

Slit Lamp Biomicroscope SL-1200, LED Illumination

Operating Manual

Ophthalmic Diagnostic Equipment

Intended use

Binocular slit lamp biomicroscope for magnified examination of the anterior segment of the eye and, with suitable auxiliary lenses, the posterior segment.

Intended users

For use by trained healthcare professionals (ophthalmologists, optometrists and supervised trainees). Follow your facility's protocols and applicable regulations.

Read this manual completely before first use and keep it with the product. This document provides general operating, care and safety guidance. Where the product is supplied with manufacturer labeling or instructions, those take precedence. For questions, a replacement copy, or a digital copy of this manual, email sales@scimedstore.com.

1. Safety

Safety warnings and cautions

- For use by trained healthcare professionals. Follow your facility's protocols and applicable regulations.
- Connect only to a grounded outlet with the supply voltage marked on the unit.
- Use the lowest illumination and shortest exposure that give an adequate view, according to clinical judgment.
- Clean and disinfect the chin rest and forehead rest between patients.
- Keep the patient's fingers clear of the base and moving parts.
- Switch off and unplug before cleaning, changing the fuse or servicing. Do not let liquids enter the housing.
- Do not use if the power cord or housing is damaged.

2. Package contents

- SL-1200 slit lamp
- 15x eyepieces
- Mirror
- Testing rod
- Dust cover
- Fuse
- Manual and installation guide

Check contents on receipt. Report missing or damaged items to sales@scimedstore.com within 48 hours of delivery.

3. Specifications

Model	SL-1200
Type	Galilean binocular
Magnification	3-step: 10x, 16x, 24x
Objectives	1x and 1.6x
Eyepieces	10x standard, 15x included
Slit rotation	0° to 180°
Illumination tilt	5°, 10°, 15°, 20°
Slit diaphragm	6 apertures
Filters	Cobalt blue, green, yellow, open
Illumination	LED
Dioptr adjustment	Per eyepiece
Base	Aluminum
Input voltage	110-240V

4. Unpacking and setup

- 1 Install the slit lamp on a stable instrument table according to the installation guide.
- 2 Fit the eyepieces and set each eyepiece dioptre for your eyes using the testing rod.
- 3 Adjust the eyepiece separation to your interpupillary distance.
- 4 Connect the power cord to a grounded outlet and switch on; check the LED lights.
- 5 Check that the joystick and base move smoothly.
- 6 Set the chin rest height so the patient's eyes align with the mark on the headrest.

5. Operation

Basic examination

- 1 Seat the patient with chin on the chin rest and forehead against the forehead rest.
- 2 Set the lowest magnification and a moderate light level.
- 3 Use the joystick to bring the eye into focus.
- 4 Adjust slit width, height and filter as needed for the structure being examined.
- 5 Change the illumination angle and slit rotation to view different areas.
- 6 Increase magnification for detailed viewing.
- 7 Turn illumination down before the patient leaves the chin rest and switch off after use.

Using filters

- 1 Select the cobalt blue filter for examinations requiring blue light per clinical protocol.
- 2 Select the green filter to improve contrast of blood vessels.
- 3 Select the yellow filter or open position as required.
- 4 Return to the open position at the end of the examination.

6. Cleaning and disinfection

- Switch off and unplug before cleaning.
- Wipe the chin rest and forehead rest with a facility-approved disinfectant between patients.
- Clean eyepieces, objective and mirror only with lens tissue and an optical cleaning solution.
- Wipe the housing and base with a soft, slightly damp cloth.
- Cover with the dust cover when not in use.

7. Maintenance and storage

- Keep the dust cover on when not in use.
- Check focus and dioptre settings with the testing rod periodically.
- Keep the base slide surface clean so movement stays smooth.
- Replace the fuse only with the type specified on the unit.

- Arrange service by qualified personnel for electrical or optical faults.

8. Troubleshooting

Problem	Likely cause	What to do
No illumination	Power off, cord loose or fuse blown	Check power and cord; replace the fuse with the specified type
Image blurred	Dioptré not set or dirty optics	Set dioptres with the testing rod; clean optics with lens tissue
Slit image and view not in the same place	Illumination and microscope misaligned	Check alignment with the testing rod; arrange service if it remains off
Joystick or base moves roughly	Dirt on slide surfaces	Clean the base slide surfaces
Double image	Eyepiece separation incorrect	Adjust interpupillary distance

9. Disposal

- Dispose of the slit lamp as electrical waste according to local regulations.

10. Warranty and support

Products are covered by SciMed's standard warranty (12 months from purchase unless a different period is stated on your invoice). Warranty terms: scimedstore.com/pages/warranty.

Support, spare parts and additional copies of this manual: sales@scimedstore.com. Please include your order number and a photo of the product or issue.

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