

Schiotz Indentation Tonometer with 3 Weights

Instructions for Use

Ophthalmic Diagnostic Instrument

Intended use

Portable indentation tonometer for estimating intraocular pressure. The scale reading obtained with a given weight is converted to pressure using the supplied conversion table.

Intended users

For use by trained healthcare professionals. 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.
- Clean and disinfect the footplate and plunger between every patient to prevent cross-infection.
- Use topical anesthesia only as directed by clinical protocol and the physician's judgment.
- Do not use on eyes where corneal contact is contraindicated in the clinician's judgment, such as with corneal injury or active infection.
- Lower the tonometer gently onto the cornea and do not press down on it; the weight alone must act on the eye.
- Check the instrument zero on the test block before use; do not use an instrument that does not read correctly.
- Readings must be interpreted by a qualified clinician using the conversion table supplied.

2. Package contents

- Tonometer body
- Plunger
- Weights: 5.5 g, 7.5 g, 10 g
- Scale-to-IOP conversion table
- Carrying case
- User manual

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

3. Specifications

Type	Schiotz indentation tonometer
Weights	5.5 g, 7.5 g, 10 g
Bearing	Agate
Scale	0-20 subdivisions, with 0 to -1 subdivisions; red pointer
Materials	Vital parts stainless steel; other parts chrome-plated
Case	Blue case with inserts

4. Unpacking and setup

- 1 Remove the tonometer from the case and check the footplate for scratches or damage.
- 2 Check that the plunger moves freely in the barrel.
- 3 Clean and disinfect the footplate and plunger and let them dry fully.
- 4 Assemble the plunger and fit the weight to be used.
- 5 Check the zero reading on the test block provided with the case, if supplied; the pointer should read zero.

5. Operation

Taking a reading

- 1 Position the patient lying on their back, looking straight up at a fixation target.
- 2 Instill topical anesthetic according to clinical protocol.
- 3 Gently separate the eyelids without pressing on the globe.
- 4 Hold the tonometer by its handle and lower the footplate vertically onto the center of the cornea.
- 5 Let the instrument rest under its own weight and read the scale where the pointer settles.
- 6 Lift the tonometer straight off the eye.
- 7 If the scale reading is too low to be read reliably, repeat with a heavier weight as described in the conversion table instructions.
- 8 Record the scale reading and the weight used.

Converting the reading

- 1 Find the column for the weight used in the conversion table.
- 2 Find the scale reading in that column and read the corresponding pressure value.
- 3 Record the converted value together with the scale reading and weight.

6. Cleaning and disinfection

- Disassemble the plunger from the barrel after each patient.
- Clean the footplate, plunger and barrel to remove tear film and debris, then disinfect per facility protocol.
- Rinse with sterile water if required by the disinfectant used, and dry completely before reassembly. Moisture in the barrel makes the plunger stick.
- Do not autoclave unless labeled as autoclavable.
- Do not use abrasive cleaners on the footplate.

7. Maintenance and storage

- Store the clean, dry tonometer disassembled or assembled as recommended, in its case.
- Keep the weights and conversion table together with the instrument.
- Check the zero reading regularly and before each session.
- Do not drop the instrument. A damaged footplate or bent plunger gives inaccurate readings; refer for service.

8. Troubleshooting

Problem	Likely cause	What to do
Pointer does not read zero on the test block	Dirt in barrel or bent plunger	Clean and dry the barrel and plunger; refer for service if not corrected.
Plunger sticks	Moisture or residue in the barrel	Disassemble, clean and dry thoroughly.
Pointer moves erratically	Patient movement or squeezing	Reassure the patient, steady the lids and repeat.
Reading too low to use	Weight too light for the eye	Repeat with a heavier weight and use the matching table column.
Readings vary between attempts	Footplate not centered or not vertical	Keep the tonometer vertical and centered on the cornea.

9. Disposal

- Disinfect the instrument before disposal.
- Dispose of as metal waste in accordance with 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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