

**USER MANUAL FOR VISIO 4000 WALL TRANSFORMER**

Before using Visio 4000 Wall Transformer read instructions carefully and keep them in safe place for future record.

Applied Part BF Fuse

~ AC Powered

**For U.S. Only:**  
Federal Law restricts this device to sale by or on the order of a Physician or Practitioner

**In Accordance with local law Regulations the product should be disposed off as an electronic device separately.**

A convenient, modular package that puts everything needed for fast, accurate diagnoses at arm's length. By combining a wall aneroid, ophthalmoscope, otoscope, specula dispenser, Medical Devices (Pvt.) Ltd. puts all the basic diagnostic tools within easy reach. The system is attractive, modular, and easy to order and install.

The **VISIO 4000** Wall Transformer is the perfect solution for hectic everyday clinical and hospital life. The unit has a centralized electrical supply, eliminating the need for conventional and rechargeable batteries. Customize your Wall Set to match your individual needs.

**Intended Use:**  
VISIO 4000 Wall Transformer serves as a constant power source (3.5VDC) for VISIO 2000 Otoscope & VISIO 2000 Ophthalmoscope eliminating the need for conventional & rechargeable batteries; intended to use in sensitive diagnosis and examining eye side, acoustic duct and tympanic membrane of human body.

**Features:**

- a. Basic Unit equipped with 2 handles. Each handle fitted with a **VISIO 2000** Otoscope head and a **VISIO 2000** Ophthalmoscope head.
- b). The unit provides a constant 3.5V output voltage independent of mains voltage function. This ensures the right amount of light for each examination.
- c). Automatic On/Off switching of the handles. The instrument turns off automatically once the handle is placed in the cradle.
- d). Soft start avoids current surge during switch-on phase, protecting bulbs from damage.
- e). Non-Slip, ergonomic handle design.

- f). Handle equipped with a brightness control mechanism for variable regulation of light.
- g). Spiral cable enables a working radius of 3 meters.

**Catalogue:**

* Complete Unit	808-670-35
* Handle	808-670-02

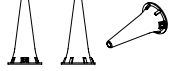
**Accessories:**

* Otoscope Head	808-536-35
* Ophthalmoscope Head	808-572-35

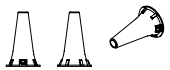
* Dispenser for Disposable Eartips.	808-217-00
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* Disposable Eartip Dia 2.5mm Grey Color, (30 Packs of 30 for Dispenser)	808-215-25
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* Disposable Eartip Dia 4.0mm Grey Color, (30 of 30 for Dispenser)	
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* Otoscope Bulb	833-070-35
* Ophthalmoscope Bulb	833-031-35

* Power cable EU Type	808-053-02
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* Power cable US Type	808-053-03
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**Specifications:**

Input:	100-240V~, /50/60Hz
Power:	40VA max
Fuse:	2 X 1 Amp
Output Voltage:	3.9V
Output Current:	max 800mA
Protection Class:	I
Operation:	Continuous with intermittent loading, Continuous Operation time for both handles is 1 min on & 10 min off

Application part: Type BF  
Dimensions: 20mm (22cm) x 185mm (18.5cm),  
Weight:

**Precautions:**

- The handles should be handled carefully. No modification of this equipment is allowed.
- 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.
- Broken bulbs can cause injuries or cut. Carefully handle and immediately replace.

**Storage:**

Since the product is made of corrosion-proof materials suitable for the environmental conditions foreseen for its normal use, does not require special care, however it is necessary to Store it in such a way to make sure that it is protected from dust, and water to assure its hygienic conditions and protection against short circuit during operation.

**UNPACKING:**

Always remember that packing elements (paper, cellophane, stitches, adhesive tape, etc.) can cut and/ or hurt if they are not carefully handled. They should be removed with adequate means and should 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 composing the product. Check that they are all present and in perfect conditions.

**Installation:**

Fasten wall bracket on the wall with enclosed screws, making sure that the sliding sides of wall bracket face away from the wall and the smooth surface of the wall bracket is flush with the wall (as shown). Depending on the sliding surface, alternative screws may be needed. Note that the bracket should be placed so that the widest portion of the plate is horizontal. When screws are tightened, there will be no gap between the screw head and surface of the plate.

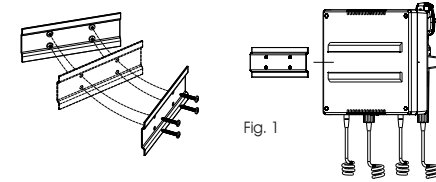


Fig. 1

Mount the unit by sliding/dragging the two cutting line on the backside of unit over sliding arms of wall bracket on the wall. Plug into 100 or 230V, 50 or 60 Hz AC and unit is ready for use. It is recommended to install the product before use.

**Operation:**

Power Cord should be plugged in a properly grounded socket. After plugging the power cord into outlet, turn the power switch to ON position. The attached instrument head will automatically light up when handles are lifted from the handle cradle. Adjust rheostat on handle until desired light is obtained. Turning rheostat clockwise will decrease the light, counterclockwise increase light output. Rheostat does not turn the instrument completely off. Fixing the handle to the cradle will turn the instrument completely off. An optical sensor mounted in the handle cradle turns the instrument head ON and off automatically. When the unit is not in use for more than few hours, turn power switch to 0 position to ensure longer operating life.

**Note:**

The Otoscope and Ophthalmoscope is intended for short term treatment ≤ 1 minute with a break of 10 minutes between applications. The maximum temperature at the application point at an ambient temperature of 40 °C and in continuous operation is 48 °C.

**Use and Maintenance:**

- Before removing the diagnostic unit, make sure that switch is off.
- Any unauthorized modification/service may cause short circuit that may damage the unit, so always contact the authorized person or send the unit back to the

Switch Off the Unit Completely before changing the lamp

**Changing the Lamp in Otoscope Head:**

With the VISIO 2000 F.O. Otoscope, first unlock the head from the handle and pull the lamp (D) downwards as in Fig.2. Push in the new lamp.

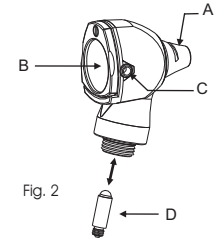


Fig. 2

Replacement Lamp, 2.5V	833-033-25
Replacement Lamp, 3.5V	833-070-35

**Changing the Lamp in Ophthalmoscope Head:**

Unmount the ophthalmoscope head from the handle and pull the lamp (G) downwards as in Fig.3. Wipe the new lamp glass clean and insert it so that the locating pin (H) fits into the slit.

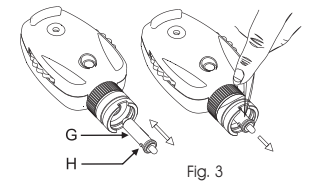


Fig. 3

Replacement Lamp, 2.5V	833-029-25
Replacement Lamp, 3.5V	833-031-35

**Cleaning:**

Do not sterilize the product. It can be cleaned and disinfected using 70% Isopropyl alcohol. Avoid using abrasive cleaning material.


**i) Lens:**

The lens can be cleaned by using a moistened cotton-tipped applicator with a solution of water with mild detergent. Do not use abrasive Ultrasonic cleaner, alcohol or other chemicals to clean the lenses as this degrades lens or mirror quality, as they will scratch the coated surface of the lenses.

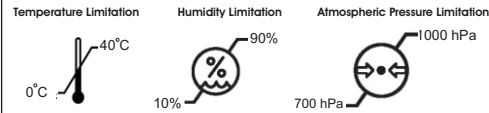
**ii. Handle:**

Remove the unit from supply mains before cleaning. The handle can be cleaned with a moist cloth. Handle should not be dipped into water. While cleaning, make sure that lamp is not soaked with water.

 Periodically check the handles and unit.

 Autoclaving and Flash sterilization the handle will result in severe electrical damages.

**Operating Temperature:**



**Transport/storage:**




**Warranty:**

This product meets the most stringent requirements regarding the selection of quality manufacturing materials and also the final control. The product has a 3 Years warranty, valid from the date it is delivered by Medical Devices (MD).

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 plastic, Wires, electrodes and packing etc.

No compensation will be given for loss of use of the product.

Further more replacement or repairs affected during the guarantee period do not lengthen the duration of the guarantee.





















 This guarantee is void in the event of repairs affected by unauthorized persons or with spare parts not approved by MD, damage or defects caused by negligence, blows, abnormal use of the appliance or faulty installation.

Thank you for having acquired our product.

For repairs, send unit to,  
 Medical Devices (Pvt) Ltd  
 Wazirabad Road Ugoki Sialkot,  
 Pakistan.

**Explanation of the Utilized symbols:**

The following symbols are used on the Device or on the packaging:

	The CE mark indicates that the product complies with the European medical device directive 93/42/EEC
	Serial number
	Catalogue- or order number
	Manufacturer
	Year of manufacture
	Temperature limitations for Operation, Storage and Transport
	Humidity limitation for Operation, Storage and Transport
	Pressure limitation for Operation, Storage and Transport
	BF type applied part
	Protective Earth
	The Product is for indoor use only
	The Product should be disposed off in accordance with the local law regulations as an electronic device separately
	Alternating current AC
	Direct current DC
	The device contains protection fuse.
	Do not use if damaged
	Follow Instructions for use
	Keep dry!
	Handle with care
	The Visio 4000 Wall Transformer is UL Classified

ISO 13485:2016  
 cGMP  
 CE

**For USA and CAN only**

ANSI/AAMI ES60601-1: A1:2012, C1:2009/(R)2012 and A2:2010/(R)2012, CSA CAN/CSA-C22.2 NO. 60601-1:14



The Product of ISO Certified Company



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Ref # IFU/03/021

**VISIO**  
 4000

**WALL TRANSFORMER UNIT**



**Medical Devices (Pvt) Ltd.**