

OPTICLAR

VISIONMED

LED

S1 FO LED Otoscope



Disposable tips come in 2.5mm/2.75mm and 4.0mm/4.25mm diameters and are attached with a simple clockwise turn to lock on.



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

Head available in two versions.

1. 'W' Type. Standard Opticlar tip fitting compatible with Welch Allyn ear tips.
2. 'H' Type. Tip fitment compatible with Heine ear tips.



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



Port for attaching insufflation adapter and bulb is shown extruding from head on the right.

OPTICLAR VisionMed S1 Fibre Optic Otoscope

If your otoscope head is marked with a 'W' it is compatible with Welch Allyn tips, or with 'H' it is compatible with Heine tips.

Instructions for Use

Congratulations on the purchase of your new OPTICLAR S1 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 S1 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 10,000 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 3x 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 S1 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 Oscope

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:

W 100.275.000 2.75mm o.d. disposable single patient use tips

W 100.425.000 4.25mm o.d. disposable single patient use tips

H 100.250.000 2.5mm o.d. disposable single patient use tips

H 100.400.000 4.0mm o.d. disposable single patient use tips

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 Otoscopy

The OPTICLAR S1 Otoscope 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 3x 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. For more specialist ENT applications, OPTICLAR offer an operating type Otoscope, that allows full and easy access to the ear for the introduction of instruments. Order from your local medical supplier using the following code:

100.000.012 OPTICLAR Operating Otoscope

Care and Maintenance

The OPTICLAR S1 Otoscope 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 / 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 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 S1 Otoscope 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

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.

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 Protection Class I 

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 power supply in the vicinity of the patient