

Aspheric 2-Mirror Gonioscope Lens

Instructions for Use

Ophthalmic Diagnostic Lens

Intended use

Indirect contact lens for viewing the anterior chamber angle at the slit lamp. Two opposing mirrors allow the full 360-degree angle to be examined with a 90-degree rotation of the lens.

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.
- Inspect the lens before each use. Do not use a lens with chips, cracks or scratches on the contact surface.
- Clean and disinfect the lens between every patient to prevent cross-infection.
- Apply topical anesthesia and coupling gel only as directed by your clinical protocol and the physician's judgment.
- Do not press the lens hard against the cornea. Excessive pressure can cause corneal abrasion and distort the angle view.
- Do not autoclave or heat the lens. Heat can damage the coating and the glass.
- Handle the lens over a padded surface; dropping it can chip the glass or mirrors.

2. Package contents

- 2-mirror gonioscope lens
- Hard protective case with foam insert

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

3. Specifications

Type	Aspheric 2-mirror indirect gonioscope lens (Goldmann-style contact lens)
Mirror configuration	2 opposing mirrors inclined at 62 degrees
Coverage	360-degree angle view with 90-degree lens rotation
Material	Optical glass with anti-reflection multi-layer coating
Contact	Requires coupling gel
Contact surface	Small footprint; suitable for pediatric eyes and narrow palpebral fissures
Storage	Hard protective case with foam insert

4. Unpacking and setup

- 1 Remove the lens from its case and inspect the contact surface, mirrors and coating.
- 2 Confirm the lens has been cleaned and disinfected since its last use.
- 3 Prepare the slit lamp: adjust eyepieces, set a low illumination and a narrow, short slit beam.
- 4 Position the patient comfortably at the slit lamp with chin and forehead in the rests.
- 5 Prepare the coupling gel specified by your facility.

5. Operation

Placing the lens

- 1 Instill topical anesthetic according to clinical protocol.
- 2 Fill the concave contact surface with coupling gel, avoiding air bubbles.

- 3 Ask the patient to look up. Place the lower edge of the lens on the lower part of the eye and tilt it gently onto the cornea.
- 4 Ask the patient to look straight ahead. Hold the lens lightly with minimal pressure.
- 5 Check through the slit lamp that there are no air bubbles between the lens and the cornea; reseal the lens if needed.

Examining the angle

- 1 Direct the slit beam into one mirror. Each mirror shows the angle on the opposite side of the eye.
- 2 Examine the angle structures seen in both mirrors.
- 3 Rotate the lens gently by 90 degrees to view the remaining two quadrants.
- 4 Record findings according to your facility's documentation and grading method.
- 5 Ask the patient to look up, then break the seal gently at the lens edge and lift the lens off.
- 6 Rinse residual gel from the eye with sterile saline if your protocol requires it.

6. Cleaning and disinfection

- Rinse the coupling gel off the lens with clean, lukewarm water immediately after use.
- Clean and disinfect per facility protocol. The listing states the lens can be cold-soak disinfected with a high-level disinfectant or wiped with 70% alcohol. Rinse thoroughly with water after any chemical disinfectant.
- Do not autoclave or boil the lens.
- Dry the optical surfaces with lens tissue or a soft lint-free cloth. Do not use abrasive cleaners or rough cloths.
- Do not leave the lens soaking longer than the disinfectant manufacturer's stated contact time.

7. Maintenance and storage

- Store the clean, dry lens in its protective case when not in use.
- Keep away from extreme heat, direct sunlight and chemicals other than approved cleaning agents.
- Inspect the coating and mirrors regularly for scratches, haze or delamination.
- Replace the lens if the contact surface or mirrors are damaged.

8. Troubleshooting

Problem	Likely cause	What to do
Air bubbles in the view	Not enough gel or lens tilted on insertion	Remove the lens, refill with gel and reseal it.
Image hazy or low contrast	Residual gel, fingerprints or dirty mirrors	Clean and dry the lens surfaces with lens tissue.
Angle appears distorted or folded	Too much pressure on the lens	Reduce pressure and hold the lens lightly.
Reflections obscure the view	Beam angle or brightness too high	Lower illumination and adjust the beam angle slightly.
Lens will not stay centered	Patient movement or eyelid squeeze	Reassure the patient, ask them to fixate and steady your hand on the slit lamp.

9. Disposal

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

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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