

Universal Optical Trial Frame, Fully Adjustable

Instructions for Use

Ophthalmic Refraction Equipment

Intended use

Fully adjustable trial frame that holds trial lenses in front of the patient's eyes during subjective refraction and related vision testing.

Intended users

For use by trained eye-care professionals (optometrists, ophthalmologists, and supervised ophthalmic technicians). 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 eye-care professionals. Follow your facility's protocols.
- Check that all lenses are seated securely in the cells before placing the frame on the patient.
- Adjust the frame gently; do not force adjustment controls past their limits.
- Take care near the patient's eyes when inserting or removing lenses.
- Do not use a frame with cracked parts, loose screws or sharp edges.
- Clean and disinfect contact surfaces (nose pads, temples) between patients.

2. Package contents

- Universal trial frame x 1

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

3. Specifications

PD range	48-80 mm total (24-40 mm each side)
Temple length	98-135 mm adjustable
Nose bridge height	0-14 mm adjustable
Nose angle	0-30° adjustable
Axis scale	Left cell: -120° to 0° to 135°; Right cell: +45° to 180° to 60°
Lens rotation	360° per cell
Cell diameter	38 mm (standard trial lenses)
Weight	74 g

4. Unpacking and setup

- 1 Remove the frame from its packaging and check all adjustment controls move smoothly.
- 2 Clean and disinfect the nose pads and temples before first use.
- 3 Confirm the trial lenses you will use fit the 38 mm cells.

5. Operation

Fitting the frame to the patient

- 1 Measure or estimate the patient's PD.
- 2 Set the PD for each eye using the PD adjustment so each cell is centered on the pupil.
- 3 Adjust nose bridge height and nose angle so the frame sits level and comfortably.
- 4 Adjust temple length so the frame is stable without pressure behind the ears.
- 5 Check that the cells are level and centered, and readjust if needed.

Using trial lenses

- 1 Insert spherical lenses in the back cells closest to the eye.
- 2 Insert cylindrical lenses and rotate to the required axis using the axis scale.
- 3 Add prisms or auxiliary lenses in the remaining cells as required.
- 4 Change lenses one at a time, keeping fingers off the lens optical surfaces.
- 5 Record the final lens powers and axis readings.

6. Cleaning and disinfection

- Remove all trial lenses before cleaning the frame.
- Wipe nose pads, temples and frame surfaces with a soft cloth and a mild disinfectant compatible with plastics and metal, per facility protocol.
- Do not immerse the frame or use abrasive cleaners.
- Do not autoclave unless labeled as autoclavable.
- Dry fully before storage.

7. Maintenance and storage

- Store in a clean, dry place, protected from dust and impact.
- Check adjustment controls and scales for smooth movement and legibility regularly.
- Tighten loose screws carefully with a suitable small screwdriver.
- Avoid exposing the frame to heat or direct sunlight for long periods.

8. Troubleshooting

Problem	Likely cause	What to do
Frame tilts on the face	Nose bridge or temple length not adjusted	Readjust nose height, nose angle and temple length.
Lenses fall out of cells	Lens not fully seated or wrong lens diameter	Reseat the lens; use standard 38 mm trial lenses.
Cylinder axis drifts	Cell rotation loose	Recheck axis before reading; contact service if rotation does not hold.
Adjustment control stiff	Dirt or debris in mechanism	Clean gently; do not force the control.

9. Disposal

- Clean the frame before disposal.
- Dispose of in accordance with local regulations for mixed metal and plastic items.

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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