

4-Mirror Gonioscope Lens

Instructions for Use

Ophthalmic Diagnostic Lens

Intended use

Contact lens for examination of the anterior chamber angle at the slit lamp, including indentation gonioscopy. For diagnostic use only.

Intended users

For use by trained healthcare professionals (ophthalmologists, optometrists, glaucoma specialists). 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.
- This lens contacts the cornea. Clean and disinfect between every patient.
- Use topical anesthesia according to clinical protocol and physician's judgment.
- Do not use on patients with contraindications to corneal contact (for example corneal abrasion, infection or recent penetrating injury) unless the examining clinician judges it appropriate.
- Apply only gentle pressure; excessive pressure can distort the angle view or cause corneal discomfort.
- Do not use for laser treatment. This no-flange lens is for diagnostic use only.
- Inspect the lens before use. Do not use if the contact surface is chipped or scratched.
- Do not autoclave or heat-sterilize; heat damages the anti-reflective coating.

2. Package contents

- 4-mirror gonioscope lens
- Protective foam-lined case

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

3. Specifications

Type	4-mirror gonioscope, no-flange
Mirrors	4 mirrors, each angled at 62°
View	Full 360° angle view without rotation
Optics	All-glass, multi-layer anti-reflective coated
Contact interface	No-flange, no coupling gel required
Laser use	Diagnostic use only; not rated for laser treatment

4. Unpacking and setup

- 1 Remove the lens from its case holding it by the handle or body, not the optical surfaces.
- 2 Inspect the contact surface and mirrors for damage and cleanliness.
- 3 Confirm the lens has been disinfected since the last patient.
- 4 Set up the slit lamp for the patient and select a moderate magnification and a short, narrow beam.
- 5 Instill topical anesthetic according to clinical protocol.

5. Operation

Angle examination

- 1 Ask the patient to place chin and forehead in the slit lamp rests and look straight ahead.
- 2 Steady your hand on the slit lamp and bring the lens gently onto the center of the cornea. No coupling gel is required.

- 3 Keep contact light and avoid tilting the lens, which can create folds or distort the view.
- 4 View each mirror in turn; each mirror shows the angle opposite to it.
- 5 Adjust the beam angle and focus to examine angle structures in each quadrant.
- 6 Keep the room lighting and beam as low as practical to avoid artificially opening the angle.
- 7 Record findings in your chosen grading system.

Indentation gonioscopy

- 1 With the lens centered on the cornea, apply gentle, controlled pressure toward the eye.
- 2 Observe whether the angle structures become visible in the mirror being examined.
- 3 Release pressure gradually and repeat in other quadrants as needed.
- 4 Interpret findings according to clinical judgment.

After the examination

- 1 Lift the lens gently off the cornea.
- 2 Clean and disinfect the lens as described below before returning it to its case.

6. Cleaning and disinfection

- Rinse the contact surface with cool water immediately after use to remove tear film.
- Wipe the contact surface with alcohol or an approved lens disinfectant per your facility protocol, observing the required contact time.
- Rinse with sterile water or saline if required by the disinfectant instructions and air dry.
- Clean mirror and outer optical surfaces with lens tissue only. Do not use abrasive cleaners.
- Do not autoclave. Clean and disinfect per facility protocol; do not autoclave unless labeled as autoclavable.

7. Maintenance and storage

- Store the lens dry in its foam-lined case.
- Keep away from extreme heat and direct sunlight.
- Inspect the contact surface regularly for scratches and chips; replace the lens if damaged.

8. Troubleshooting

Problem	Likely cause	What to do
Air bubbles or poor view	Lens tilted or not centered	Re-center the lens on the cornea with light, even contact.
Corneal folds distort the view	Too much pressure	Reduce pressure on the lens.
Glare or reflections	Beam too broad or angle not optimal	Use a short, narrow beam and adjust the beam angle.
Hazy image	Smudges on optical surfaces	Clean the surfaces with lens tissue and approved cleaner.
Patient discomfort	Insufficient anesthesia or excessive pressure	Re-assess anesthesia per clinical protocol and use lighter contact.

9. Disposal

- Disinfect the lens before disposal.
- Dispose of according to local regulations for glass and medical equipment.

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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