

300 mm Slit Lamp Objective Lens

Instructions for Use

Ophthalmic Equipment Accessory

Intended use

Replacement objective lens with 300 mm focal length for a 3-step slit lamp microscope, giving a longer working distance than a standard 200 mm objective where more clearance between microscope and patient is needed.

Intended users

For use by trained healthcare professionals and qualified technical staff. 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.
- Switch off and unplug the slit lamp before removing or fitting the objective.
- Hold the objective by its barrel only. Do not touch the lens surfaces.
- Support the objective while unscrewing so it cannot fall; dropping it can damage the glass and coating.
- Do not force the thread. If it does not turn smoothly, stop and check compatibility and alignment.
- Do not use alcohol-based or abrasive cleaners on the coated lens surfaces.
- Do not autoclave or heat-sterilize.

2. Specifications

Focal length	300 mm
Working distance	300 mm (vs 200 mm standard)
Coating	Anti-reflection multi-coated
Mount	Standard slit lamp objective thread
Compatibility	3-step slit lamp microscope; confirm fit for other models before use

3. Unpacking and setup

- 1 Switch off and unplug the slit lamp.
- 2 Support the existing objective and unscrew it from the microscope body. Place it in a clean, padded container.
- 3 Inspect the 300 mm objective for dust or damage and clean it with lens tissue if needed.
- 4 Align the thread of the 300 mm objective with the mount and screw it in by hand until it seats. Do not over-tighten.
- 5 Reconnect power and check the image through the eyepieces.

4. Operation

Using the extended working distance

- 1 Seat the patient at the slit lamp as usual.
- 2 Note that the focused position is about 300 mm from the objective, so the microscope will sit further back from the patient than with a standard objective.
- 3 Pull the microscope back with the joystick and focus on the area of interest.
- 4 Use the magnification changer and slit controls as usual.
- 5 Use the extra clearance for instruments or positioning as needed for the procedure.

Changing back to the standard objective

- 1 Switch off and unplug the slit lamp.

- 2 Unscrew the 300 mm objective while supporting it and store it in a protective container.
- 3 Fit the standard objective following the same steps as Setup.

5. Cleaning and disinfection

- Remove dust with a soft lens brush or a puff of clean air.
- Wipe lens surfaces gently with lens tissue moistened with a lens-cleaning solution suitable for coated optics, working from the center outward.
- Wipe the barrel with a soft, slightly damp cloth.
- Do not use alcohol-based disinfectants, abrasive cleaners or paper towels on lens surfaces.
- Clean and disinfect per facility protocol; do not autoclave unless labeled as autoclavable.

6. Maintenance and storage

- When not fitted, store the objective in a padded, dust-free container with lens caps on if available.
- Keep in a dry place away from extreme temperatures.
- Inspect the coating and thread periodically for damage.

7. Troubleshooting

Problem	Likely cause	What to do
Objective will not screw in	Thread misaligned or incompatible slit lamp	Unscrew, realign and try again by hand; confirm compatibility with your slit lamp model.
Image will not focus	Microscope too close to the patient	Pull the microscope back; focus is about 300 mm from the objective.
Hazy or low-contrast image	Dust or smudges on the objective	Clean the lens surfaces with lens tissue and suitable cleaner.
Image dim	Illumination setting or lamp issue	Increase illumination as needed and check the slit lamp lamp.

8. Disposal

- Dispose of a damaged or retired objective according to local regulations for glass and metal components.

9. 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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