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

OA-2000

Optical Biometer

MIX
Paper from responsible sources
FSC® C102891

2023/06 – subject to change without notice

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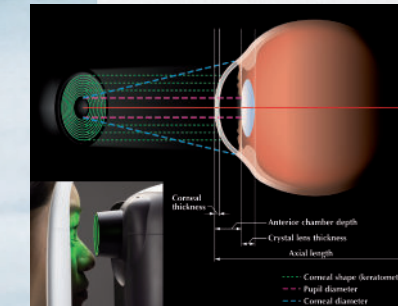
Ring cone method
The ring cone method is used to
measure the radius of corneal curvature
at ø2.0 mm, ø2.5 mm and ø3.0 mm.

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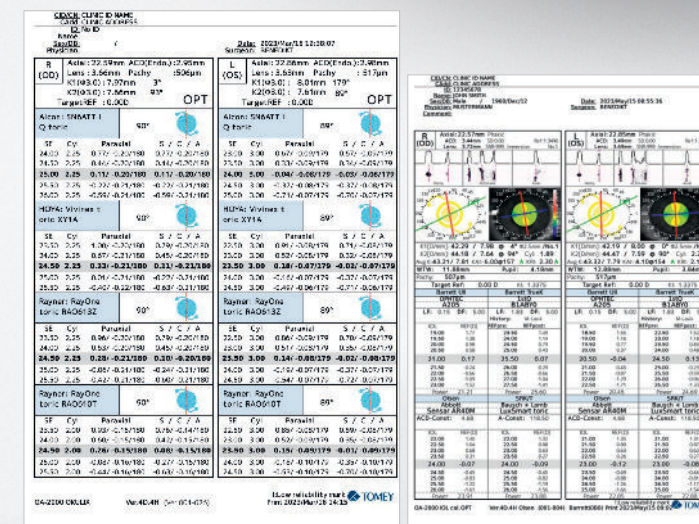shape before and after surgery.

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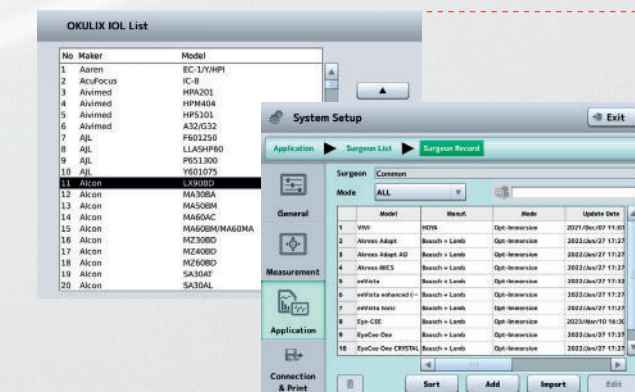
IOL calculation
Since the two largest resources for
IOL information are integrated
(the www.IOLCON.org and OKULIX)
doctors can choose their preferred
lenses and type of IOL calculation.

visit us
tomey.de