

Optical Biometer



AXL-100

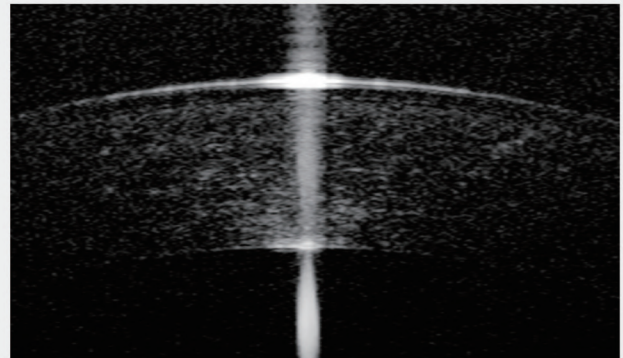
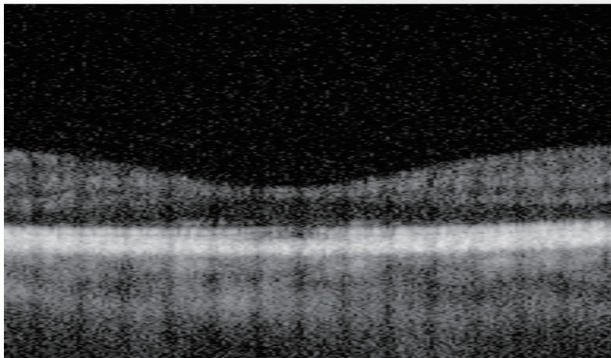
High Precision, High Repeatability

The AXL-100 is a high-precision Fourier-domain optical biometer. Using OCT imaging, it delivers greater accuracy than traditional time-domain optical biometers, ensuring reliable measurement of the axial length through the macular fovea.

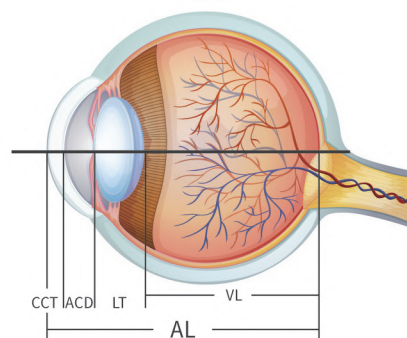
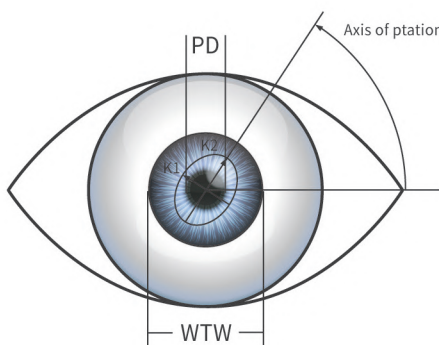


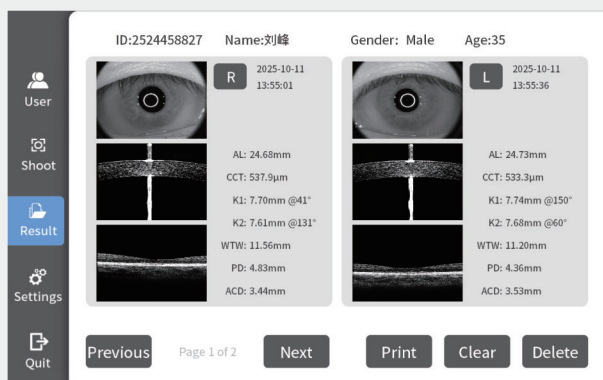
OCT High-Definition Imaging

Precisely acquires axial length from the anterior corneal surface to the macular fovea.



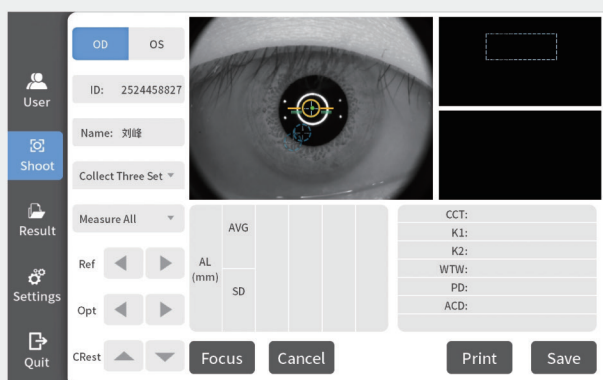
Multiple Parameters in a Single Scan





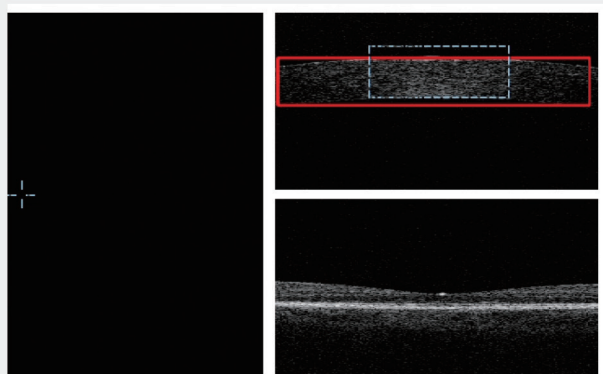
Multiple Parameters in a Single Scan

Capture multiple parameters in one scan: axial length, central corneal thickness, corneal curvature, white-to-white distance, and pupil diameter.



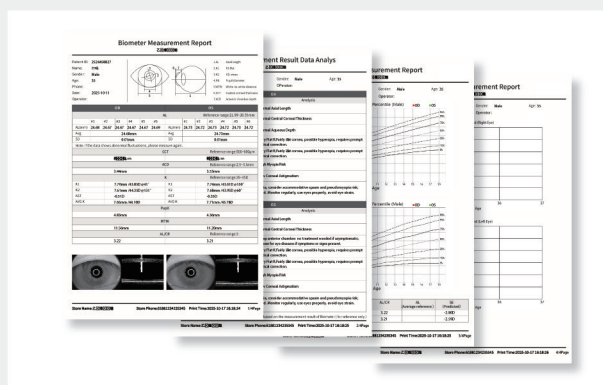
Automated Measurement with Voice Guidance

Features objective focusing—no subjective judgment of corneal image clarity required. Automatically focuses, captures data, and guides key steps via voice prompts for effortless operation.



Visualized Measurement

Live imaging helps monitor the subject's fixation during measurement, ensuring accuracy of axial length and corneal curvature readings—especially important for orthokeratology lens wearers or those with irregular corneal astigmatism.



Intelligent Analysis, Data-Driven Insights

Track axial growth trends and analyze refractive status. Comprehensive data visualization helps interpret eye growth patterns, alerts myopia risks, and enhances client communication, trust, and loyalty.

Specifications

Measurement item	Measuring range	Step
Axial length(AXL)	12.0 mm-38.0 mm	10um
Central corneal thickness(CCT)	0.2 mm- 1.4 mm	0.1um
Corneal curvature radius(K)	4.0 mm-12.0 mm	0.01mm
Keratometry(K)	28.10D-84.40 D	0.01D
Axis(A)	0°- 180°	1°
Pupil diameter(PD)	0.5 mm-13.5 mm	0.01mm
White to white distance (WTW)	6 mm- 16 mm	0.01mm
Anterior chamber depth(ACD)	0.7 mm-7.0 mm	0.01mm

Others

Printer	Built-in thermal printer
display	10.1-inch color touch screen
Chin rest load	2.5kg
Size	518mm (L) × 342mm (W) × 500mm (H)
Net weight	20kg
Power supply	100V-240V ~ 50Hz/60Hz,120VA

Designs and specification can be changed without prior notice for the purpose of improvement.

Opticare Pty Ltd

118 Adderley St, Auburn NSW 2144 | 1800 251 852 | www.opticare.com.au