
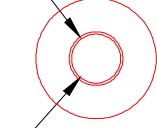
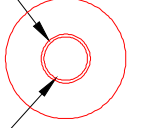



Ocular Barraquer O.R. Applanation Tonometer with C.M. Terry Calibration Scale

	Product Code	Also Available: Silicone Replacement Ring OBT-O (5 pack)	5.8mm Diam. 10mm Hg	5.3mm Diam. 15mm Hg
	OBT-TC-10-15 OBT-TC-15-21			
			5.3mm Diam. 15mm Hg	4.7mm Diam. 21mm Hg

Lens Design

- The tonometers based on Maklakov's principle of applanation tonometry consist of a conical shaft of high-density transparent plastic, a silicone retaining ring and a slip ring handle.
- Each tonometer is identified as to mm Hg. On the anterior surface.
- The two instruments of 10-15mm Hg and 15-21mm Hg each bear an engraved dual ring reticle on the endpoint indicating a predetermined intraocular pressure.
- The reticle measurements on the endpoints have been adapted from the Posner tables of calculations.

Operating Room Procedure

- Planned Extracapsular Surgery (10-15mm Hg, Tonometer)
Phacoemulsification and Secondary Lens Surgery (15-21mm Hg, Tonometer)
 - Sutures are placed in such away that the tension can be adjusted.
 - The eye is pressurized using a 27 gauge cannula until the eye appears firm.
 - Any excessive fluid on the cornea is dried.
 - The tonometer is gently lowered onto the cornea until the slip ring allows the plastic tonometer to slide up.
 - At this time, the applanation can be seen through the tonometer.
 - In Planned Extracapsular Surgery, the pressure should fall between 10mm and 15mm Hg.
 - In Phacoemulsification and Secondary Lens Surgery the pressure should fall between 15-21mm Hg.
 - An increased pressure is used due to the increased corneal scleral folding which occurs with a small incision.
 - If the applanation is a small circle, which does not fill within the rings, then the eye is too hard and should be softened by using the cannula.
 - When the eye is too soft, the tonometer applanates the eye excessively and the circle goes beyond the two rings.
 - Pressurization very often takes the irrigation of 2 to 3 cc. of fluid into the eye until the incision margins seat and hold pressure.
 - If too much or too little astigmatism is present, the sutures are then adjusted appropriately.

Contraindications

- The tonometer should not be used on an eye that does not hold chamber, an iris prolapse or where vitreous loss occurred during the procedure.
- Measurements derived from an eye with a corneal scar, corneal ulcer, keratoconus, and irregular astigmatism are prone to error.

Cleaning

Rinse: Immediately upon removal from patient's eye, thoroughly rinse in cool or tepid water.
 Wash: Place a few drops of mild soap on a moistened cotton ball. Gently clean with a circular motion.
 Rinse: Thoroughly rinse in cool or tepid water, then dry carefully with a *non-linting* tissue.
 Then: Proceed with either disinfection or sterilization instructions.

Disinfecting

Soak In:	GLUTARALDEHYDE	OR	BLEACH
	2% or 3.4% aqueous solution		10% solution mixed at: 1 part bleach to 9 parts cool tepid water
	Temperature per manufacturer instructions		Recommended exposure time = 10 minutes
	Minimum exposure time = 20 minutes		
Then:	Rinse lens <i>thoroughly</i> to remove disinfection solution. 3 cycles of 1 minute, with cool or tepid water is recommended. Dry carefully and place in a dry storage case.		

NOTE This lens is known to be compatible with: Asepti-Wipe, Cavi-cide, Cidex, Cidex OPA, DisCide Wipe, Enviro-cide H₂O₂-3%, and Opti-Cide.

Sterilizing

AUTOCLAVE	STERRAD	STERIS SYSTEM 1	ETO	ETO Parameters		
YES	No	YES	YES	Minimum Time	Temperature	Aeration Time
Flash For 4 Minutes Only		Per manufacturer instructions		1 hour	130°F (54°C)	12 hours

WARNING *Never soak in Acetone, Alcohol or Other Solvents.*

Autoclave – Flash Only

- Disassemble and thoroughly wash the tonometer so that it is free of mucous, sebaceous deposits or other debris.
- Place all three parts in a tray taking care to protect the tonometer from damage by contact with other instruments.
- Flash Autoclave Only** (unwrapped) for four (4) minutes at 270°F or 132°C. No dry time.

WARNING *REMOVE PROMPTLY, longer exposure will damage lens.*
 The intense heat for an extended time will cause the plastic to cloud.

- Reassemble before use. In the absence of the ring, a false reading will occur.

For information on compatibility with alternative sterilization methods, contact Customer Service.

