

PRIMA & NOVA Otscope

Operating Instructions

Attention:

Thank you for purchasing our otoscope. The operator/user must carefully read and understand this manual thoroughly to keep the product performance durable and reliable for longer period. This product meets the most stringent requirements regarding the selection of quality manufacturing materials and also the final control.

Features:

These Oscopes are extremely helpful in examining the external acoustic duct and the tympanic membrane. These otoscopes are available in two different models and 3 different configurations.

Prima Oscopes are equipped with an easy to use Bayonet locking system, whereas the other model Nova, is equipped with a simpler Screw Locking system.

Both models are equipped with a 2.5 V Vacuum lamp and are powered by two 1.5V "C" type alkaline batteries.

All types of Oscopes are equipped with a rheostat to adjust the intensity of light, a removable magnifying glass window allowing a 3X magnification and an adaptor for air insufflation to check the mobility of the tympanic membrane.

These Oscopes are packed in an imitation leather case and are equipped with five autoclavable Ear Cannulas 2.5, 3.5, 4.5, 5.5 & 9.0 mm.

Note: All these Oscopes are also available in Blue, Green, Red and Yellow colors apart from the Standard Black color. The following Accessories / spares are available for all models of Oscopes:

808-201-25 Reusable Ear Cannula No.1, Black 2.5 mm

808-202-35 Reusable Ear Cannula No.2, Black 3.5 mm

808-203-45 Reusable Ear Cannula No.3, Black 4.5 mm

808-204-55 Reusable Ear Cannula No.4, Black 5.5 mm

808-205-90 Reusable Ear Cannula No.5, Black 9.0 mm

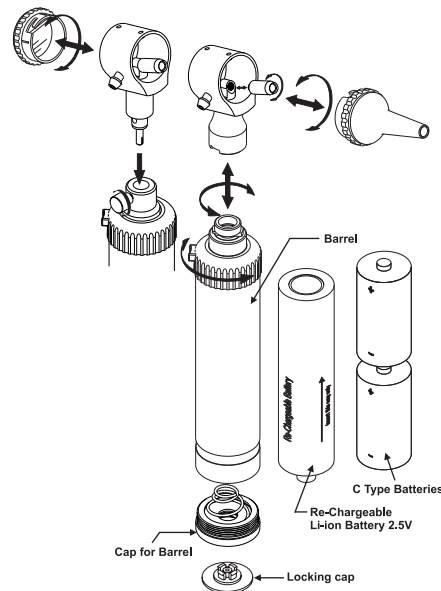
833-009-25 2.5V Vacuum Lamp.

808-244-01 Adaptor For Disposable Ear tips, EU Fitting

808-211-25 Disposable specula Dia 2.5mm Grey Color, (Box of 250)

808-212-40 Disposable specula Dia 4.0mm Grey Color, (Box of 250)

Note: The product or its components cannot be used for purpose different from the one specified in the present manuals



Precautions:

- It shall not be dipped into water. When cleaning, Make sure that the lamp socket or the battery compartment is not soaked with water.
- The product shall be used by qualified medical personnel only, in out-patients' department. It is not conceived for the employment in operation room. Due to its powerful luminous intensity, it is advisable not to directly point it at eyes.
- Do not use the equipment in case it is damaged. Apply to your retailer.
- Avoid precarious repairs. Repairs shall be carried out with original spare parts only, which shall be installed according to the intended use.
- Since the product is made of corrosion-proof materials suitable for the environmental conditions foreseen for its normal use, it does not require special care. However it is necessary to store it in a closed place making sure that it is protected from dust and dirt to assure its hygienic conditions.

Unpacking:

Always remember that packing elements (paper, cellophane, stitches, adhesive tape, etc.) can cut and/or hurt if they are not carefully handled.

They shall be removed with adequate means and shall not be left at the mercy of irresponsible persons; the same is valid for tools used to remove packages (scissors, knives, etc.).

After opening the packages, first of all it is necessary to check all pieces and parts against the standard configuration. Check that they are all present and in perfect conditions.

Installation:

- Before using it, it is necessary to insert the batteries into the Handle compartment. Proceed as follows:
- Open the battery compartment. To do this, turn the end cap counter clockwise.
- Once opened, insert the batteries paying attention to the direction of poles (see picture).
- To close the battery compartment, screw down the cap clockwise and check that the batteries are in contact with poles.

To dis-assemble the Nova Otscope unit, proceed as follows:

- For Nova Oscopes with screw locking system, it is necessary to slightly unscrew the knob located on the side and pull up the head while tightly holding the otoscope handle.
- To reinstall the head unit on the handle, it is sufficient to insert it again into the handle, taking care that the notch present on the head bottom matches with the knob. At this point it is sufficient to exert a light pressure towards the bottom and screw the knob.

In case of Prima Oscopes with bayonet locking system, Proceed as follows:

- It is necessary to hold the Otscope handle and head in each hand and turn the head counter-clockwise until a click is heard. At this point it is possible to take the head off.
- To re-attach the head, match the bayonet grooves on both the head and handle, push the head down and turn the head clockwise.

The operation necessary to remove and replace the speculum is very simple:

- Turn the speculum counter clockwise and draw it out of its seat.
- To re-attach the speculum, insert it into the head by matching the grooves with the small pivot and turn clockwise.

Operation:

First of all it is necessary to choose the size and the type of speculum suitable to the acoustic duct to examine.

Besides the ones provided as standard, on request disposable specula in two different sizes can also be used by attaching a special adaptor (808-244-01) to the head. These Specula are available, in Standard grey color as well as Blue, Green, Red, Black and Yellow colors. (see picture).

The examiner shall turn on the light by means of pushing the white button and slowly rotating the black knob clockwise to attain the desired light intensity required. The unit can be switched off by rotating the knob counter clockwise until an audible click is heard when the white button locks itself in the Off position ensuring that the light is off.

Maintenance:

- Periodically check the battery condition, making sure that no sign of corrosion or oxidation is present, in case they have to be replaced, it is highly recommended to use new Alkaline ones. Carefully handle the batteries as the liquids they contain can irritate skin and eyes.
- Before using, thoroughly check the product and accessories (If Provided). The same operation shall be carried out after cleaning.
- Check that the connection between the head and the handle is perfect and that the rheostat works correctly. If the light is intermittent or in case it does not turn on, check the bulb, the batteries and the electric contacts.
- In case the bulb stops working, it is possible to replace it with original spare lamp (See detail of spare parts list). To replace the bulb, it is necessary to detach the speculum, turn the bulb counter-clockwise (see picture). It is advisable to use only original bulbs.
- Before removing the bulb, make sure that the instrument has been turned off for some minutes, otherwise you run the risk of being burnt.
- Check that the magnifying glass is clean; on the contrary it can be removed and cleaned. (see Picture). It is advisable to always have new bulbs and batteries at disposal for the maximum light. The Otoscope head and handle can be cleaned with a cloth soaked with disinfectant; however they cannot be dipped into liquids. The speculum can be sterilized in boiling water or in an autoclave. Alternatively, cold disinfectants can be used with the same concentration used to sterilize medical instruments.

Warranty:

The product has been conceived to last forever; it is resistant to most part of chemicals except for methyl ethyl ketones (M.E.K.), diluents and nail polish removers. All internal parts are brass and Chrome plated to prevent rusting. If the lamp is exposed to humidity remove the batteries, thoroughly dry to avoid short-circuits.

- The product has 3 years warranty, valid from the date it is shipped out. During the warranty period free repair and/ or replacement of any defective parts due to faulty manufacture will be given, labor, postal, transport and packaging charges etc. are not included. The guarantee therefore excludes components subject to wear and tear such as parts in rubber or PVC, etc.
- No compensation will be given for improper use of the product.
- Furthermore, replacement or repairs affected during the warranty period do not lengthen the duration of the guarantee.
- This warranty is void in the event of repairs affected by unauthorized persons or with spare parts not approved by Medical Devices, damage or defects caused by negligence, blows, abnormal Use of the appliance or faulty installation.

ISO 13485:2016

cGMP



The Product of ISO Certified Company



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