



Direct Ophthalmoscopes

Keeler
— A world without vision loss —

A combination of optical perfection, superb ergonomics and versatile features make Keeler direct ophthalmoscopes the ideal choice. Whatever your requirement from basic examination to detailed diagnosis, there is a Keeler ophthalmoscope for you.

The next couple of pages will guide your choice but first read on to discover the benefits shared by all Keeler ophthalmoscopes as standard.

Key features

• Keeler optical system

The more you see the better the diagnosis. Keeler's wide angle light beam and individual mirror alignment ensures that whatever the patient's pupil size, you will see the clearest view of the retina.

• Comfort and fit

With curved surfaces and subtle patient side marking, the contoured, curved ophthalmoscope head guarantees an optimal viewing angle and the smooth line surfaces ensure a patient friendly non-threatening instrument.

• Slimline handles

Keeler hand helds are supplied on a slimline, lightweight robust handle.

• Light, tough and built to last

Keeler ophthalmoscopes are built from resilient, lightweight materials to give you many years of trouble free service. High impact resistant covers combined with a strong, rigid chassis protect the carefully aligned optics.



Keeler Direct Ophthalmoscopes

A clearer view

• Controllable light for bright, clear images

The bright white LED, Halogen or Xenon illumination is fully adjustable from zero. This ensures the comfort of your patients and the best possible diagnosis for you.

• Reflex free images

Individually controlled optics reduce the effect of corneal reflex whilst minimising shadows and providing clearer retinal visualisation.



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.



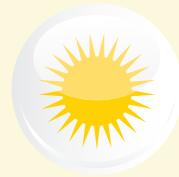
RED FREE - Used to examine blood vessels in fine detail. Blood vessels are silhouetted black against a dark green background.



COBALT BLUE - Use with fluorescein dye for the examination of corneal scars and abrasions.

LED Light Source

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



Bright, white LED illumination



3 x Longer lasting battery life

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



Specialist

We recognise that illumination is of fundamental importance to good diagnosis. The re-engineered optics give 30% more illumination and because it is longer lasting, that means fewer bulb changes giving greater peace of mind.

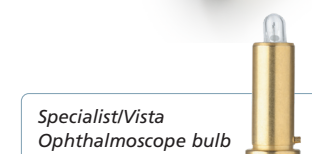
- The World’s finest Direct Ophthalmoscope
- Lightweight and well balanced

Almost 50% lighter, the Specialist combined with the slimline handle is perfectly balanced.
- Expanded dioptre range

The most comprehensive lens range available in a direct ophthalmoscope, +44D to -45D lens range guarantees optimal diagnosis in any situation.



LED light source



Specialist/Vista Ophthalmoscope bulb

Key features

- 30% more illumination

Re-engineered optics give 30% more illumination to get through, for example, cloudy media and cataracts.
- Slimmer optics

Slimmer and enclosed viewing optics enable you to get closer to the eye providing a wider field of view.
- Premium hand made optics

The Morton Lens Track system, made up of individually ground glass lenses ensures an optimal view.
- New Cobalt Blue filter

The new blue filter can be used in conjunction with fluorescein dye for the detection and examination of corneal scars and abrasions.
- Pupillometer gauge

The pupillometer disc allows quick and easy estimation of pupil size.

Part Numbers

Specialist Ophthalmoscopes

- 1132-P-1157 3.6V Specialist Ophth (rechargeable) in case
- 1132-P-1149 2.8V Specialist Ophth in case
- 1132-P-1181 3.6V LED Specialist Ophth (rechargeable) in case
- 1132-P-1173 2.8V LED Specialist Ophth in case

Accessories

- 1011-P-7034 Spec/Vista halogen bulb 3.6V Pkt2
- 1011-P-7042 Spec/Vista halogen bulb 2.8V Pkt2
- 1011-P-7229 Spec/Vista LED bulb 2.8V/3.6V Pk1



Professional

The Professional Ophthalmoscope has been designed to ensure ultimate control. Lenses, graticules and filters can all be introduced at the touch of a fingertip without the need to pull away from the patient.

• **Positive action maywheel and comprehensive lens range**

The positive action, easy access, maywheel not only allows you to dial up the required lens quickly, but also gives you total control of where you are in the lens range making each exam quicker and easier.

The extensive range of +29D to -30D in single dioptre steps ensures easy examination of all ocular structures and covers a wide range of patient/user prescriptions. A quick step swing of +/- 20D helps speed up diagnosis.



Key features

- **Choice of illumination**
The Professional now has a choice of Xenon or LED illumination for a brighter and whiter long lasting light. Giving you 3 x longer battery life.
- **Swing over filter**
The red free filter for enhanced vessel examination can be used in conjunction with any of the 6 diagnostic beams.
- **Brow rest**
The integral soft brow rest allows for easy positioning and protects your lenses if you are a spectacle wearer.



Part Numbers

Professional Ophthalmoscopes

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|-------------|-------------------------------------|
| 1128-P-1014 | 3.6V Professional Ophth in case |
| 1128-P-1015 | 3.6V LED Professional Ophth in case |
| 1128-P-1013 | 2.8V Professional Ophth in case |
| 1128-P-1008 | 2.8V LED Professional Ophth in case |

Accessories

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|-------------|---------------------------------------|
| 1011-P-7114 | Std/Pract/Prof Xenon Bulb 3.6V Pkt2 |
| 1011-P-7106 | Std/Pract/Prof Xenon Bulb 2.8V Pkt2 |
| 1011-P-7210 | Std/Pract/Prof LED Bulb 3.6/2.8V Pkt1 |



Professional Retinoscope

Optimised for outstanding performance with either a Streak or Spot halogen beam with a simple bulb change. Plus the LED Professional Streak Retinoscope is now available!

- **Neutralisation check (Patented)**
The only Retinoscope allowing rapid confirmation of neutralisation. You can change the beam from divergent to convergent enabling you to cross check the accuracy of the neutral point, guaranteeing the assessment is correct every time.
- **Precision magnetic control (Patented)**
Improved 360° access to a single control for both rotation and convergence adjustments. The precision movements are achieved by use of rare earth magnet technology.



Key features

- **Choice of illumination**
Choose between 600 lux of brilliant halogen illumination or the LED Retinoscope. Whichever you choose, the Professional guarantees you enough light to refract even the most difficult eyes.
- **LED Professional Streak Retinoscope**
Gives you better contrast, image quality and longer battery life.
- **Two position aperture**
A simple finger movement allows a choice of 4mm or 1.7mm aperture to optimise brightness or resolution of the retinal reflex.



Part Numbers

Professional Retinoscopes

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|-------------|--|
| 1302-P-1014 | 3.6V Professional Streak LED Ret and case |
| 1302-P-1011 | 3.6V Professional Streak Retinoscope in case |
| 1302-P-1009 | 3.6V Professional Spot Retinoscope in case |
| 1302-P-1013 | 2.8V Professional Streak LED Ret and case |
| 1302-P-1010 | 2.8V Professional Streak Retinoscope in case |
| 1302-P-1008 | 2.8v Professional Spot Retinoscope in case |

Accessory

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|-------------|-------------------------------------|
| 1305-P-7000 | Streak Retinoscope LED blister pack |
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Professional Combi Retinoscope Bulbs

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| 1013-P-7009 | Vista/Professional Streak bulb 3.6V Pkt2 |
| 1013-P-7011 | Professional Spot bulb 3.6V Pkt2 |
| 1013-P-7010 | Professional Spot bulb 2.8V Pkt2 |

Vista Retinoscope Bulbs

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| 1013-P-7009 | Vista/Professional Streak bulb 3.6V Pkt2 |
| 1013-P-7007 | Vista Spot halogen bulb 3.6V Pkt2 |
| 1013-P-7006 | Vista Spot halogen bulb 2.8V Pkt2 |

Ophthalmoscope/Retinoscope Sets

You can purchase your Ophthalmoscope and Retinoscope in a slimline double handle case and add in a Lithium Double Charger.



Specialist Ophthalmoscope/Retinoscope Set



Professional Ophthalmoscope/Retinoscope Set

Part Numbers

Specialist Ophthalmoscope/Retinoscope Sets

- 1427-P-1104 3.6V Streak LED Ret and Specialist Ophth
- 1427-P-1063 Slimline 3.6V Streak Ret and Specialist Ophth
- 1427-P-1065 Slimline 3.6V Spot Ret and Specialist Ophth
- 1427-P-1103 2.8V Streak LED Ret and Specialist Ophth
- 1427-P-1062 Slimline 2.8V Streak Ret and Specialist Ophth
- 1427-P-1064 Slimline 2.8V Spot Ret and Specialist Ophth
- 1427-P-1116 3.6V Specialist & Combi LED only Student Set
- 1427-P-1119 3.6V Specialist Student Set LED only Volk

Professional Ophthalmoscope/Retinoscope sets

- 1427-P-1102 3.6V Streak LED Ret and Professional Ophth
- 1427-P-1059 3.6V Streak/Professional Set with 2 handles
- 1427-P-1061 Slimline 3.6V Spot Ret and Professional Ophth
- 1427-P-1101 2.8V Streak LED Ret and Professional Ophth
- 1427-P-1058 Slimline 2.8V Streak Ret & Professional Ophth
- 1427-P-1060 Slimline 2.8V Spot Ret & Professional Ophth
- 1427-P-1071 3.6V Magnetic Streak Ret/Professional Ophth and handle
- 1427-P-1117 3.6V Professional LED only Student Set
- 1427-P-1118 3.6V Professional Student Set LED only Volk

Lithium Double Charger

- 1941-P-1368 Lithium Double Charger
- 1999-P-7308 Double Charger Wall Mount Kit

LED light source
available with Sets



Ophthalmoscope/Retinoscope Wall Units

Keeler's anti-theft designed Ophthalmoscopes and Retinoscopes have a lockable head and handle fitting so you'll always find them where you left them.



If you require a wall unit you will need to order the transformer unit which comes with the 2 x handles and each individual head.

Key features

- **Tangle-free**
The strong, coiled, tangle-free cable permits instrument use up to 3 metres from the transformer.
- **Durable**
The robust construction is ideal for busy working conditions.
- **Automated**
Automatic illumination when instruments are removed from the cradle. With LED confirmation.



Part Numbers

Wall Units

- 1964-P-2001 Double Cord Handle Power Supply
- 1132-P-1050 3.6V Specialist Ophth Head and Bulb
- 1128-P-1004 3.6V Professional Ophth in Carton
- 1132-P-1042 2.8V Specialist Ophth Head and Bulb
- 1128-P-1003 2.8V Professional Ophth in Carton
- 1302-P-1012 Professional Streak LED Retinoscope Head
- 1302-P-1007 3.6V Streak Head in Carton
- 1302-P-1005 3.6V Spot Magnetic Retinoscope
- 1302-P-1006 2.8V Streak Magnetic Retinoscope
- 1302-P-1004 2.8V Spot Magnetic Retinoscope

Accessories

• Colour Coded Grips

Add a bit of colour to your diagnostic area with colour coded grips. Available in four colours these new grips are not only fun but functional too!

Available individually or as an assorted pack of four, choose from pink, green, blue or black.



• Near Point Cards for Retinoscopy



• Keeler Slimline Handles

Spare handles for your instruments available in 3.6V Lithium rechargeable (red base) or 2.8V Battery (blue base) options.



Part Numbers

Colour Coded Grips

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|-------------|--|
| 1901-P-7028 | Pink |
| 1901-P-7036 | Green |
| 1901-P-7044 | Blue |
| EP29-05365 | Black |
| 1901-P-7052 | Pack of four assorted Colour Coded Grips |

Near Point Cards for Retinoscopy

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|-------------|----------------------------------|
| 1321-P-7021 | Near Point Cards for Retinoscopy |
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Keeler Slimline Handles

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| 1911-P-1201 | 3.6V Slimline Handle |
| 1901-P-1101 | 2.8V Slimline Handle |

Chargers and Upgrade Kits

A two hour fast charge and over 2 hours continuous use means your instrument is always ready for use. Choose between the Lithium-ion Double or Mini Chargers.

• Lithium-ion Double 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 desk or wall mounted.

• 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. Your instruments can still be used whilst the battery is charging.



Lithium-ion Mini Charger



Double Lithium Upgrade Kit

Key features

• Over 2 hours of continuous use

Ideal for long examinations especially while first learning with your instrument.

• LED displays

LEDs indicate when battery life is low, charging or fully charged.

• Upgrade Kits available

Keep your existing heads and upgrade to Lithium-ion.

The Double Lithium Upgrade Kit (pictured below) includes 2 x handles and a Lithium-ion Double Charger.

The Mini Charger Upgrade Kit includes 1 x handle and a Lithium-ion Mini Charger.

Part Numbers

Lithium-ion Chargers

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|-------------|------------------------|
| 1941-P-1368 | Lithium Double Charger |
| 1941-P-1341 | Lithium Mini Charger |

Upgrade Kits

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| 1911-P-1228 | Lithium Duo Charger and 2 Slimline Handles |
| 1911-P-1236 | Slimline Handle and Mini Charger |

Lithium Battery

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|------------|----------------------|
| EP39-18918 | 3.6V Lithium Battery |
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What's in the box?

Specialist

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| 1132-P-1157 3.6V SPECIALIST OPHTHALMOSCOPE (RECHARGEABLE) IN CASE | <ul style="list-style-type: none">• Specialist Ophthalmoscope with Halogen Bulb• Lithium Battery• Spare Halogen Bulb• Case• User Instructions |
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| 1132-P-1149 2.8V SPECIALIST OPHTHALMOSCOPE IN CASE | <ul style="list-style-type: none">• Specialist Ophthalmoscope with Halogen Bulb• Spare Halogen Bulb• Case• User Instructions |
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| 1132-P-1181 3.6V LED SPECIALIST OPHTHALMOSCOPE (RECHARGEABLE) IN CASE | <ul style="list-style-type: none">• Specialist Ophthalmoscope with LED Bulb• Lithium Battery• Case• User Instructions |
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| 1132-P-1173 2.8V LED SPECIALIST OPHTHALMOSCOPE IN CASE | <ul style="list-style-type: none">• Specialist Ophthalmoscope with LED Bulb• Case• User Instructions |
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Professional

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| 1128-P-1014 3.6V PROFESSIONAL OPHTHALMOSCOPE IN CASE | <ul style="list-style-type: none">• Professional Ophthalmoscope with Halogen Bulb• Lithium Battery• Spare Halogen Bulb• Case• User Instructions |
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| 1128-P-1015 3.6V LED PROFESSIONAL OPHTHALMOSCOPE IN CASE | <ul style="list-style-type: none">• Professional Ophthalmoscope with LED Bulb• Lithium Battery• Case• User Instructions |
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| 1128-P-1013 2.8V PROFESSIONAL OPHTHALMOSCOPE IN CASE | <ul style="list-style-type: none">• Professional Ophthalmoscope with Halogen Bulb• Spare Halogen Bulb• Case• User Instructions |
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| 1128-P-1008 2.8V LED PROFESSIONAL OPHTH IN CASE | <ul style="list-style-type: none">• Professional Ophthalmoscope with LED Bulb• Case• User Instructions |
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Retinoscope

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| 1302-P-1014 3.6V PROFESSIONAL STREAK LED RETINOSCOPE AND CASE | <ul style="list-style-type: none">• LED Streak Retinoscope• Lithium Battery• Eyebrow Extension• Case• User Instructions |
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| 1302-P-1011 3.6V PROFESSIONAL STREAK RETINOSCOPE IN CASE | <ul style="list-style-type: none">• Halogen Streak Retinoscope• Spare Halogen Bulb• Lithium Battery• Eyebrow Extension• Case• User Instructions |
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| 1302-P-1009 3.6V PROFESSIONAL SPOT RETINOSCOPE IN CASE | <ul style="list-style-type: none">• Halogen Spot Retinoscope• Spare Halogen Bulb• Lithium Battery• Eyebrow Extension• Case• User Instructions |
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|--|---|
| 1302-P-1013 2.8V PROFESSIONAL STREAK LED RETINOSCOPE AND CASE | <ul style="list-style-type: none">• LED Streak Retinoscope• Eyebrow Extension• Case• User Instructions |
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| 1302-P-1010 2.8V PROFESSIONAL STREAK RETINOSCOPE IN CASE | <ul style="list-style-type: none">• Halogen Streak Retinoscope• Spare Halogen Bulb• Eyebrow Extension• Case• User Instructions |
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| 1302-P-1008 2.8V PROFESSIONAL SPOT RETINOSCOPE IN CASE | <ul style="list-style-type: none">• Halogen Spot Retinoscope• Spare Halogen Bulb• Eyebrow Extension• Case• User Instructions |
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Specialist Ophthalmoscope/ Retinoscope Sets

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| 1427-P-1104 3.6V STREAK LED RETINOSCOPE AND SPECIALIST OPHTHALMOSCOPE | <ul style="list-style-type: none">• LED Streak Retinoscope• LED Specialist Ophthalmoscope• Lithium Battery (x2)• Eyebrow Extension• Double Handheld Case• User Instructions |
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| 1427-P-1063 SLIMLINE 3.6V STREAK RETINOSCOPE AND SPECIALIST OPHTHALMOSCOPE | <ul style="list-style-type: none">• Halogen Streak Retinoscope• Halogen Specialist Ophthalmoscope• Spare Halogen Streak Bulb• Spare Halogen Specialist Bulb• Lithium Battery (x2)• Eyebrow Extension• Double Handheld Case• User Instructions |
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| 1427-P-1065 SLIMLINE 3.6V SPOT RETINOSCOPE AND SPECIALIST OPHTHALMOSCOPE | <ul style="list-style-type: none">• Halogen Spot Retinoscope• Halogen Specialist Ophthalmoscope• Spare Halogen Spot Bulb• Spare Halogen Specialist Bulb• Lithium Battery (x2)• Eyebrow Extension• Double Handheld Case• User Instructions |
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| 1427-P-1103 2.8V STREAK LED RETINOSCOPE AND SPECIALIST OPHTHALMOSCOPE | <ul style="list-style-type: none">• LED Streak Retinoscope• LED Specialist Ophthalmoscope• Eyebrow Extension• Double Handheld Case• User Instructions |
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| 1427-P-1062 SLIMLINE 2.8V STREAK RETINOSCOPE AND SPECIALIST OPHTHALMOSCOPE | <ul style="list-style-type: none">• Halogen Streak Retinoscope• Halogen Specialist Ophthalmoscope• Spare Halogen Streak Bulb• Spare Halogen Specialist Bulb• Eyebrow Extension• Double Handheld Case• User Instructions |
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| 1427-P-1064 SLIMLINE 2.8V SPOT RETINOSCOPE AND SPECIALIST OPHTHALMOSCOPE | <ul style="list-style-type: none">• Halogen Spot Retinoscope• Halogen Specialist Ophthalmoscope• Spare Halogen Spot Bulb• Spare Halogen Specialist Bulb• Eyebrow Extension• Double Handheld Case• User Instructions |
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Student LED Specialist Ophthalmoscope/ Retinoscope Sets

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| 1427-P-1116 3.6V SPECIALIST AND COMBI LED ONLY STUDENT SET | <ul style="list-style-type: none">• LED Streak Retinoscope• LED Specialist Ophthalmoscope• Spare Halogen Spot Bulb• Lithium Battery (x2)• Eyebrow Extension• User Instructions• Dynamic Targets• Lithium Double Charger• Lithium Mini Charger• Keeler Lens Cloth• Student How to Use Ophthalmoscope and Retinoscope Book• Romanes Occulder Rule• Fixation Bar Budgie Stick• Keeler Reusable Pen Torch• Double Handheld Soft Case• Student City Bag |
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| 1427-P-1119 3.6V SPECIALIST STUDENT SET LED ONLY VOLK | <ul style="list-style-type: none">• LED Streak Retinoscope• LED Specialist Ophthalmoscope• Spare Halogen Spot Bulb• Volk Digital Wild Field Lens• Lithium Battery (x2)• Eyebrow Extension• User Instructions• Dynamic Targets• Lithium Double Charger• Lithium Mini Charger• Keeler Lens Cloth• Student How to use Ophthalmoscope and Retinoscope Book• Romanes Occulder Rule• Fixation Bar Budgie Stick• Keeler Reusable Pen Torch• Double Handheld Soft Case• Student City Bag |
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What's in the box?

Professional Ophthalmoscope/Retinoscope Sets

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| 1427-P-1102 3.6V STREAK LED RETINOSCOPE AND PROFESSIONAL OPHTHALMOSCOPE | <ul style="list-style-type: none">• LED Streak Retinoscope• LED Professional Ophthalmoscope• Lithium Battery (x2)• Eyebrow Extension• Double Handheld Case• User Instructions |
| 1427-P-1059 3.6V STREAK/ PROFESSIONAL SET WITH 2 HANDLES | <ul style="list-style-type: none">• Halogen Streak Retinoscope• Halogen Professional Ophthalmoscope• Spare Halogen Streak Bulb• Spare Halogen Specialist Bulb• Lithium Battery (x2)• Eyebrow Extension• Double Handheld Case• User Instructions |
| 1427-P-1061 SLIMLINE 3.6V SPOT RETINOSCOPE AND PROFESSIONAL OPHTHALMOSCOPE | <ul style="list-style-type: none">• Halogen Spot Retinoscope• Halogen Professional Ophthalmoscope• Spare Halogen Spot Bulb• Spare Halogen Specialist Bulb• Lithium Battery (x2)• Eyebrow Extension• Double Handheld Case• User Instructions |
| 1427-P-1101 2.8V STREAK LED RETINOSCOPE AND PROFESSIONAL OPHTHALMOSCOPE | <ul style="list-style-type: none">• LED Streak Retinoscope• LED Professional Ophthalmoscope• Eyebrow Extension• Double Handheld Case• User Instructions |
| 1427-P-1058 SLIMLINE 2.8V STREAK RETINOSCOPE AND PROFESSIONAL OPHTHALMOSCOPE | <ul style="list-style-type: none">• Halogen Streak Retinoscope• Halogen Professional Ophthalmoscope• Spare Halogen Streak Bulb• Spare Halogen Specialist Bulb• Eyebrow Extension• Double Handheld Case• User Instructions |
| 1427-P-1060 SLIMLINE 2.8V SPOT RETINOSCOPE AND PROFESSIONAL OPHTHALMOSCOPE | <ul style="list-style-type: none">• Halogen Spot Retinoscope• Halogen Professional Ophthalmoscope• Spare Halogen Spot Bulb• Spare Halogen Specialist Bulb• Eyebrow Extension• Double Handheld Case• User Instructions |

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| 1427-P-1071 3.6V MAGNETIC STREAK RETINOSCOPE/ PROFESSIONAL OPHTHALMOSCOPE AND HANDLE | <ul style="list-style-type: none">• Halogen Streak Retinoscope• Halogen Professional Ophth• 1 Handle shared between Retinoscope and Ophth• Spare Halogen Streak Bulb• Spare Halogen Specialist Bulb• Lithium Battery• Eyebrow Extension• Double Handheld Case• User Instructions |
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Student LED Professional Ophthalmoscope/Retinoscope Sets

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| 1427-P-1117 3.6V PROFESSIONAL LED ONLY STUDENT SET | <ul style="list-style-type: none">• LED Streak Retinoscope• LED Professional Ophthalmoscope• Spare Halogen Spot Bulb• Lithium Battery (x2)• Eyebrow Extension• User Instructions• Dynamic Targets• Lithium Double Charger• Lithium Mini Charger• Keeler Lens Cloth• Student How to Use Ophth and Retinoscope Book• Romanes Occulder Rule• Fixation Bar Budgie Stick• Keeler Reusable Pen Torch• Double Handheld Soft Case• Student City Bag |
| 1427-P-1118 3.6V PROFESSIONAL STUDENT SET LED ONLY VOLK | <ul style="list-style-type: none">• LED Streak Retinoscope• LED Professional Ophthalmoscope• Spare Halogen Spot Bulb• Volk Digital Wild Field Lens• Lithium Battery (x2)• Eyebrow Extension• User Instructions• Dynamic Targets• Lithium Double Charger• Lithium Mini Charger• Keeler Lens Cloth• Student How to Use Ophth and Retinoscope Book• Romanes Occulder Rule• Fixation Bar Budgie Stick• Keeler Reusable Pen Torch• Double Handheld Soft Case• Student City Bag |

Wall Units

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| 1964-P-2001 DOUBLE CORD HANDLE POWER SUPPLY | <ul style="list-style-type: none">• Handheld Wall Mount• 2 x Corded Handles• 1.5mm Hexagon Wrench• Ball Ended Hex Wrench 2mm• Charger• Wall Bracket, Wall Plugs & Screws• User Instructions |
| 1132-P-1050 3.6V SPECIALIST OPHTHALMOSCOPE HEAD AND BULB | <ul style="list-style-type: none">• Specialist Ophthalmoscope Head with Halogen Bulb• User Instructions |
| 1128-P-1004 3.6V PROFESSIONAL OPHTHALMOSCOPE IN CARTON | <ul style="list-style-type: none">• Professional Ophthalmoscope Head with Halogen Bulb |
| 1302-P-1012 PROFESSIONAL STREAK LED RETINOSCOPE HEAD | <ul style="list-style-type: none">• Retinoscope Head with LED Streak Bulb• Eyebrow Extension• User Instructions |
| 1302-P-1007 3.6V STREAK HEAD IN CARTON | <ul style="list-style-type: none">• Retinoscope Head with Streak Bulb• Eyebrow Extension• User Instructions |
| 1302-P-1005 3.6V SPOT MAGNETIC RETINOSCOPE | <ul style="list-style-type: none">• Retinoscope Head with Spot Bulb• Eyebrow Extension• User Instructions |

Finoff Transilluminator

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| 2903-P-7000 FINOFF TRANSILLUMINATOR 2.8V | <ul style="list-style-type: none">• Finoff Transilluminator Head 2.8V• User Instructions |
| 2903-P-7001 FINOFF TRANSILLUMINATOR 3.6V | <ul style="list-style-type: none">• Finoff Transilluminator Head 3.6V• 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.

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

Operation

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|-----------------|---|
| RUN TIME | Maximum 15 minutes ON Minimum 10 minutes OFF |
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Instrument Heads and Handles

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|---|
| INPUT VOLTAGE (DC) |
| 3V 2xAA Alkaline Batteries - BLUE |
| 3.75V Lithium Ion Rechargeable Battery - RED (EP39-18918) |
| 3.65V NiMH Rechargeable Battery - BLACK (1919-P-7149) |

Dimensions and Weight

| | |
|--|--|
| SPECIALIST | 260 x 35 x 40mm (HxWxD) Weight 270g |
| PROFESSIONAL | 212 x 43 x 28mm (HxWxD) Weight 260g |
| RETINOSCOPE | 240 x 32 x 40mm (HxWxD) Weight 260g |
| FINOFF TRANSILLUMINATOR | 203 x 44 x 29mm (HxWxD) Weight 217g |

Classification

| | |
|---|---|
| EQUIPMENT CLASSIFICATION | Class II Type B protection against shock |
|---|---|

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 Retinoscope is indicated for the objective assessment of refractive state of the eye. By observing the retinal red reflex, it is also a means to providing information regarding the visual system, for example media and lens opacities, significant ocular aberrations and accommodative status.

The Keeler Finoff Transilluminator is indicated for the transillumination of tissue, and, in particular, scleral transillumination.



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Manufacturing address



Keeler Ltd. Clewer Hill Road Berkshire SL4 4AA UK

