

Head available in two versions.

1. 'W' Type, Standard Opticlar tip fitting compatible with Welch Allwyn ear tips.

2. 'H' Type, Tip fitment compatible with Heine ear tips



Disposable tips come in 2.5mm and 4mm diameters and are attached with a simple clockwise turn to lock on.

Instrument attaches to handle with a twist and lock bayonet action.



Viewing lens has 3 x magnification, is scratch proof and can swivel left or right.

OPTICLAR

VISIONMED

LED

YOUR OPTICLAR DEALER IS:

OPTICLAR is a brand and trademark owned and manufactured exclusively for 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.



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

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 battery handle in the vicinity of the patient

OPTICLAR

VISIONMED

LED



V-Scope FO LED Otoscope



OPTICLAR V-Scope Fibre Optic Otoscope

Instructions for Use

Congratulations on the purchase of your new OPTICLAR V-Scope Otoscope.

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 features included in your new OPTICLAR V-Scope Otoscope:

- **LED illumination source** – superior, brighter, homogenous illumination of the auditory canal and tympanic membrane with excellent colour-rendering.
- **Economical** – incredible LED life of more than 20,000 hours.
- **Multi-Voltage Illumination** – suitable for use with battery, rechargeable and wall units with no need to change the bulb.
- **Fibre Optic light transmission** - directs the light exactly where it is needed, with no interference from glare or bulb obstruction.
- **Sealed Fibre Optics** – protects the delicate fibres from accidental damage for a longer working life.
- **Swing-Away Lens** – provides 4.2x magnification of the image and swing-away design prevents loss of the lens.
- **Pneumatic Test Port** – ready-to-use one piece design.
- **Robust** – metal and impact resistant plastics are used to further reduce risk of accidental damage.

Before you begin

Carefully unpack your new OPTICLAR instrument and take a few minutes to familiarise yourself with the features and components of the set.

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

Selecting a power Supply

The OPTICLAR V-Scope Otoscope is designed for use with the OPTICLAR Adapt handle or E handle power supply systems and OPTICLAR wall units. Please refer to the instructions included with your power supply system before using your otoscope.

The full range of OPTICLAR power supply systems can be purchased separately through your local medical supplier. Please call 01202 601177 for details of your nearest OPTICLAR stockist.

Operating your OPTICLAR Otoscope

The otoscope is designed for examination of the outer, inner and middle ear and

enables the medical professional to recognise diseases and conditions within the ear and monitor treatments effectively. It can also be used for nasal and throat examination, removal of foreign bodies in the ear and nose and pneumatic resistance testing of the ear drum. Before you begin, please select a disposable speculum from the set (2.5mm paediatric or 4mm adult) and fit to the cone-shaped distal end of the otoscope by twisting in a clockwise direction.

Disposal and re-ordering of Speculae

The speculae are designed for single patient use and must be disposed of in clinical waste after each patient. Your set includes 4 x 2.5mm and 4 x 4mm speculae and extras can be ordered from your medical supplier using the following codes:

100.250.000 2.5mm o.d. disposable single patient use tips - Heine compatible
100.400.000 4.0mm o.d. disposable single patient use tips - Heine compatible
100.500.000 5.0mm o.d. disposable single patient use tips - Heine compatible
100.275.000 2.75mm o.d. disposable single patient use tips - WA compatible
100.425.000 4.25mm o.d. disposable single patient use tips - WA compatible
700.000.015D 4.0mm o.d. single use vet tip 61mm length
700.000.016D 6.0mm o.d. single use vet tip 61mm length
700.000.017D 9.0mm o.d. single use vet tip 61mm length

Turning On and Off

Turn on the Otoscope by twisting the rheostat control on the top of your chosen power supply handle. The LED will come on and the light will be visible from the distal end of the otoscope cone, directly where it is required during examination. Perform the examination and switch off immediately after use to conserve battery power.

Performing Dynamic Otopscopy

The OPTICLAR V-Scope includes a port for pneumatic / insufflation testing of the ear drum. By purchasing the optional insufflation adaptor and bulb, a small amount of air can be puffed in to the ear canal to test for resistance in the ear drum from build up of mucus in the inner ear. This is a rudimentary visual test and should only be carried out by a Doctor or other qualified medical professional. Please order the insufflation adaptor and bulb from your local medical supplier using the following codes:

100.000.019 Insufflation bellows

Swivel Lens and Working with External instruments

It is possible to use a fine aural tweezer or forcep through the otoscope head, to remove foreign bodies from the ear. The 4.2x magnification viewing lens can be swivelled left or right to allow access through the otoscope head. Only fine instruments should be used and great care should be taken to not obscure the view excessively (for patient safety) and to not damage the fibre optic bundle at the distal end.

Care and Maintenance

The OPTICLAR V-Scope requires no routine maintenance. All external surfaces, **excluding windows and lenses**, can be cleaned using a damp cloth or suitable surface disinfectant, for example:

- Alcohol/Isopropylbasedwipes
- Sanicloth disinfectantwipes
- 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 batteries should be removed and the otoscope stored in a dry, safe location. Avoid excessive hot or cold temperatures and dusty environments.

Replacing the LED

OPTICLAR LEDs are guaranteed against failure for a period of 10 years from date of purchase. The LED is located in the base of the instrument head, which is accessed by removing the handle. To remove the LED, simply grip the exposed end and pull gently. Replace the LED taking care to protect it from damage and fingerprints.

Warranty

Your OPTICLAR V-Scope 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 LEDs 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.

Statutory Regulations

In accordance with local regulations this product should be disposed of as an electronic device separately. Applied Part BF. Do not open the instrument or battery handle in the vicinity of the patient.



UNPACK



READ BEFORE USE



ONLINE



CAUTION

L28



Apertures L28 and AL68



With contrast filter



With polarisation filter

L28 Lens range

- 25 20 15 1-10 1-10 12 15 20 40 +

AL68



Easy to operate lens wheel for superior focus

Select from 3 filter settings: Redfree, Clear, Polarised

Smooth action thumb wheel for aperture selection

AL68 Lens range -30 to +38 full range in single diopter steps

- 30 38 +

The LED is situated in the base of the head.
Remove the handle to access the LED for replacement

OPTICLAR

VISIONMED
LED

YOUR OPTICLAR DEALER IS:

OPTICLAR is a brand and trademark owned and manufactured exclusively for 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.



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

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 battery handle in the vicinity of the patient

OPTICLAR

VISIONMED
LED

L28/AL68 Ophthalmoscope



Opticlar Vision Med L28 and AL68 Ophthalmoscope

Instructions for Use

Congratulations on the purchase of your new OPTICLAR 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 features included in your new OPTICLAR Ophthalmoscope:

- **LED illumination source** – superior, brighter, homogenous illumination provides a clear retinal image with excellent colour-rendering.
- **Economical** – incredible LED life of more than 10,000 hours.
- **Co-Axial Optics** – produces a superb image with edge-edge clarity and a large retinal view even through undilated pupils.
- **Multiple Filters** – including cobalt blue, green and polarisation.
- **Choice of Lens Range** – 28 lenses on L28 and 68 lenses on AL68 ophthalmoscope, for specialist use.
- **Dust Resistant** – the instrument is sealed on all openings to prevent ingress of dust and particles in to the instrument.
- **Robust** – metal and impact resistant plastics are used to further reduce risk of accidental damage.

Before you begin

Carefully unpack your new OPTICLAR instrument and take a few minutes to familiarise yourself with the features and components of the set.

Selecting a Power Supply

The OPTICLAR L28 and AL68 Ophthalmoscopes are designed for use with OPTICLAR'S Adapt handle or E handle power supply systems and OPTICLAR wall units. Please refer to the instructions included with your power supply system before using your Ophthalmoscope.

The full range of OPTICLAR power supply systems 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 ophthalmoscope is designed for direct 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 rear section of the retina, including the optic disk and macula regions and using the functions of the ophthalmoscope, adjust colour, light and focus 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.

Before you begin, make sure the patient is seated and comfortable. Prepare the ophthalmoscope by checking you have power, select a normal aperture (medium spot) and neutral (0) lens. We recommend you start with a reduced brightness, especially with young and elderly patients who are particularly light sensitive. The examination should be performed with the practitioners left eye to the patients left eye and right eye to right eye. Ask the patient to look at a fixed point over your shoulder. Look through the ophthalmoscope and bring the light in front of the patients eye from a distance of about 30cm, until you see the red-reflex in the patients pupil. Move closer to the patient, until you are looking through the pupil from a distance of a 1-2cm from the patients eye, almost cheek to cheek. You should now have a view of the posterior section of the patients retina, including the macula and disc. You can adjust the brightness and focus to improve the image and add aperture filters as required. Complete the examination and repeat in the opposite eye as necessary.

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.
2. Start with a lower light output and increase slowly to limit pupillary reaction to the light.
3. Use the lens wheel to sharpen the image focus.
4. If you are dilating the pupil with drops, then make sure the patient does not drive for 2 hours following the examination.

Features of the Ophthalmoscope

The OPTICLAR L28 and AL68 ophthalmoscopes are packed with features to assist you in performing your examination:

Lens selection:

L28 -30d, +20d, -15d, -12d, -10d to -1d, 0, +1d to +10d, +12d, +15d, +20d, +30d

AL68 -30d to -1d (single diopter steps), 0, +1d to +38d (single diopter steps)

Aperture Selection:

Small Spot – macula fixation / pin spot

Medium Spot – general examination, light sensitive patients

Large Spot – general examination through a large or dilated pupil

Slit – for determining surface changes on the retina and cupping of the optic disk

Fixation Graticule – for central fixation of the macula and referencing of retinal changes

Cobalt Blue Filter – for corneal examination using a fluorescent to detect abrasions and other injuries.

Filter Selection:

Clear White – for normal examination with 100% illumination.

Polarising Filter – softens the light to reduce glare and is particularly suitable for light-sensitive patients.

Green Filter – removes red-spectrum light for better contrast of the image. The foveal reflex is seen better with a red-free light.

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.

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 LEDs 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.

Statutory Regulations

In accordance with local regulations this product should be disposed of as an electronic device separately. Applied Part BF.

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



UNPACK



READ BEFORE USE



ONLINE



CAUTION