



Instructions for Use



Ophthalmic Operator's Chair EOS-2600

REF





Please read the Instructions for Use before assembling or using the device to ensure correct and safe operation. Always follow the procedures in the Instructions for Use. If you have any questions or concerns, please contact the distributor or manufacturer. Keep the Instructions for Use at hand for quick reference. If you have lost the Instructions for Use, please contact the distributor or manufacturer to obtain a new copy.

Due to continuous improvements and to ensure the highest quality of our products, the manufacturer reserves the right to modify and make improvements to the device. Therefore, the actual dimensions and weight of the product may differ slightly from the specifications.

Contents

1. General	3
1.1 Intended purpose	3
1.2. Description of the device	3
1.3 Indications	3
1.4 Contraindications	3
1.5 User	3
1.6 Medical device class	3
2. Technical specifications	3
2.1 Physical specifications	3
2.2 Electrical specifications	5
2.3 Operating conditions	5
2.4 Storage conditions	5
3. Assembly.....	6
3.1 Set content	6
3.2 Main components	7
3.3 Preparation for commissioning	8
4. Operation.....	10
4.1 Control LEDs	10
5. Disinfection.....	12
5.1 COVID-19 disinfection	12
6. Cleaning.....	12
7. Maintenance.....	13
8. Service inspections	13
9. Lifetime	13
10. Warnings.....	14
11. Disposal	14
12. Table of symbols	14
13. Manufacturer contact information	16
14. Distributor contact information	16

1. General

1.1 Intended purpose

Provides a functional workstation for an ophthalmologist, optician or optometrist.

1.2. Description of the device

The EOS-2600 is a multifunctional chair that provides maximum comfort for the operator while performing procedures. Ergonomic design, electrically adjustable seat height, adjustable armrests and back support allow you to set the optimal position. The brake and locking base guarantee stability while performing treatments, and the battery-powered design allows free movement.

1.3 Indications

In accordance with the recommendations of the ophthalmologist, optometrist or optician.

1.4 Contraindications

None

1.5 User

The device is designed specifically for use by health care professionals.

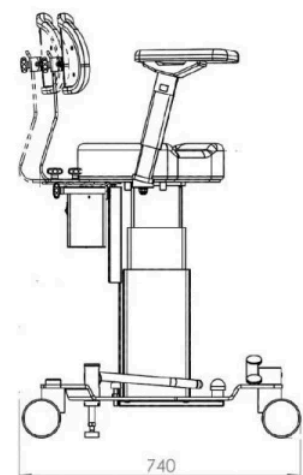
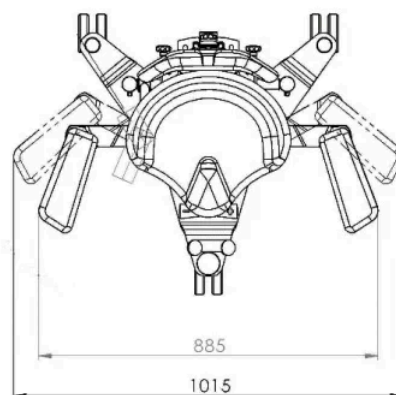
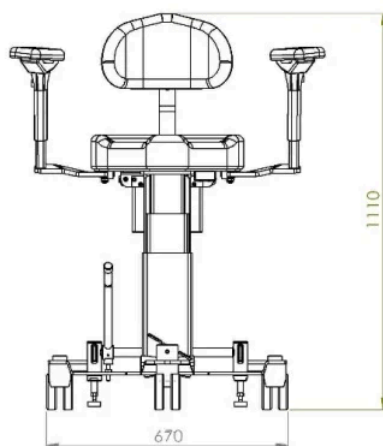
1.6 Medical device class

Class I medical device, CE mark, EU declaration of conformity.

2. Technical specifications

2.1 Physical specifications

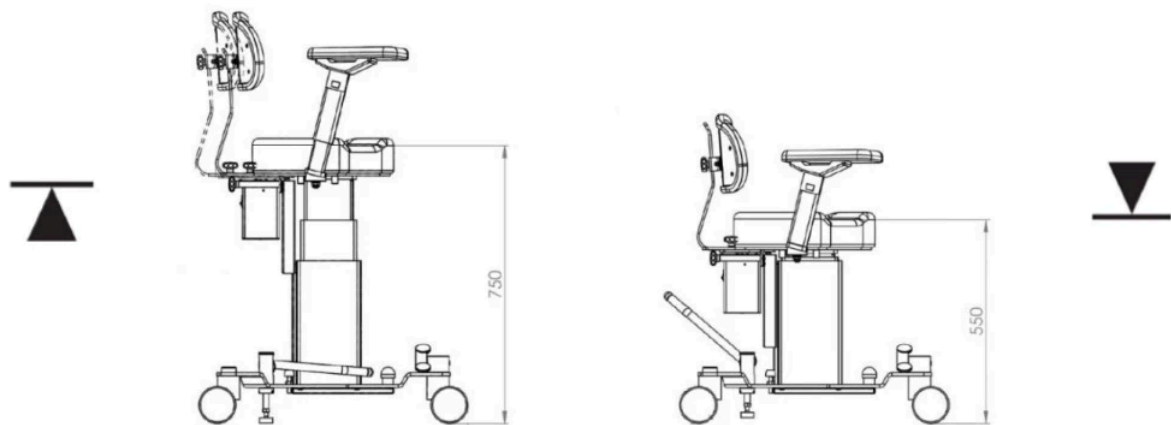
External dimensions [mm]:



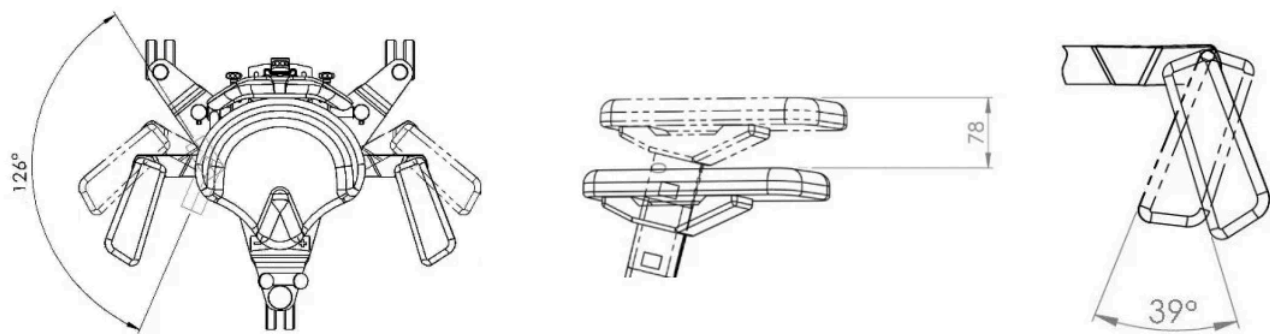
Castor diameter: 100mm

Seat thickness: 95 mm

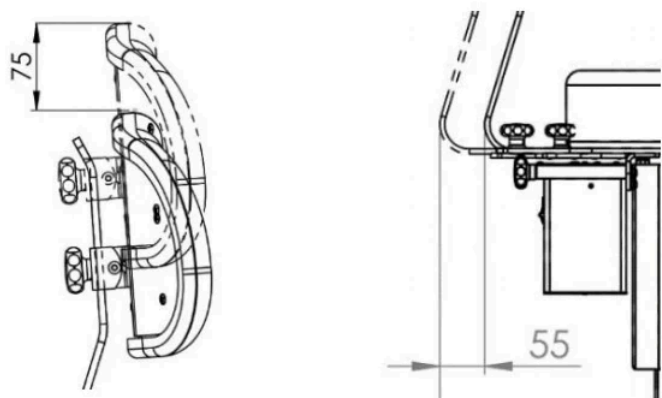
Seat - electric height adjustment [mm]:



Armrests - manual adjustment [mm]:



Backrest - manual adjustment [mm]:



Maximum load:



Net weight: 56kg ±2%

External dimensions of packaging with EPAL pallet: 120x80x100cm

2.2 Electrical specifications

- class I device,
- supply voltage: ~100-240V AC; 50/60Hz,
- battery supply voltage: 24V DC,
- battery capacity: 2x 2.2Ah,
- battery charging: via the mains adapter,
- IP rating: IPXO.

2.3 Operating conditions

The device is intended for indoor use.

- room temperature: $+10 \div +40^{\circ}\text{C}$
- average humidity: $30 \div 75\% \text{ RH}$

2.4 Storage conditions

The product should be stored in an original, firmly secured bulk packaging provided by the manufacturer.

- temperature: $0 \div +70^{\circ}\text{C}$
- average humidity: $10 \div 80\% \text{ RH}$



During transport and storage, do not stack pallets or place any objects on the packaging. This may cause mechanical damage which is not subject to warranty repair.

3. Assembly

The EOS-2600 is delivered on an EPAL pallet (1200x800x1000mm) as a ready-to-use product.



For reasons of safety and the weight of the individual components, assembly operations should be carried out by 2 people.



To avoid the risk of electrical shock, this device must only be connected to the mains with protective earth.



Do not use sharp tools to unpack the device to prevent damage. Mechanical damage due to careless unpacking is not covered by the warranty.



Disconnect the device from the power supply before carrying out any operations not associated with normal use of the device (e.g. cleaning, maintenance).



The device must not be installed or used in damp areas or near heating appliances. The device must be protected from direct weather exposure, in particular from sunlight and rain. If liquid or a foreign body gets inside the control unit, immediately disconnect the device from the mains supply.



If all connections have been made correctly, the indicator lights on the power supply and battery should light up. If no LED is lit, or if there is a malfunction of the control panel or no response to commands, contact ASP.



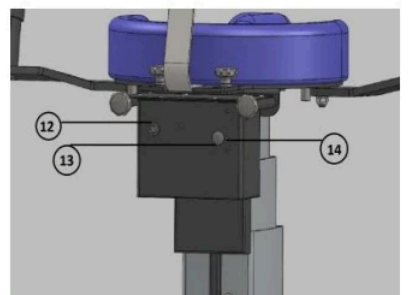
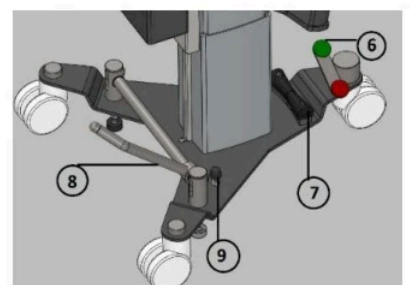
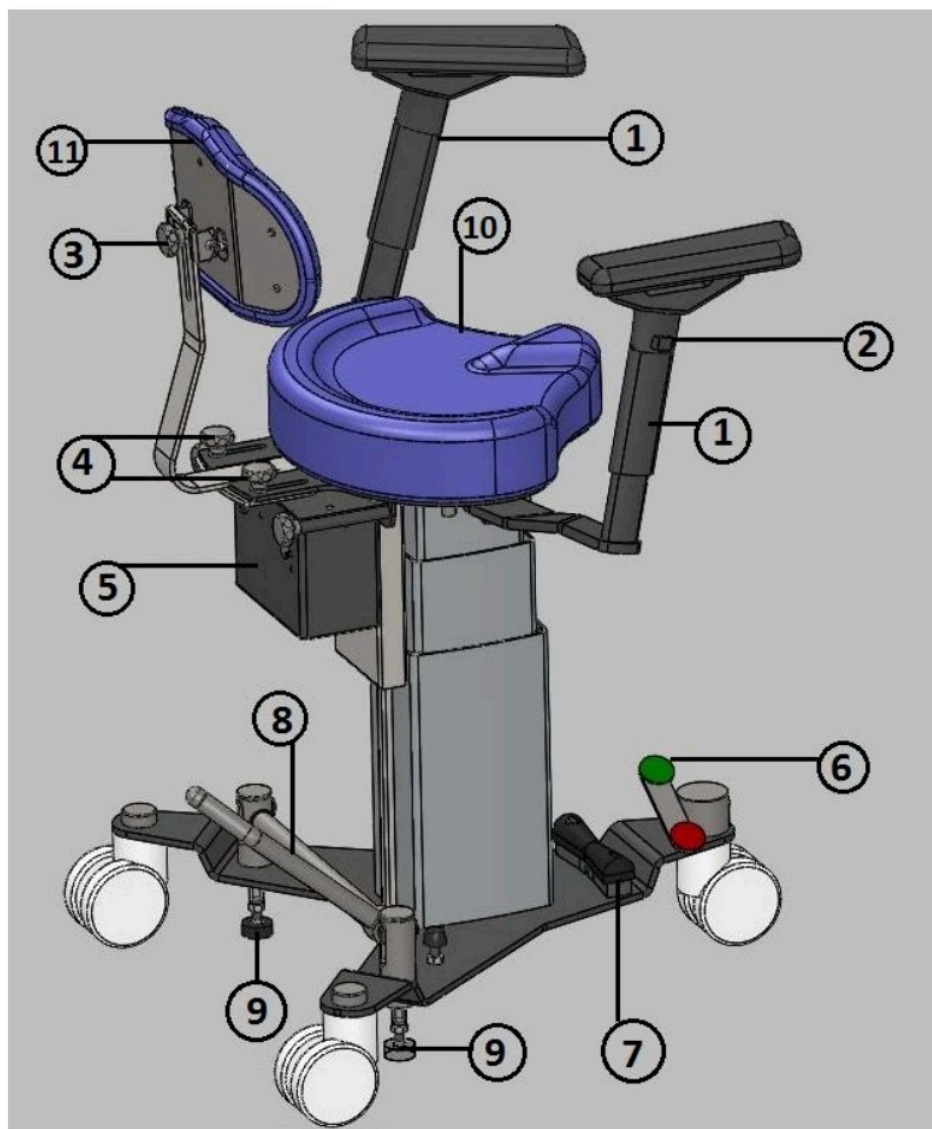
3.1 Set content

1x complete EOS-2600 operator chair,
1x battery power supply with 3PIN plug, 1x
C13/UniSchuko power cable,
Set of fuses:
- 2x 10A battery fuse,
- 2x 2A power sockets,
- 1x 10A 24V socket in the power supply unit,
- 1x 1A battery electronics.



3.2 Main components

1. Armrests
2. Armrest height adjustment button
3. Backrest height adjustment knob
4. Seat depth adjustment knobs
5. Battery
6. Brake
7. Seat height adjustment button
8. Base lock
9. Adjustable base locking feet
10. Seat
11. Seat backrest
12. Battery charging socket
13. Main ON/OFF switch
14. Indicator light



3.3 Preparation for commissioning

Assembly of all EOS-2600 components is done without the need for

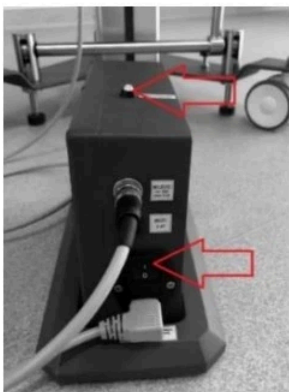
- tools:
- 1. Carefully unpack all the components and remove the EOS-2600 from the pallet by holding the steel base. Do not move the EOS-2600 while holding the armrests, as this may cause permanent damage to the armrests.
 - 2. Place the EOS-2600 on a firm surface.
 - 3. It is recommended to fully charge the battery before normal use. The battery should also be charged if the LED on the battery is RED. Make sure the O/I switch on the power supply is in the 0 position before connecting the power cables and starting charging.



- 4. Connect the power cable with 3PIN plug to the socket on the battery and to the power supply.



- 5. Connect the C13/UniSchuko power cable to the power supply and then to the mains.
- 6. Switch on the power supply (position I) – the LED on the power supply flashes RED/PURPLE several times and then turns GREEN.



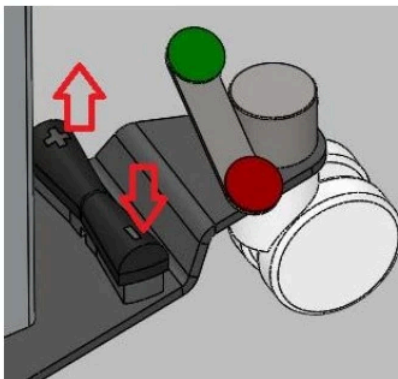
7. The indicator light on the battery will alternately flash RED/PURPLE to indicate correct charging (with the EOS-2600 switched off).
When the device is switched on (ON position), the LED turns GREEN, its flashing indicating correct charging. The EOS-2600 can also be used in an emergency while charging. However, this is not recommended by the manufacturer as it shortens the battery life. The end of charging and the battery's transition to the so-called maintenance mode is signalled by an indicator light:
 - when the EOS-2600 is OFF, the LED turns YELLOW,
 - when the EOS-2600 is ON, the LED turns GREEN and additionally flashes YELLOW every 1 s.
8. Once the battery is charged, switch off the power supply (position 0) and disconnect the power cable from the mains socket. Depending on how far the battery is discharged, a full charge takes about 6-8 hours.

4. Operation

- 1. Turn on the EOS-2600 (ON position). When the device is switched on (ON position), the LED turns GREEN, its flashing indicating correct charging. The EOS-2600 can also be used in an emergency while charging. However, this is not recommended by the manufacturer as it shortens the battery life.



- 2. Adjust the desired height of the EOS-2600 by pressing (+) for upward movement or (-) for downward movement, respectively. A single sound signals the movement of the seat column.



- 3. Adjust the armrests and backrest of the EOS-2600.
- 4. Before starting the treatment, lock the EOS-2600 base with the brake (6) and base lock (8).
- 5. When you have finished working, turn off the power to the device with the main **ON/OFF** switch (the indicator light on the battery should go out).

4.1 Control LEDs

- 1. Power supply

LED	LED status	Description
	GREEN lit	Power supply on, correct charging.
	RED lit	Blown or missing fuse. Contact ASP or the manufacturer.
	RED/PURPLE flashes	Device in self-test mode. If the problem persists after several seconds, contact the ASP or the manufacturer.

2. Battery

LED	LED status	Description
	Is not lit	Device switched off.
	RED lit	Battery discharged, recharge.
	RED lit PURPLE flashes	Battery defective, contact ASP or the manufacturer.
	RED flashes	No battery or blown fuse. Contact ASP or the manufacturer.
	RED/PURPLE flashes	Correct charging status when the main switch is off.
	RED flashes quickly	Device locked. Disconnect the power supply from the mains for approx. 30 sec. and reconnect. The LED turns GREEN. If the problem persists, contact ASP or the manufacturer.
	GREEN flashes	Correct charging status when the main switch is on.
	YELLOW lit	Main switch off, battery fully charged, maintenance mode. Disconnect the power supply.
	GREEN lit YELLOW flashes every 1 sec.	Main switch on, battery fully charged, maintenance mode. Disconnect the power supply.
	BLUE lit	Main switch off, battery overheated (temperature >40°C). When the temperature drops below 35°C, the device enters maintenance mode.
	GREEN/BLUE flashes	Main switch on, battery overheated (temperature >40°C). When the temperature drops below 35°C, the device enters maintenance mode.

5. Disinfection

Use commercially available dedicated products for disinfecting surfaces of medical devices and products recommended by the manufacturer (see below).



The materials used are not resistant to long-term exposure to disinfectants containing ≥48% ethanol.

Do not use disinfectants containing ≥70% ethanol to clean the information and warning labels (notices, labels, logos etc.). After disinfecting the device with an alcohol-free disinfectant (according to the manufacturer’s instructions), remove any remaining disinfectant residue from the device surface, see chapter CLEANING.

5.1 COVID-19 disinfection

Use products with reduced ethanol content and non-alcohol based products listed in the table below.

	Disinfectant name	NOTES
1.	Asepticare TB + II	
2.	Caviwipes XL Packed *)	
3.	Clorox Healthcare Bleach Germicidal Wipes *)	
4.	Hydrogen Peroxide Cleaner Disinfectant Wipes	
5.	Lysol Foaming Disinfectant Cleaner	
6.	OPTIM 1 WIPES	
7.	Oxivir TB Wipes *)	
8.	Oxycide Diluted - 3 oz/gl in water *)	
9.	PDI SANI-CLOTH BLEACH WIPES *)	
10.	Sanicloth AF 3	
11.	Septalkan Wipes	
12.	Sodium Hypochlorite Disinfectant / Bleach cleaner -	Dilution: 1:10 (bleach : water)
13.	VELOX FOAM EXTRA	
14.	VELOX WIPES NA	
15.	Virex II 256 *)	(1:256 dilution)
16.	Virox 5 Rtu	
17.	Wex Cide 128 *)	(1:128 dilution)

*) **the cleaning products and disinfectants** were classified by the EPA (U.S. Environmental Protection Agency) as effective against coronaviruses. Other disinfectants without *) are effective as specified in the product description and the information provided by the manufacturer/distributor.

6. Cleaning



Do not use chemical solvents, free oxygen or chlorine to avoid permanent damage or discolouration of the cleaned surface. If you have any concerns about the cleaning product or disinfectant, contact the manufacturer to obtain the detailed information.



For cleaning upholstery we recommend using a lint-free, damp cloth. It is allowed to use washing-up liquid when washing both the seat and other elements. In the case of seat upholstery and upholstery elements, the cleaning of the vinyl fabric should be carried out regularly using the appropriate procedures:

1. Each time after getting dirty, the upholstery should be cleaned with a clean, soft cloth soaked in warm soapy water (mixture 1:9 - neutral pH).
2. Dry thoroughly with a soft cloth or towel.
3. All stains, leaks or residues must be removed immediately to prevent permanent discolouration.
4. When cleaning the upholstery, it is forbidden to use solvents, abrasives, synthetic detergents, wax polishes, leather cleaners and aerosols, alcohol-based cleaners, oil-based cleaners, those containing ketone, xylene, acetates, etc.
5. Do not allow fabric to come into contact with pen ink, as some dyes, including indigo dyes commonly used in jeans, can migrate to the surface of the vinyl and become visible on lighter colours.

The manufacturer is not responsible for the transfer of dyes from clothing.

6. Do not dry clean the fabric, nor should it be treated like natural leather.

7. Maintenance



1. Checking the moving parts: all moving parts must be checked daily before use; if any abnormal noises occur, it is recommended to immediately lubricate all parts using commercially available lubricants.
2. Checking the bolted connections: all bolted connections must be checked daily before use and tightened as necessary. If not possible, report it to the Authorised Service Partner or manufacturer immediately.
3. Checking the power and connection cables: the condition of cable insulation must be checked daily before use. Report any damage or wear to the Authorised Service Partner or manufacturer, immediately. If you observe any damage, do not use the device until the problem is corrected.

8. Service inspections



The device requires biennial inspections by the Authorised Service Partner or manufacturer.

9. Lifetime

5 years from the date of purchase, provided that the service inspections are carried out.

10. Warnings



The device must be used in accordance with this Instructions for Use. The battery must be fully charged before first use. The correctness of the connections is indicated by the activation of all LEDs (on the power supply unit and the battery). The device should not be used near heating devices. Any abnormalities in the operation of the device must be reported immediately to ASP or the manufacturer. Disinfect the device before use.

Service inspections and repairs must be carried out by a qualified Authorised Service Partner’s or manufacturer’s personnel.

Do not:

- use the device if it is damaged or faulty;
- exceed permissible load;
- remove the data plate and warning labels.

11. Disposal



The owner of the device is responsible for safe and environmentally-friendly disposal of the device. Medical devices and waste packaging must be disposed of in accordance with the relevant environmental regulations. This device is an electrical and electronic equipment covered by Directive 2012/19/EU (WEEE). The individual components must be disposed of separately and may not be disposed of with the household waste. Correct disposal is not harmful to the environment and is not a hazard to the personnel handling the disposal. Make sure the device is disinfected in accordance with the hygiene guidelines for health care facilities, ophthalmology centres and hospitals.

12. Table of symbols

Symbol	Description
	Manufacturer
	Date of manufacture (year - month)
	Electrical and electronic waste for separate disposal
	Please read the Instructions for use
	CE marking
	Type/model
	Serial number
	Medical device
	Warning

	Max. load
	Main switch
	Initial position (minimum height)
	Maximum position (maximum height)
	Packaging content
	Tools
	External power supply
	Risk of electric shock
	Protective earth
	Manual cleaning
	Manual movement
	Check
	Service conditions
	This way up
	Fragile, handle with care
	Keep dry
	Do not stack
	Alternating current (AC)
	Direct current (DC)
	Do not open with knife
	Application type part B