

Streak Retinoscope, 2.5V Halogen, Rechargeable

Instructions for Use

Ophthalmic Diagnostic Instrument

Intended use

Hand-held streak retinoscope for objective refraction by observing and neutralizing the retinal reflex.

Intended users

For use by trained healthcare professionals (optometrists, ophthalmologists and supervised students). 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.
- Use the lowest light level that gives a clear reflex, and limit exposure time according to clinical judgment.
- The halogen bulb and head can become hot; let it cool before changing the bulb.
- Charge only with the charger intended for the handle, plugged into a grounded outlet of the correct voltage.
- Turn the instrument off and disconnect from the charger before cleaning.
- Do not allow liquids into the handle or head; do not immerse the instrument.

2. Package contents

- Streak retinoscope head
- Rechargeable metal handle
- Wooden carrying case

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

3. Specifications

Type	Streak retinoscope
Bulb	2.5V halogen
Power	Rechargeable battery pack in handle
Handle	Metal
Case	Wooden carrying case

4. Unpacking and setup

- 1 Fully charge the handle before first use.
- 2 Attach the retinoscope head to the handle securely.
- 3 Turn the instrument on and check that a bright, sharp streak is projected.
- 4 Check that the streak rotates and the focusing sleeve moves smoothly.
- 5 Have trial lenses or a lens rack ready at the working distance used in your protocol.

5. Operation

Streak retinoscopy

- 1 Seat the patient and have them fixate a distant target as directed by your protocol.
- 2 Sit at your chosen working distance and look through the peephole.
- 3 Direct the streak into the patient's pupil and sweep it across the pupil.
- 4 Observe whether the reflex moves with or against the streak.
- 5 Rotate the streak to find the principal meridians.

- 6 Add lenses in front of the eye until the reflex is neutralized in each meridian.
- 7 Correct for working distance and record the result.
- 8 Turn the instrument off after use.

6. Cleaning and disinfection

- Turn off and disconnect from the charger before cleaning.
- Wipe the handle and head with a soft cloth lightly dampened with a facility-approved disinfectant.
- Clean the peephole and front window with lens tissue only.
- Do not immerse and do not autoclave unless labeled as autoclavable.

7. Maintenance and storage

- Store in the wooden case when not in use.
- Recharge regularly; do not leave the battery fully drained for long periods.
- Replace the halogen bulb when the light becomes dim or uneven after charging.
- Keep in a dry place away from heat.

8. Troubleshooting

Problem	Likely cause	What to do
No light	Battery discharged, head not seated or bulb failed	Recharge, reseal the head, then replace the bulb if needed
Dim light	Low battery or aging bulb	Recharge fully; replace the bulb if still dim
Streak not sharp	Focusing sleeve position or dirty window	Adjust the sleeve and clean the window with lens tissue
Battery runs down quickly	Battery near end of life	Replace the rechargeable battery pack
Flickering light	Loose head or bulb contact	Turn off, let cool, reseal the bulb and head

9. Disposal

- Remove the rechargeable battery and recycle it according to local battery regulations.
- Dispose of the instrument 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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