Technology meets expertise

The OA-2000 combines high-speed biometry measurement with deep penetration for very dense cataracts and topographies.

+ All measurements – just one touch
+ Axial length as "optical immersion"
+ ACD and lens thickness
+ Topography-keratometry
+ Pachymetry
+ White to white
+ Pupil diameter
+ Latest generation formula by Barrett (optional)
+ IOL ray-tracing calculation by OKULIX (optional)

Specifications

MEASUREMENT RANGE	
Axial length	14 – 40 mm
Anterior chamber depth	1.5 – 7.0 mm
Crystalline lens thickness	0.5 – 6.0 mm
Corneal thickness	0.2 – 1.2 mm
Corneal curvature radius	5.0 – 11 mm
Pupil diameter	1.5 – 13 mm
Corneal diameter	7 – 16 mm

MEASUREMENT ACCURACY	
Axial length	±0.03 mm
Anterior chamber depth	±0.05 mm
Crystalline lens thickness	±0.05 mm
Corneal thickness	±5 µm
Corneal curvature radius	±0.02 mm (ø 3 mm/ø 2.5 mm)
Pupil diameter	±0.1 mm
Corneal diameter	±0.3 mm

AUXILIARY INFORMATION / DISPLAY RESOLUTION	
Axial length	0.01 mm
Anterior chamber depth	0.01 mm
Crystalline lens thickness	0.01 mm
Corneal thickness	1 µm
Corneal curvature radius	0.01 mm

IOL POWER CALCULATION FORMULA
Haigis standard, Haigis optimised, Hoffer® Q, Holladay 1, Olsen, SRK/T, Shammas-PL, SRK/T Double K
Optional: OKULIX, Barrett Universal II, Barrett Toric Calculator, Barrett True K Toric Calculator, Barrett True K formula,

DATA MANAGEMENT	
Built-in printer	Thermal printer
Data output type	USB-H×2, USB-D×1, LAN SD card
Display	10.4-inch colour TFT monitor

DIMENSIONS AND ELECTRICAL REQUIREMENTS	
Dimensions WDH	300 × 490 × 450 mm
Weight	approx. 24kg
Power supply	100 – 240VAC, 50/60Hz 110VA
Laser class	Class 1 under IEC60825-1

Always read and follow the instructions for use.
Not all products, services or offers are approved or offered in every market. Please note that the current status of approval for the labelling, instructions and contents of the brochure may vary from one country to another.

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TOMEY

OA-2000

Optical Biometer

You + eye.
We care.

"OA-2000 DELIVERS
A FULLY AUTOMATED
OPTICAL BIOMETRY
IN JUST A FEW SECONDS.
IT'S EASY TO OPERATE
AND JUST AS INNOVATIVE.
A GREAT SYNERGY!"

Cesar Cardoso

AREA SALES MANAGER,
MIDDLE EAST / AFRICA

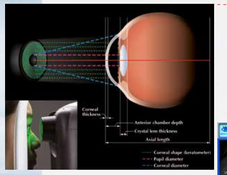
OA-2000
Optical Biometer

The OA-2000 is the perfect instrument for measuring axial length, the corneal curvature radius, corneal topography and more in a single shot. High penetration capability is available using the Fourier domain method, which enables high-speed scans.

Fourier domain method

The Fourier domain method is a measurement technique that contributes to OA-2000's high-speed scanning.

In addition to the Fourier domain method, OA-2000 utilizes vector scans. This enhances high measurement rates even in patients with lens opacity.



Ring cone method

The ring cone method is used to measure the radius of corneal curvature at ø2.0 mm, ø2.5 mm and ø3.0 mm.

Topography

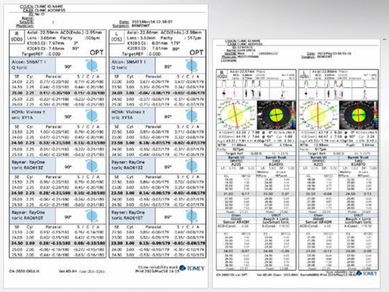
The topography is useful for checking eyes after LASIK surgery, identifying corneal irregular astigmatism, and observing variations in the corneal shape before and after surgery.

Easy to operate

One touch for the measurement, and just one click to calculate the IOL.

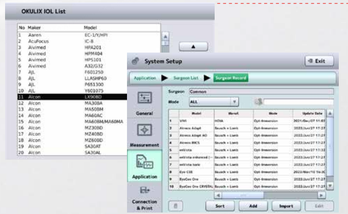
Intuitive operation

Simply touching the monitor automatically starts the alignment. The measurement begins immediately thanks to the auto alignment and auto scan functions.



Paperless documentation

OA-2000 is designed for paperless documentation. Other than printing, there are multiple report options.



IOL calculation

Since the two largest resources for IOL information are integrated (the www.IOLCON.org and OKULIX) doctors can choose their preferred lenses and type of IOL calculation.

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