

RAF Near Point Ruler

Instructions for Use

Optometry Diagnostic Instrument

Intended use

Hand-held 50 cm graduated rule with a sliding four-sided target cube and cheek rest, used to measure near point of convergence, amplitude of accommodation and to assist in determining the dominant eye.

Intended users

For use by trained eye-care professionals (optometrists, ophthalmologists, orthoptists) 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 eye-care professionals. Interpretation of results is according to clinical protocol and the practitioner's judgment.
- Move the target slowly and keep it away from the patient's eyes to avoid contact with the eye.
- Explain the test to the patient before starting, especially children.
- Clean and disinfect the cheek rest between patients.
- Do not use a ruler with cracked or sharp edges.

2. Specifications

Length	50 cm rule with sliding target holder
Scale increments	1 mm
Target	4-sided rotating cube with different targets per face
Patient support	Integrated cheek rest
Material	Rigid plastic with printed scale

3. Unpacking and setup

- 1 Inspect the rule, sliding holder and cube for damage.
- 2 Check that the sliding holder moves smoothly along the rule.
- 3 Clean and disinfect the cheek rest.
- 4 Ensure good, even room lighting on the target.

4. Operation

Near point of convergence

- 1 Seat the patient upright with the head straight.
- 2 Place the cheek rest against the patient's face so the rule extends straight ahead at eye level.
- 3 Rotate the cube to the line-and-dot target.
- 4 Start with the target well away from the eyes and move it slowly toward the patient.
- 5 Ask the patient to report when the target doubles, and watch for one eye drifting out.
- 6 Read the distance on the scale and record it.
- 7 Move the target slowly away and record the distance where the patient reports single vision again.
- 8 Repeat according to your clinical protocol.

Amplitude of accommodation

- 1 Position the rule as above and rotate the cube to a suitable near-reading text face.
- 2 Test each eye separately or both eyes together as required by your protocol.

- 3 Move the target slowly toward the patient.
- 4 Ask the patient to report when the text first becomes blurred and stays blurred.
- 5 Read and record the distance on the scale.
- 6 Calculate or read the accommodation value per your clinical protocol.

Dominant eye

- 1 Hold the rule with the patient sighting along it with both eyes open.
- 2 Ask the patient to align a target at the far end.
- 3 Have the patient close each eye in turn and report which closure makes the target appear to shift.
- 4 Record the dominant eye.

5. Cleaning and disinfection

- Wipe the rule, cube and cheek rest with a mild disinfectant compatible with plastics after each patient, per facility protocol.
- Do not immerse the ruler or use abrasive cleaners, which can remove the printed scale.
- Do not autoclave.

6. Maintenance and storage

- Store flat or in its packaging, away from heat and direct sunlight to prevent warping.
- Keep the scale clean and legible.
- Check that the sliding holder and cube rotate and move smoothly.

7. Troubleshooting

Problem	Likely cause	What to do
Sliding holder sticks	Dirt on the rule	Clean the rule and holder.
Cube does not hold position	Worn rotation fitting	Position carefully; replace the ruler if the target will not stay in place.
Scale hard to read	Worn or dirty printing	Clean gently; replace if the scale is no longer legible.

8. Disposal

- Dispose of in accordance with local regulations for plastic items.

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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