

AXL-800

Axial Length Measurement Unit



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- **3D Fully-Automatic Wide-Range Self-Tracking Measurement**
- **10.1-inch High-Definition Display**
- **Fully Touch-Based One-Touch Operation**

Functions

- Measurement of axial length and corneal curvature of the human eye.
- Professional data output report.
- Supports direct printing via thermal or A4 paper printers.
- Built-in database for complete storage of patient examination results.

Features

- Utilizes low-coherence interferometry technology.
- One-touch start; automatically completes eye finding, focusing, measurement, and switching between left and right eyes.
- Measurement data includes precision evaluation for convenient assessment of results.
- Supports corneal curvature measurement.



Measurement Range	
Axial Length	15mm - 30mm
Axial Length Standard Deviation	±0.03mm
Axial Length Display Resolution	0.01mm
Corneal Curvature Radius	6.68mm - 9.32mm
Curvature Radius Standard Deviation	±0.03mm
Corneal Thickness	≥0.8mm
Pupillary Distance	10mm - 85mm
Pupil Diameter	≥16mm
Corneal Thickness (CCT)	≥0.8mm
White-to-White (WTW)	≥16mm
Corneal Curvature Radius Display Resolution: 0.001 mm	0.01mm
Curvature Difference between Principal Meridians ≤ 0.3 mm	±4°
Curvature Difference between Principal Meridians > 0.3 mm	±2°



Wide-Range Auto-Tracking

True 3D all-directional tracking measurement, featuring binocular tracking, monocular auto, and manual modes to meet different measurement needs.

Multi-Angle Rotatable Screen

A large display screen that rotates 360° freely for use in various scenarios. Side measurement greatly facilitates communication between operator and patient, enhancing the examination experience.



10.1-inch HD Full-Touch LCD Screen
No hand controller needed—simple and fast operation.



Integrated Automatic Paper-Cutter Printer
Makes paper replacement more convenient.



Bluetooth & Wireless
Network Connectivity





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