SUOER

Optical Biometer SW-9000plus



The new SUOER µ-Meter Plus (SW-9000 Plus) is a fully automatic/robotic optical biometric instrument which is used for measuring the optic axis and for calculating correct IOL readings with accuracy. The fast-measuring speed, non-contact measurements and auto-focus & auto-shot functions are designed for patient comfortability and intended for a user-friendly operation. It captures 8 measurements in less than 2 seconds of which are: Corneal Thickness, Anterior Chamber Depth, Lens Thickness, Axial Length, Corneal Curvature, Axial Angle, White-to-White Distance and Pupil Diameter.

Technical data

Measurement functions
Auto-Alignment, Auto-Focus, Auto-Shot

Measurement range	
Axial length	12 - 34 mm
Central corneal thickness	300 - 800 µm
Corneal radii	4.8 - 11.1 mm
Axis angle	0° - 180°
Anterior chamber depth	1.5 - 6.0 mm
Lens thickness	0.5 - 7.0 mm
White-to-white	6.5 - 16.6 mm
Pupil diameter	1.9 - 13.5 mm

Resolution	
Axial length	0.01 mm
Central corneal thickness	1 µm
Corneal radii	0.01 mm
Axis angle	1°
Anterior chamber depth	0.01 mm
Lens thickness	0.01 mm
White-to-white	0.01 mm
Pupil diameter	0.01 mm

SD of repeatability	
Axial length	±25 µm
Central corneal thickness	±2 µm
Corneal radii	±10 µm
Axis angle	±9°
Anterior chamber depth	±20 µm
Lens thickness	±50 µm
White-to-white	±0.3 mm
Pupil diameter	±0.3 mm

IOL calculation formulas
BinkHorst-II, Holladay, Hoffer-Q, Haigis, SRK-T, SRK-II

Data Export
USB
Dicom
Ethernet

Voltage/Frequency	AC 220V/50Hz
Power consumption	50VA
Laser class	1

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