

## **NON CONTACT BIOMETER WITH SWEEP SOURCE OCT TECHNOLOGY**

1. Measurement technology: Swept source OCT technology biometry.
2. SWEPT source B scan biometry showing full length OCT image showing anatomical details of the eye on a longitudinal cut through the entire eye.
3. Axial length range: 14-32mm or more
4. Pupillometry measurement range: 2 to 13mm or more.
5. Keratometry measurement range for radius: 5-10mm or more
6. Keratometry measurement range for axis angle: 0 to 180 degrees.
7. Anterior chamber depth range: 1.5 to 6.5mm or more.
8. Lens thickness range: 0.5 to 6.5 mm or more (Phakic eye) and 0.13 -2.5 mm or more (Pseudophakic eye)
9. Central corneal thickness range: 0.3-0.8mm or more
10. White to white/corneal diameter measurement range: 7mm - 15mm or more
11. Formula for IOL calculation SRK II, SRK/T, Holladay 2, Hoffer Q, Haigis suite including Haigis L & Haigis T, New Haigis T formula for Toric IOL power calculation, Barrett Universal II, Barrett Toric & Barrett True-K with TK-formula.
12. Measurement Modes should include: Normal eye, Aphakic eye, Pseudo phakic eye, Silicone oil filled eye, combination of the above.
13. Facility for Optimization of Lens Constants should be present.
14. Should have facility for Calculations of Phakic anterior and posterior chamber implants.
15. PC specifications: Should have latest windows operating system, intel core i5 processor or better, 8GB RAM or more, 500 GB Hard disk or more, Display size: 15 inches or more with facility for DICOM connectivity.

16. Online UPS with at least 30 minutes back up time.
17. Motorized table to be provided with the equipment.
18. Should have a warranty of 5 years and CMC for 05 years post warranty.
19. Demonstration of equipment is mandatory.
20. Certification: Equipment should be BIS/CDSCO/ ISO certified.