anterior chamber depth.
-  **GLAUCOMA** - Projects a graticule onto the retina to assess the optic cup/disc ratio as an aid to glaucoma diagnosis.
-  **FIXATION CROSS** - Projects a graticule onto the retina for assessment of the degree and direction of eccentric fixation.
-  **RED FREE AND FIXATION CROSS** - For vessel examination with a fixation cross for assessment of eccentric fixation.
-  **SEMI CIRCLE** - Provides a combination of depth perception and field of view.
-  **RED FREE** - Used to examine blood vessels in fine detail. Blood vessels are silhouetted black against a dark green background.
-  **COBALT BLUE** - Use with fluorescein dye for the examination of corneal scars and abrasions.

## Overview and intended use

The Keeler Ophthalmoscope is indicated for examining the posterior segment of the eye referred to as the fundus, in order to aid in the screening and diagnosis of retinal pathology including, but not limited to, diseases such as cataracts, papilloedema, glaucomatous disc cupping, diabetic retinopathy, hypertensive retinopathy and retinal detachments. When set to a high power and magnification, it can also be used to examine the anterior segment of the eye, which includes the eyelids, cornea, sclera, conjunctiva, iris, aqueous, crystalline lens and anterior vitreous.

The Keeler Oscope is indicated for the examination of the health of the external auditory canal, the tympanic membrane and the middle ear. Otoscopy can aid in the detection of ear conditions, including but not limited to earache, ear infection, hearing loss, ringing in the ears, inflammation and foreign bodies.

# Jazz Ultra

The perfect fit for your pocket and only one AA battery required.

## Key features

### Jazz Ultra Otoscope

- Fibre Optic Otoscope uses only one AA battery
- Newly designed optical chassis provides greater optical quality and illumination accuracy
- Brilliant LED illumination lasts more than 20,000 hours, based on 4 hours use per day
- 3 x magnifying lens

### Jazz Ultra Ophthalmoscope

- Brilliant LED illumination and trusted Keeler optics provide the clearest, crispest views of the retina
- Lens powers +/- 1, 2, 3, 4, 6, 8, 10, 15 and 20 Dioptres
- Smooth aperture wheel for precise selection of apertures
- Protects your spectacles
- Only one AA battery required

### Jazz Ultra Diagnostic Set

- Jazz Ultra instruments in one handy package with two handles.



## Part Numbers

### Jazz Ultra Oscopes and Ophthalmoscopes

- |             |                                       |   |
|-------------|---------------------------------------|---|
| 1514-P-1187 | Jazz Ultra Pocket Otoloscope 2.8V     | ● |
| 1102-P-1113 | Jazz Ultra Pocket Ophthalmoscope 2.8V | ● |
| 1702-P-1109 | Jazz Ultra Pocket Diagnostic Set 2.8V | ● |



# Jazz

Original size Jazz pocket instruments supplied with three interchangeable colour rings.

## Key features

### Jazz Otoloscope

- Fibre Optic Otoloscope
- Brilliant LED illumination gives the best possible view and longer battery life for a greener product
- 3 x magnifying lens

### Jazz Ophthalmoscope

- Brilliant LED illumination
- +/- 20D range of powers
- Renowned high performance Keeler optics with aspherical lens

### Jazz Diagnostic Set

- Jazz instruments in one handy package with two handles.



## Part Numbers

### Jazz Oscopes and Ophthalmoscopes

- |             |                                     |   |
|-------------|-------------------------------------|---|
| 1514-P-1160 | Jazz LED Pocket Otoloscope 2.8V     | ● |
| 1102-P-1105 | Jazz LED Pocket Ophthalmoscope 2.8V | ● |
| 1702-P-1096 | Jazz LED Pocket Diagnostic Set 2.8V | ● |



# Standard

The industry standard for ward and GP use. The Standard Otoscope is ideal for pneumatic testing.

## Key features

### Standard Otoscope

- Closed head design particularly suited to pneumatic testing
- 2.5x magnifying lens removable to allow the introduction of small instruments
- Disposable specula supplied

### Standard Ophthalmoscope

- The positive maywheel lens control allows you to click through lens powers from +40D to -25D allowing detailed examination of the ocular structures and ease of use for spectacle wearers
- Two diagnostic beams - a wide angle beam for general examination and a macular beam for more detailed examination of the central retina
- A red free filter for enhanced vessel examination can be used with both diagnostic beams, particularly useful for diabetic assessment and monitoring
- The integral soft brow rest allows for easy positioning and protects your lenses if you are a spectacle wearer

### Standard Diagnostic Set

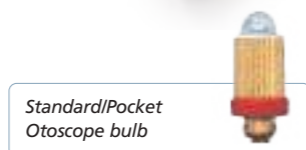
- Standard instruments in one handy package.



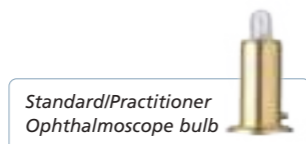
Standard Diagnostic Set



LED light source



Standard/Pocket Otoscope bulb



Standard/Practitioner Ophthalmoscope bulb

## Part Numbers

### Standard Otoscopes and Ophthalmoscopes

1518-P-1001	Slimline 2.8V Standard Otoscope	●
1518-P-1002	Slimline 3.6V Standard Otoscope	●
1126-P-1005	2.8V Standard Ophthalmoscope in Case	●
1126-P-1006	3.6V Standard Ophthalmoscope in Case	●
1126-P-1013	Standard LED Ophth Head in Carton	●
1126-P-1011	2.8V Standard LED Ophth in Case	●
1126-P-1012	3.6V Standard LED Ophth in Case	●
1126-P-5005	Standard Ophth + LED Module	●

### Diagnostic Sets

1729-P-1018	Slimline 2.8V Standard Set	●
1729-P-1022	Slimline 3.6V Standard Diagnostic Set	●
1729-P-1048	2.8V Standard LED Ophth / Oto Diag Set	●
1729-P-1049	3.6V Standard LED Ophth / Oto Diag Set	●

### Accessories

1015-P-7031	Std Otoscope Halogen Bulb 2.8V Pack of 2
1015-P-7023	Std Otoscope Halogen Bulb 3.6V Pack of 2
1011-P-7106	Std/Pract/Prof Xenon Bulb 2.8V Pack of 2
1011-P-7114	Std/Pract/Prof Xenon Bulb 3.6V Pack of 2
1011-P-5610	Ophth LED Assy



# Practitioner

The primary care specialist's choice. The Practitioner Otoscope has an open design for ease of use.

## Key features

### Practitioner Otoscope

- Unobstructed open style head for easy introduction of small instruments for wax or foreign body removal
- Large slide aside 2.5x lens for clear view of aural structures and procedures under magnification
- Facility to undertake pneumatic testing for tympanic mobility
- Disposable specula supplied

### Practitioner Ophthalmoscope

- The positive maywheel lens control allows you to select a range of lens powers from +40D to -25D for detailed examination of the ocular structures and ease of use for spectacle wearers
- Includes 6 beams for a full diagnostic capability and a blue filter, particularly useful for assessing corneal scratches in children
- A red free filter for enhanced vessel examination can be used with both diagnostic beams, ideal for diabetic assessment and monitoring
- Soft integral brow rest for spectacle wearers

### Practitioner Diagnostic Set

- Practitioner instruments in one handy package.



## Part Numbers

### Practitioner Otoscopes and Ophthalmoscopes

1519-P-1001	Slimline 2.8V Practitioner Otoscope	●
1519-P-1002	3.6V Practitioner Otoscope in Case	●
1127-P-1005	2.8V Practitioner Ophthalmoscope in Case	●
1127-P-1006	3.6V Practitioner Ophthalmoscope in Case	●
1127-P-1010	Practitioner LED Head in Carton	●
1127-P-1008	2.8V Practitioner LED Ophth in Case	●
1127-P-1009	3.6V Practitioner LED Ophth in Case	●
1127-P-5003	Practitioner Ophth + LED Module	●

### Diagnostic Sets

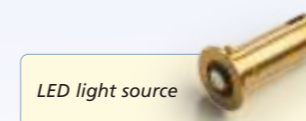
1729-P-1019	Slimline 2.8V Practitioner Diagnostic Set	●
1729-P-1023	Slimline 3.6V Practitioner Diagnostic Set	●
1729-P-1050	2.8V Practitioner LED Ophth / Oto Diag Set	●
1729-P-1051	3.6V Practitioner LED Ophth / Oto Diag Set	●

### Accessories

1015-P-7066	Fo Otoscope Halogen Bulb 2.8V Pack of 2
1015-P-7058	Fo Otoscope Halogen Bulb 3.6V Pack of 2
1011-P-7106	Std/Pract/Prof Xenon Bulb 2.8V Pack of 2
1011-P-7114	Std/Pract/Prof Xenon Bulb 3.6V Pack of 2
1011-P-5610	Ophth Led Assy



Practitioner Diagnostic Set



LED light source



# Fibre Optic Otoscope

Designed for an unobstructed view.

## Key features

- Genuine Halogen illumination transmitted via optic fibres for homogeneous illumination leading to clear and accurate diagnosis for aural images
- Large head design for unobstructed view
- Closed head system ideally suited to pneumatic testing for tympanic mobility
- Large slide aside 2.5x magnifying lens for clear view and aural structures and wax and foreign body removal procedures under magnification
- Disposable specula supplied

### Fibre Optic Diagnostic Set

- Fibre Optic instruments in one handy package

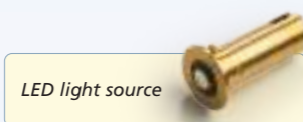


Practitioner/Fibre Optic Diagnostic Set

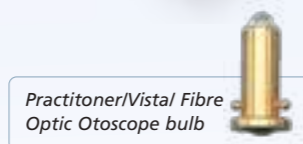
Slimline handles provide 2.8V dry cell or 3.6V Lithium rechargeable options

- 2.8V (Blue base)
- 3.6V (Red base)

When you order 3.6V you will need a Keeler Lithium Mini or Double Charger



LED light source



Practitioner/Vista/ Fibre Optic Otoscope bulb

## Part Numbers

### Fibre Optic Oscopes

- 1514-P-1136 Slimline 2.8V Fibre Optic Otoscope in Case ●
- 1514-P-1144 Slimline 3.6V Fibre Optic Otoscope in Case ●

### Diagnostic Sets

- 1729-P-1020 Slimline 2.8V Practitioner/Fibre Optic Diagnostic Set ●
- 1729-P-1024 Slimline 3.6V Practitioner/Fibre Optic Diagnostic Set ●
- 1729-P-1041 2.8V Standard/Fibre-Optic Diagnostic Set ●
- 1729-P-1052 2.8V Standard LED/Fibre Optic Diag Set ●
- 1729-P-1053 2.8V Practitioner LED/Fibre Optic Diag Set ●
- 1729-P-1054 3.6V Practitioner LED/Fibre Optic Diag Set ●

### Accessories

- 1015-P-7066 FO Otoscope Halogen Bulb 2.8V Pack of 2
- 1015-P-7058 FO Otoscope Halogen Bulb 3.6V Pack of 2
- 1011-P-7106 Std/Pract/Prof Xenon Bulb 2.8V Pack of 2
- 1011-P-7114 Std/Pract/Prof Xenon Bulb 3.6V Pack of 2
- 1011-P-5610 Ophth LED Assy

# Pocket

Ideal for the practitioner on the move and domiciliary use.

## Key features

### Pocket Otoscope

- Ideal for domiciliary or ward use or as a 'second' instrument
- Closed head design particularly suited to pneumatic testing
- 2.5x magnifying lens removable to allow the introduction of small instruments
- Disposable specula supplied
- Security from the strong metal pocket clip
- Pocket instruments are powered by standard AA batteries

### Pocket Ophthalmoscope

- Full diagnostic capability in a pocket sized instrument
- Ideal for domiciliary or ward use or as a 'second' instrument
- Security assured from the strong metal pocket clip
- A total of 6 diagnostic beams
- Pocket instruments are powered by standard AA batteries

### Pocket Diagnostic Set

- Pocket instruments in one handy package



Pocket Diagnostic Set



## Part Numbers

### Pocket Instruments

- 1503-P-1034 Pocket Otoscope in Case 2.8V ●
- 1102-P-1033 2.8V Pocket Ophth Head in Carton ●
- 1102-P-1041 Pocket Ophthalmoscope 2.8V ●
- 1702-P-1037 Pocket Set 2.8V ●

### Accessories

- 1015-P-7031 Std Otoscope Halogen Bulb 2.8V Pack of 2
- 1011-P-7050 Pocket Ophth Halogen Bulb 2.8V Pack of 2



Standard/Pocket Otoscope bulb

Pocket Ophthalmoscope bulb

# Greenlight 300

## Diagnostic Wall Unit and Dispos-A-Spec

Compact wall mounted designs Ideal for ward or surgery use.



Greenlight 300  
Diagnostic Wall Unit



Dispos-A-Spec  
Speculum Dispenser

### Key features

#### Greenlight 300 Diagnostic Wall Unit

- Display design encourages measurement to 2mmHg
- Accuracy better than +/- 3mmHg
- Automatic calibration
- Extended battery life of 170 hours continuous use, with low life battery indicator

#### Dispos-A-Spec Speculum Dispenser

- Add to your Keeler wall unit (see page 10)
- Dispenser comes filled with 25 x 2.5mm, 3.5mm, 4.5mm and 5.5mm disposable specula sizes
- Lid can be easily removed to insert new specula
- Modern, robust design matches all Keeler wall units

## Part Numbers

### Greenlight 300 and Dispos-A-Spec

1964-P-2020	Integrated Diagnostic Wall Kit - Accoson
1964-P-1006	Genmed/Dispos-A-Spec and Bracket
1964-P-2000	Specula Dispenser Unit

# Diagnostic Wall Units and Desk Sets

Light, bright and long lasting with a robust construction for busy environments.

## Key features

### Diagnostic Wall Unit Sets

- Keeler's anti-theft designed ophthalmoscopes and otoscopes have a lockable head and handle fitting, so you'll always find them where you left them
- Compact wall mounted design ideal for ward, surgery, consulting room and casualty use
- Strong coiled tangle-free cable permits instrument use up to three metres from transformer
- The robust construction is ideally suited to the busiest working conditions
- Automatic illumination when instruments are removed from cradle with LED confirmation
- The cord outfits consist of ophthalmoscope, otoscope and double cord handle power supply
- Dispos-A-Spec Speculum Dispenser can be added to your set (see page 10 for details)

### Rechargeable Desk Sets

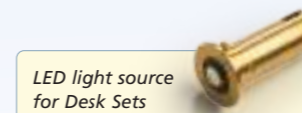
- Available with the Keeler range of ophthalmoscopes and otoscopes
- Can be desk or wall mounted to suit your needs
- The new, compact, modern design is ideal for wall mounting and therefore ideal for ward, surgery, consulting room and casualty use
- Robust construction suited to the busiest working conditions
- Lithium-ion technology provides over 2 hours of continuous use, and 2 hour rapid charge
- LEDs indicate when battery life is low, charging or fully charged



Diagnostic  
Wall Unit Set



Rechargeable  
Desk Set



LED light source  
for Desk Sets

## Part Numbers

### Diagnostic Wall Unit Sets

1964-P-2003	3.6V Standard Diagnostic Set
1964-P-2002	3.6V Practitioner Diagnostic Set
1964-P-2004	3.6V Practitioner Fibre Optic Diagnostic Set

### Rechargeable Desk Sets

1729-P-1029	3.6V Standard Desk Set
1729-P-1028	3.6V Practitioner Desk Set
1729-P-1030	3.6V Practitioner/Fibre Optic Desk Set
1729-P-1055	3.6V Standard LED Desk Set
1729-P-1056	3.6V Practitioner LED Desk Set
1729-P-1057	3.6V Practitioner LED / Fibre Optic Desk Set

# Charging Systems

Charge your Keeler instruments in style.

## Key features

### Double Lithium-ion Charger

- The compact charger takes two handles and fits neatly into your immediate testing environment, allowing easy access to your hand held instruments. It can be table top or wall mounted
- Fast charge in 2 hours
- Provides over 2 hours of continuous use
- LEDs indicate when battery life is low, charging or fully charged

### Lithium-ion Mini charger

- The Lithium-ion Mini charger can be connected quickly and simply to the base of your Keeler handle, making it the perfect choice for domiciliary visits or practitioners on the move.
- Fast charge in 2 hours
- Provides over 2 hours of continuous use
- Can use instrument whilst charging battery
- LEDs indicate when battery life is low, charging or fully charged



Double Lithium-ion Charger



Lithium-ion Mini charger



Lithium-ion Battery

## Part Numbers

### Charging Systems

- 1941-P-1368 Lithium Double Charger
- 1941-P-1341 Lithium Mini Charger
- EP39-18918 3.6V Lithium Battery

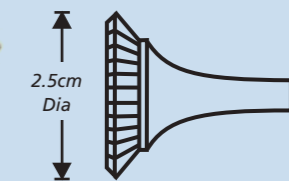
### Colour Coded Grips

- 1901-P-7028 Slimline Handle Sleeve - Pink
- 1901-P-7036 Slimline Handle Sleeve - Green
- 1901-P-7044 Slimline Handle Sleeve - Blue
- EP29-05365 Slimline Handle Sleeve - Black
- 1901-P-7052 Slimline Handle Sleeve Assorted Colours

# Replacement Specula



Jazz Ultra/Jazz Specula

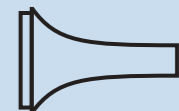


1. Identify the style of your existing Speculum
2. Measure the diameter

Standard, Practitioner, Pocket, Vista, Fibre Optic, Medic Specula

- 1512-P-7008 Speculum No.1
- 1512-P-7016 Speculum No.2
- 1512-P-7024 Speculum No.3
- 1512-P-7032 Speculum No.4
- 1512-P-7040 Speculum No.5
- 1599-P-7229 Set of Permanent Specula

Disposable  
Use without adaptor



- 1513-P-7026 Disposable Specula (No Adaptor)
- 1501-P-5197 Bag of 500 No.1 (2.5mm) Specula
- 1501-P-5170 Bag of 500 Disposable Specula No.2
- 1501-P-5218 Bag of 500 No.3 (4.5mm) Specula
- 1501-P-5189 Bag of 500 Disposable Specula No.4
- 1599-P-7229 Set of Permanent Specula

## colour coded grips available



Add a bit of colour to your diagnostic area and personalise your instruments with colour coded grips.

Choose from pink, green, blue or black. Available in an assorted packet of 4 or singularly.



# What's in the box?

## Jazz Ultra

- 1514-P-1187**  
**JAZZ ULTRA POCKET**  
**OTOSCOPE 2.8V**
- Otoscope with Short Handle
  - 2.5mm and 4mm Specula (Jazz only)
  - Lockring Blue
  - Lockring Pink
  - Carry Pouch
  - User Instruction
- 
- 1102-P-1113**  
**JAZZ ULTRA POCKET**  
**OPHTHALMOSCOPE**  
**2.8V**
- Ophthalmoscope with Short Handle
  - Lockring Blue
  - Lockring Pink
  - Carry Pouch
  - User Instruction
- 
- 1702-P-1109**  
**JAZZ ULTRA POCKET**  
**DIAGNOSTIC SET 2.8V**
- Ophthalmoscope with Short Handle
  - Otoscope with Short Handle
  - 2.5mm and 4mm Specula (Jazz only)
  - 2x Lockring Blue
  - 2x Locking Pink
  - Carry Pouch
  - User Instruction

## Jazz

- 1514-P-1160**  
**JAZZ LED POCKET**  
**OTOSCOPE 2.8V**
- Otoscope with Handle
  - 2.5mm and 4mm Specula (Jazz only)
  - Lockring Blue
  - Lockring Pink
  - Carry Pouch
  - User Instruction
- 
- 1102-P-1105**  
**JAZZ LED POCKET**  
**OPHTHALMOSCOPE**  
**2.8V**
- Ophthalmoscope with Handle
  - Lockring Blue
  - Locking Pink
  - Carry Pouch
  - User Instruction
- 
- 1702-P-1096**  
**JAZZ LED POCKET**  
**DIAGNOSTIC SET 2.8V**
- Ophthalmoscope with Handle
  - Otoscope with Handle
  - 2.5mm and 4mm Specula (Jazz only)
  - 2x Lockring Blue
  - 2x Lockring Pink
  - Carry Pouch
  - User Instruction

## Standard

- 1518-P-1001**  
**SLIMLINE 2.8V**  
**STANDARD OTOSCOPE**
- Standard Otoscope with Halogen Bulb
  - Spare Halogen Bulb
  - Bulb Extractor
  - 1x Speculum 1-5
  - Otoscope Insuflator Adaptor
  - Case
  - User Instructions
- 
- 1518-P-1002**  
**SLIMLINE 3.6V**  
**STANDARD OTOSCOPE**
- Standard Otoscope with Halogen Bulb
  - Lithium Battery
  - Spare Halogen Bulb
  - Bulb Extractor
  - 1x Speculum 1-5
  - Otoscope Insuflator Adaptor
  - Case
  - User Instructions
- 
- 1126-P-1005**  
**2.8V STANDARD**  
**OPHTHALMOSCOPE**
- Standard Ophthalmoscope with Halogen Bulb
  - Spare Halogen Bulb
  - Case
  - User Instruction
- 
- 1126-P-1006**  
**3.6V STANDARD**  
**OPHTHALMOSCOPE**
- Standard Ophthalmoscope with Halogen Bulb
  - Lithium Battery
  - Spare Halogen Bulb
  - Case
  - User Instruction
- 
- 1126-P-1013**  
**STANDARD LED**  
**OPHTHALMOSCOPE**  
**HEAD**
- Standard LED Ophthalmoscope Head
  - User Instructions USB
- 
- 1126-P-1011**  
**2.8V STANDARD LED**  
**OPHTHALMOSCOPE**
- Standard LED Ophthalmoscope
  - Case
  - User Instruction
- 
- 1126-P-1012**  
**3.6V STANDARD LED**  
**OPHTHALMOSCOPE**
- Standard LED Ophthalmoscope
  - Lithium Battery
  - Case
  - User Instruction

## Standard Diagnostic Sets

- 1729-P-1018**  
**SLIMLINE 2.8V**  
**STANDARD SET**
- Standard Ophthalmoscope with Halogen Bulb (Head only)
  - Standard Otoscope with Halogen Bulb
  - Spare Halogen Ophthalmoscope Bulb
  - Spare Halogen Otoscope Bulb
  - 1x Speculum 1-5
  - Bulb Extractor
  - Otoscope Insuflator Adaptor
  - Double Case
  - User Instructions
- 
- 1729-P-1022**  
**SLIMLINE 3.6V**  
**STANDARD**  
**DIAGNOSTIC SET**
- Standard Ophthalmoscope with Halogen Bulb (Head only)
  - Standard Otoscope with Halogen Bulb
  - Lithium Battery
  - Spare Halogen Ophthalmoscope Bulb
  - Spare Halogen Otoscope Bulb
  - 1x Speculum 1-5
  - Bulb Extractor
  - Otoscope Insuflator Adaptor
  - Double Case
  - User Instructions
- 
- 1729-P-1048**  
**2.8V STANDARD LED**  
**OPHTH/OTO**  
**DIAGNOSTIC SET**
- Standard Ophthalmoscope with LED Bulb (Head only)
  - Standard Otoscope with Halogen Bulb
  - Spare Halogen Otoscope Bulb
  - 1x Speculum 1-5
  - Bulb Extractor
  - Otoscope Insuflator Adaptor
  - Double Case
  - User Instructions
- 
- 1729-P-1049**  
**3.6V STANDARD LED**  
**OPHTH/OTO**  
**DIAGNOSTIC SET**
- Standard Ophthalmoscope with LED Bulb (Head only)
  - Standard Otoscope with Halogen Bulb
  - Spare Halogen Otoscope Bulb
  - Lithium Battery
  - Spare Halogen Otoscope Bulb
  - 1x Speculum 1-5
  - Bulb Extractor
  - Otoscope Insuflator Adaptor
  - Double Case
  - User Instructions

## Practitioner

- 1519-P-1001**  
**SLIMLINE 2.8V**  
**PRACTITIONER**  
**OTOSCOPE**
- Practitioner Otoscope with Halogen Bulb
  - Spare Halogen Bulb
  - Bulb Extractor
  - Air Tight Chamber-ATC Mac
  - 1x Speculum 1-5
  - Tube of Disposable Specula
  - Otoscope Insuflator Adaptor
  - Case
  - User Instructions
- 
- 1519-P-1002**  
**SLIMLINE 3.6V**  
**PRACTITIONER**  
**OTOSCOPE**
- Practitioner Otoscope with Halogen Bulb
  - Spare Halogen Bulb
  - Lithium Battery
  - Bulb Extractor
  - Air Tight Chamber-ATC Mac
  - 1x Speculum 1-5
  - Tube of Disposable Specula
  - Otoscope Insuflator Adaptor
  - Case
  - User Instructions
- 
- 1127-P-1005**  
**2.8V PRACTITIONER**  
**OPHTHALMOSCOPE**  
**IN CASE**
- Practitioner Ophthalmoscope with Halogen Bulb
  - Spare Halogen Bulb
  - Case
  - User Instruction
- 
- 1127-P-1006**  
**3.6V PRACTITIONER**  
**OPHTHALMOSCOPE**  
**IN CASE**
- Practitioner Ophthalmoscope with Halogen Bulb
  - Spare Halogen Bulb
  - Lithium Battery
  - Case
  - User Instruction
- 
- 1127-P-1010**  
**PRACTITIONER LED**  
**HEAD IN CARTON**
- LED Practitioner Ophthalmoscope (Head Only)
  - User Instruction
- 
- 1127-P-1008**  
**2.8V PRACTITIONER**  
**LED OPHTH IN CASE**
- LED Practitioner Ophthalmoscope
  - Case
  - User Instruction
- 
- 1127-P-1009**  
**3.6V PRACTITIONER**  
**LED OPHTH IN CASE**
- LED Practitioner Ophthalmoscope
  - Lithium Battery
  - Case
  - User Instruction



# What's in the box?

## Practitioner Diagnostic Set

- 1729-P-1019**  
**SLIMLINE 2.8V**  
**PRACTITIONER**  
**DIAGNOSTIC SET**
- Practitioner Ophthalmoscope with Halogen Bulb (Head only)
  - Practitioner Otoloscope with Halogen Bulb
  - Spare Halogen Ophthalmoscope Bulb
  - Spare Halogen Otoloscope Bulb
  - 1x Speculum 1-5
  - Bulb Extractor
  - Otoloscope Insufflator Adaptor
  - Double Case
  - User Instructions

- 1729-P-1023**  
**SLIMLINE 3.6V**  
**PRACTITIONER**  
**DIAGNOSTIC SET**
- Practitioner Ophthalmoscope with Halogen Bulb (Head only)
  - Practitioner Otoloscope with Halogen Bulb
  - Lithium Battery
  - Spare Halogen Ophthalmoscope Bulb
  - Spare Halogen Otoloscope Bulb
  - 1x Speculum 1-5
  - Bulb Extractor
  - Otoloscope Insufflator Adaptor
  - Double Case
  - User Instructions

- 1729-P-1050**  
**2.8V PRACTITIONER**  
**LED OPHTH/OTO**  
**DIAGNOSTIC SET**
- Practitioner LED Ophthalmoscope (Head only)
  - Practitioner Otoloscope with Halogen Bulb
  - Spare Halogen Otoloscope Bulb
  - 1x Speculum 1-5
  - Bulb Extractor
  - Otoloscope Insufflator Adaptor
  - Double Case
  - User Instructions

- 1729-P-1051**  
**3.6V PRACTITIONER**  
**LED OPHTH/OTO**  
**DIAGNOSTIC SET**
- Practitioner LED Ophthalmoscope (Head only)
  - Practitioner Otoloscope with Halogen Bulb
  - Lithium Battery
  - Spare Halogen Otoloscope Bulb
  - 1x Speculum 1-5
  - Bulb Extractor
  - Otoloscope Insufflator Adaptor
  - Double Case
  - User Instructions

## Fibre Optic Otoloscope

- 1514-P-1136**  
**SLIMLINE 2.8V**  
**FIBRE OPTIC**  
**OTOSCOPE IN CASE**
- Fibre Optic Otoloscope with Halogen Bulb
  - Spare Halogen Bulb
  - 1x Speculum 1-5
  - Tube of Disposable Specula
  - Otoloscope Insufflator Adaptor
  - Case
  - User Instructions

- 1514-P-1144**  
**SLIMLINE 3.6V**  
**FIBRE OPTIC**  
**OTOSCOPE IN CASE**
- Fibre Optic Otoloscope with Halogen Bulb
  - Spare Halogen Bulb
  - Lithium Battery
  - 1x Speculum 1-5
  - Tube of Disposable Specula
  - Otoloscope Insufflator Adaptor
  - Case
  - User Instructions

## Fibre Optic Diagnostic Sets

- 1729-P-1020**  
**SLIMLINE 2.8V**  
**PRACTITIONER/**  
**FIBRE OPTIC**  
**DIAGNOSTIC SET**
- Practitioner Ophthalmoscope with Halogen Bulb (Head only)
  - Fibre Optic Otoloscope with Halogen Bulb
  - Spare Halogen Ophthalmoscope Bulb
  - Spare Halogen Otoloscope Bulb
  - 1x Speculum 1-5
  - Bulb Extractor
  - Otoloscope Insufflator Adaptor
  - Double Case
  - User Instructions

- 1729-P-1024**  
**SLIMLINE 3.6V**  
**PRACTITIONER/**  
**FIBRE OPTIC**  
**DIAGNOSTIC SET**
- Practitioner Ophthalmoscope with Halogen Bulb (Head only)
  - Fibre Optic Otoloscope with Halogen Bulb
  - Lithium Battery
  - Spare Halogen Ophthalmoscope Bulb
  - Spare Halogen Otoloscope Bulb
  - 1x Speculum 1-5
  - Bulb Extractor
  - Otoloscope Insufflator Adaptor
  - Double Case
  - User Instructions

## Fibre Optic Diagnostic Sets Contd.

- 1729-P-1041**  
**2.8V STANDARD/**  
**FIBRE OPTIC**  
**DIAGNOSTIC SET**
- Standard Ophthalmoscope with Halogen Bulb (Head only)
  - Fibre Optic Otoloscope with Halogen Bulb
  - Spare Halogen Ophthalmoscope Bulb
  - Spare Halogen Otoloscope Bulb
  - 1x Speculum 1-5
  - Bulb Extractor
  - Otoloscope Insufflator Adaptor
  - Double Case
  - User Instructions

- 1729-P-1052**  
**2.8V STANDARD LED/**  
**FIBRE OPTIC**  
**DIAGNOSTIC SET**
- Standard LED Ophthalmoscope (Head only)
  - Fibre Optic Otoloscope with Halogen Bulb
  - Spare Halogen Otoloscope Bulb
  - 1x Speculum 1-5
  - Bulb Extractor
  - Otoloscope Insufflator Adaptor
  - Double Case
  - User Instructions

- 1729-P-1053**  
**2.8V PRACTITIONER**  
**LED/FIBRE OPTIC**  
**DIAGNOSTIC SET**
- Practitioner LED Ophthalmoscope (Head only)
  - Fibre Optic Otoloscope with Halogen Bulb
  - Spare Halogen Otoloscope Bulb
  - 1x Speculum 1-5
  - Bulb Extractor
  - Otoloscope Insufflator Adaptor
  - Double Case
  - User Instructions

- 1729-P-1054**  
**3.6V PRACTITIONER**  
**LED/FIBRE OPTIC**  
**DIAGNOSTIC SET**
- Practitioner LED Ophthalmoscope (Head only)
  - Fibre Optic Otoloscope with Halogen Bulb
  - Lithium Battery
  - Spare Halogen Otoloscope Bulb
  - 1x Speculum 1-5
  - Bulb Extractor
  - Otoloscope Insufflator Adaptor
  - Double Case
  - User Instructions

## Pocket

- 1503-P-1034**  
**POCKET OTOSCOPE**  
**IN CASE 2.8V**
- Pocket Otoloscope with Halogen Bulb
  - Spare Halogen Bulb
  - 1x Speculum 1-5
  - Tube of Disposable Specula
  - Otoloscope Insufflator Adaptor
  - Bulb Extractor
  - Case
  - Handheld User Instructions

- 1102-P-1033**  
**2.8V POCKET**  
**OPHTHALMOSCOPE**  
**HEAD IN CARTON**
- Pocket Ophthalmoscope with Halogen Bulb (Head Only)
  - User Instructions

- 1102-P-1041**  
**POCKET**  
**OPHTHALMOSCOPE**  
**2.8V**
- Pocket Ophthalmoscope with Halogen Bulb
  - Spare Halogen Bulb
  - Case
  - User Instruction

- 1702-P-1037**  
**POCKET SET 2.8V**
- Pocket Otoloscope with Halogen Bulb
  - Pocket Ophthalmoscope with Halogen Bulb (Head Only)
  - 1x Speculum 1-5
  - Tube of Disposable Specula
  - Otoloscope Insufflator Adaptor
  - Bulb Extractor
  - Case
  - Handheld User Instructions

## Wall Unit

- 1964-P-2000**
- Specula Dispenser
  - 25x 2.5, 3.5, 4.5 and 5.5mm Disposable Specula
  - Wall Bracket and associated Plugs/Screws
  - Ball ended 2mm Hex Wrench
  - Handheld User Instructions

# What's in the box?

## Diagnostic Wall Unit Sets

- 1964-P-2003**  
**3.6V STANDARD**  
**DIAGNOSTIC SET**
- Standard Ophthalmoscope with Halogen Bulb
  - Standard Otoscope with Halogen Bulb
  - Wall Mount
  - Double Cord Handle Power Supply
  - Spare Halogen Ophthalmoscope Bulb
  - Spare Halogen Otoscope Bulb
  - 1x Speculum 1-5
  - Bulb Extractor
  - Tube of Disposable Specula
  - Otoscope Insufflator Adaptor
  - User Instructions

- 1964-P-2002**  
**3.6V PRACTITIONER**  
**DIAGNOSTIC SET**
- Practitioner Ophthalmoscope with Halogen Bulb
  - Practitioner Otoscope with Halogen Bulb
  - Wall Mount
  - Double Cord Handle Power Supply
  - Spare Halogen Ophthalmoscope Bulb
  - Spare Halogen Otoscope Bulb
  - 1x Speculum 1-5
  - Bulb Extractor
  - Tube of Disposable Specula
  - Otoscope Insufflator Adaptor
  - User Instructions

- 1964-P-2004**  
**3.6V PRACTITIONER**  
**FIBRE OPTIC**  
**DIAGNOSTIC SET**
- Practitioner Ophthalmoscope with Halogen Bulb
  - Fibre Optic Otoscope with Halogen Bulb
  - Wall Mount
  - Double Cord Handle Power Supply
  - Spare Halogen Ophthalmoscope Bulb
  - Spare Halogen Otoscope Bulb
  - 1x Speculum 1-5
  - Bulb Extractor
  - Tube of Disposable Specula
  - Otoscope Insufflator Adaptor
  - User Instructions

## Rechargeable Desk Sets

- 1729-P-1029**  
**3.6V STANDARD**  
**DESK SET**
- Standard Ophthalmoscope with Halogen Bulb
  - Standard Otoscope with Halogen Bulb
  - 2x Lithium Battery
  - Double Lithium Charger and Power Cable
  - Wall Mounting Kit for Double Charger
  - Spare Halogen Ophthalmoscope Bulb
  - Spare Halogen Otoscope Bulb
  - 1x Speculum 1-5
  - Tube of Disposable Specula
  - Bulb Extractor
  - Otoscope Insufflator Adaptor
  - Double Case
  - User Instructions

- 1729-P-1028**  
**3.6V PRACTITIONER**  
**DESK SET**
- Practitioner Ophthalmoscope with Halogen Bulb
  - Practitioner Otoscope with Halogen Bulb
  - 2x Lithium Battery
  - Double Lithium Charger and Power Cable
  - Wall Mounting Kit for Double Charger
  - Spare Halogen Ophthalmoscope Bulb
  - Spare Halogen Otoscope Bulb
  - 1x Speculum 1-5
  - Tube of Disposable Specula
  - Bulb Extractor
  - Air Tight Chamber-ATC Mac
  - Double Case
  - User Instructions

- 1729-P-1030**  
**3.6V**  
**PRACTITIONER/**  
**FIBRE OPTIC**  
**DESK SET**
- Practitioner Ophthalmoscope with Halogen Bulb
  - Fibre Optic Otoscope with Halogen Bulb
  - 2x Lithium Battery
  - Double Lithium Charger and Power Cable
  - Wall Mounting Kit for Double Charger
  - Spare Halogen Ophthalmoscope Bulb
  - Spare Halogen Otoscope Bulb
  - 1x Speculum 1-5
  - Tube of Disposable Specula
  - Bulb Extractor
  - Otoscope Insufflator Adaptor
  - Double Case
  - User Instructions

## Rechargeable Desk Sets Contd.

- 1729-P-1055**  
**3.6V STANDARD LED**  
**DESK SET**
- Standard LED Ophthalmoscope
  - Standard Otoscope with Halogen Bulb
  - 2x Lithium Battery
  - Double Lithium Charger and Power Cable
  - Wall Mounting Kit for Double Charger
  - Spare Halogen Otoscope Bulb
  - 1x Speculum 1-5
  - Tube of Disposable Specula
  - Bulb Extractor
  - Double Case
  - User Instructions

- 1729-P-1056**  
**3.6V PRACTITIONER**  
**LED DESK SET**
- Practitioner LED Ophthalmoscope
  - Practitioner Otoscope with Halogen Bulb
  - 2x Lithium Battery
  - Double Lithium Charger and Power Cable
  - Wall Mounting Kit for Double Charger
  - Spare Halogen Otoscope Bulb
  - 1x Speculum 1-5
  - Tube of Disposable Specula
  - Bulb Extractor
  - Air Tight Chamber-ATC Mac
  - Double Case
  - User Instructions

- 1729-P-1057**  
**3.6V PRACTITIONER**  
**LED /FIBRE OPTIC**  
**DESK SET**
- Practitioner LED Ophthalmoscope
  - Fibre Optic Otoscope with Halogen Bulb
  - 2x Lithium Battery
  - Double Lithium Charger and Power Cable
  - Wall Mounting Kit for Double Charger
  - Spare Halogen Otoscope Bulb
  - 1x Speculum 1-5
  - Tube of Disposable Specula
  - Bulb Extractor
  - Otoscope Insufflator Adaptor
  - Double Case
  - User Instructions

# Specifications

## Electrical Ratings

The ophthalmoscope/retinoscope/otoscope, the power supply (EP29-32777) with its charging dock (1941-P-5289 and 1941-P-5326) together constitute a Medical Electrical System as defined in EN 60601-1.

<b>INPUT MAINS DATA</b>	100-240V – 50/60Hz
<b>POWER SUPPLY RATING</b>	12V : 2.5amps

## Operation

<b>RUN TIME</b>	Maximum 15 minutes ON Minimum 10 minutes OFF
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## Instrument Heads and Handles

**INPUT VOLTAGE (DC)**

3V 2x AA Alkaline Batteries - BLUE
3.75V Lithium Ion Rechargeable Battery - RED (EP39-18918)
3.65V NiMH Rechargeable Battery - Black (1919-P-7149)

## Dimensions and Weight

<b>JAZZ OPHTHALMOSCOPE</b>	178 x 28 x 28mm (HxWxD) Weight 90g
<b>JAZZ OTOSCOPE</b>	118 x 30 x 52mm (HxWxD) Weight 90g
<b>JAZZ ULTRA OPHTHALMOSCOPE</b>	167 x 30 x 28mm (HxWxD) Weight 63g
<b>JAZZ ULTRA OTOSCOPE</b>	118 x 30 x 52mm (HxWxD) Weight 61g
<b>STANDARD / PRACTITIONER OPHTHALMOSCOPE</b>	212 x 43 x 28mm (HxWxD) Weight 260g
<b>STANDARD OTOSCOPE</b>	191 x 30 x 40mm (HxWxD) Weight 167g
<b>PRACTITIONER OTOSCOPE</b>	191 x 30 x 50mm (HxWxD) Weight 172g
<b>FIBRE OPTIC OPTOSCOPE</b>	191 x 36 x 60mm (HxWxD) Weight 174g
<b>POCKET OPHTHALMOSCOPE</b>	191 x 22 x 22mm (HxWxD) Weight 150g
<b>POCKET OTOSCOPE</b>	191 x 25 x 40mm (HxWxD) Weight 143g

## Classification

<b>EQUIPMENT CLASSIFICATION</b>	Class II Type B protection against shock
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