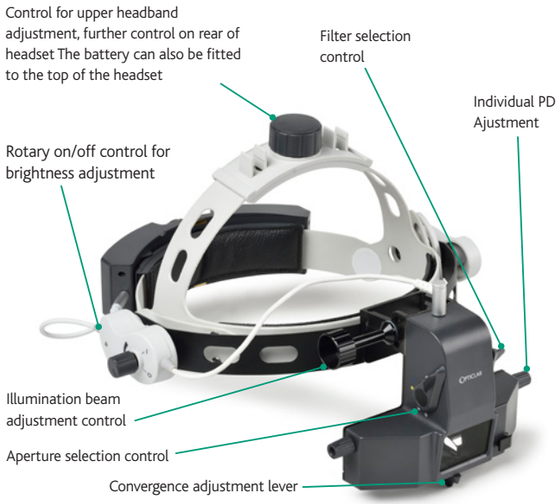

Filters

1. Cobalt Blue for fluorescein examinations
2. Yellow for light sensitive patients
3. Green for red free differentiation of vessels
4. Clear for normal examinations
5. EasyView for the easiest view down to pupils of 1mm
   Excellent contrast with minimal glare and reflections

Apertures

1. Large spot, for the largest possible view of the fundus with fully dilated pupils
2. Medium spot, for children and light sensitive patients
3. Small spot, for non dilated pupils
4. Diffuser

Technical Specifications

Optics:

- ***PD Adjustment;*** 46 to 74mm individually adjustable, optional +2D lens inserts (supplied)
- ***Filters;*** Cobalt blue, Yellow, Green (Red-Free), Clear, EasyView Polarising
- ***Apertures;*** Large, Medium, Small, Diffuse
- ***Convergence;*** step free adjustment of illumination and observation optics
- ***Independent Beam Adjustment;*** +/- 15 degree, left and right handed
- ***Teaching Mirror;*** Supplied as standard

Illumination and Power Supply:

- ***TrueTone LED;*** Approximately 20,000 hours working life
- ***Rheostat Brightness Control;*** Headband mounted
- ***Battery Pack;*** Lithium Ion, rear or over band mounted
- ***Recharge Time;*** 2.5 hours (max)
- ***Operation Time;*** up to 8 hours
- ***Charging Dock;*** Wall/desk mounted, twin charging bays

Headband:

- ***Individually Adjustable;*** rear and over band rotary adjustment
- ***Battery Mount;*** Lithium cell mounted rear or over band
- ***Comfort Pads;*** Removable and washable
- ***Flip-Up Optics;*** headband mounted lock and release
- ***Adjustable Optics;*** single adjuster for optics positioning, front/back and up/down

Weights and Dimensions:

- 540g Total weight including cell
- 120g Lithium Ion cell

Warranty:

- 5 year product warranty (if registered with us, see warranty details)
- 10 year LED warranty

OPTICLAR VISIONMED LED

YOUR OPTICLAR DEALER IS:

OPTICLAR is a brand and trademark owned and manufactured exclusively by Albert Waeschle Ltd, one of the UK's oldest medical and surgical wholesaler's and the OPTICLAR range is available through the medical and surgical trade.

CE

Albert Waeschle LTD
Unit 11 Balena Close, Poole, Dorset UK.
Tel: 01202 601177 Fax: 01202 650022

Applicable Standards: CE - complies with European medical devices directive 93/42/EEC. DIN EN ISO 7376. Complying with EN60601-1, EN60601-1-2

Electrical Compliance: Complying with EN60601-1, EN60601-1-2
Internal Power Source

Statutory Regulations: In accordance with local regulations this product should be disposed of as an electronic device separately. Applied part BF.

WEEE producer: Albert Waeschle Ltd. WEEE reg no. wee/dk0067tx

Do not open the instrument or handle in the vicinity of the patient

OPTICLAR VISIONMED LED

Opticlar EasyView LED Binocular Indirect Ophthalmoscope

FIVE YEAR MANUFACTURER GUARANTEE 5

Green LED technology

OPTICLAR EasyView LED Binocular Indirect Ophthalmoscope

Instructions for Use

Congratulations on the purchase of your new Opticlar EasyView Indirect Ophthalmoscope.

Opticlar instruments are designed and manufactured to the highest standards and utilise the latest advances in miniaturised optics to provide you, the medical professional with the best possible performance from your diagnostic instruments.

Here are some of the fantastic features included in your new Opticlar EasyView Indirect Ophthalmoscope:

- ***TrueTone LED illumination source*** – superior, brighter, homogenous illumination provides a clear retinal image with excellent colour-rendering.
- ***Economical*** – incredible LED life of more than 20,000 hours
- ***Comfortable*** – Lightweight adjustable headband with removable sweat pads for prolonged periods of use.
- ***Lithium Rechargeable Power Supply*** – headband mounted lithium pack that can be fitted to the top or rear of the headband.
- ***Multiple Filters*** – normal, cobalt blue, red-free, yellow safety and EasyView polarization filters
- ***Multiple Apertures*** – small spot, medium spot, large spot and diffuser apertures
- ***Robust and Dustproof*** – exceptional build quality and high class materials for reliable operation and low maintenance costs
- ***Intuitive Viewing Controls*** – illumination and viewing optics can be adjusted for all conditions.
- ***Adjustable Brightness*** – rotary illumination control on headband.
- ***Fully Adjustable*** – headband and optics can be sized and positioned to suit all users.

Before you begin

Carefully unpack your new Opticlar instrument and take a few minutes to check and familiarise yourself with the features of the set. The components included are:

- EasyView Binocular Indirect Ophthalmoscope
- 1 x Lithium Ion Battery Pack
- Twin-Bay Charging Station
- Charging Transformer
- Wall Mounting Kit
- Teaching Mirror
- +2D Insert Lenses
- User Instruction
- Impact Resistant Lockable Case

WARNING: Do not use in the presence of flammable gases. Do not immerse in fluids. Use only with an approved Opticlar power source.

Charging and Fitting the Lithium Battery Pack

Your new EasyView Ophthalmoscope is supplied complete with 1 x Lithium battery pack and a twin-bay charging station. Please charge the battery for a minimum of 2 hours before initial use. Position the charging station where you would like it and connect the transformer – the green power light will come on. Place your battery in either of the charging bays, making sure the positioning lugs are located properly (the battery will only go in the correct way around). The orange charging light will illuminate during charging and will go out when fully charged.

NOTE: The EasyView charging station can be placed on a desk or worktop, or alternatively wall-mounted using the bracket and fixings (supplied). We recommend that wall mounting is carried out by a professional or suitably skilled person. Care must be taken to avoid all wires and pipes when installing the wall bracket.

Once your Lithium battery is charged it can be fitted to the headband in either a top mounted or rear mounted position. The pack is fitted by placing over the round headband adjuster and twisting 90° to lock in to position. The cable from the rotary on/off and brightness control, on the right hand side of the headband, is then plugged in to the port on the battery pack.

Additional Lithium battery packs can be purchased separately through your local medical supplier. Please call 01202 601177 for details of your nearest Opticlar stockist.

Operating your Opticlar Ophthalmoscope

The EasyView ophthalmoscope is designed for indirect examination of the eye. It enables the medical professional to recognise diseases and conditions apparent through changes to the eye and monitor treatments effectively. A practiced user can obtain a clear, focused image of the retina, including the optic disk and macula regions and using the functions of the ophthalmoscope, adjust colour, brightness and aperture to gain the most suitable image possible. The ophthalmoscope can also be used for examination of the anterior segment of the eye, usually for the detection of corneal damage and abrasion. Binocular Indirect Ophthalmosopes (BIO's) are used in conjunction with an aspherical Volk lens or equivalent (purchased separately).

The examiners pupil distance (PD) can be set on the EasyView BIO by sliding the left and right side individual optics, to the correct setting from 46mm to 74mm. The headband is fully adjustable, using the round headband wheels on the top and rear of the headband, to achieve the best fit. The optics can also be adjusted up/down and in/out to achieve the perfect position for the user.

Before you begin the examination, make sure the patient is seated and comfortable. A mydriatic drop is normally applied to the patient's eye to dilate the pupil, maximising the view available and the proportion of retina that is visible during the examination.

Select the aperture size required and switch on the LED light by turning the rotary control on the headband. Use a lower output illumination to begin with (allowing the patient to get accustomed to the brightness) and increase during the examination as required. Your Opticlar EasyView BIO includes a polarising filter, which can be used to make the examination more comfortable for the patient and to improve the overall image.

During examination, the following functions can be adjusted to change the image:

1. Aperture

Using the lever on the left hand side of the optics you can choose between small, medium or large spot sizes (dependant on pupil size) and also a diffuser, which reduces the output and softens the light for the patient.

2. Filter

Using the lever on the right hand side of the optics, you can choose between 4 colour filters and a polarising filter;

White (normal, 100% illumination)

Green (red-free, colour contrast)

Cobalt Blue (corneal examination with fluorescent drops)

Yellow (patient safety)

Polarisation (patient comfort and improved colour rendering)

3. Illumination Beam

Using the knurled knobs on either the left or right hand of the optics, the illumination beam can be moved up and down (+/- 15 degree). This feature is helpful when examining the eye at an angle, which makes the pupil elliptical in shape.

4. Convergence Adjuster

The lever mounted underneath the optics allows step-free synchronised adjustment of viewing and illumination, from dilated to non-dilated pupils .

A few points to remember:

1 The larger the pupil the better the image, so dim the lights in the room before you begin to relax the patient and increase their pupil size. If possible a mydiatric agent should be applied to the eye to dilate the pupil.

2 Start with a lower light output and increase slowly to limit pupillary reaction to the light.

3 Use a suitable aspheric lens, such as a Volk or alternative.

4 Adjust the optics.

5 I f you are dilating the pupil with drops, then make sure the patient does not drive for 2 hours following the examination.

Care and Maintenance

Opticlar VisionMed Ophthalmoscopes require no routine maintenance. All external surfaces, excluding windows and lenses, can be cleaned using a damp cloth or suitable surface disinfectant, for example:

- Alcohol / Isopropyl based wipes
- Sanicloth disinfectant wipes
- Actichlor, at a ratio of 1000ppm (0.1%) or 10,000ppm (1%) following blood contamination etc.

The instrument must not be immersed in disinfectant solutions. Viewing windows and lenses must be cleaned with a damp cloth and mild detergent only and dried immediately using a lint-free cloth or Q-tip in a circular motion.

Storage

When not in use for extended periods, the power source should be removed and the ophthalmoscope stored in a dry, safe location. Avoid excessive hot or cold temperatures and dusty environments.

TrueTone LED Light Source

Opticlar LED's are guaranteed against failure for a period of 10 years from date of purchase and will last in excess of 20,000 hours under normal usage. In the rare instance that the LED fails, please contact your original supplier or visit opticlar.co.uk, to arrange a factory replacement / repair.

Warranty

Your Opticlar Ophthalmoscope is guaranteed for a period of 2 years from date of purchase. Register your new purchase by emailing OPTICLAR@albertwaeschle.com and we will automatically upgrade your 2 year warranty to 5 years, free of charge. In addition all Opticlar LED's are guaranteed for 10 years.

Should you experience any problem with your Opticlar instrument please return it to your original supplier who will arrange for repair by an authorised service agent.

UNPACK
READ BEFORE USE
ONLINE
CAUTION