SPECIFICATIONS

MEASUREMENT METHODS AND FUNCTIONS

Automatic measurements	Axial / ACD / LT / Pachy / Topography Kerato / Pupil / WtoW
Measurement steps	After alignment patient eyes, Kerato, Axial, ACD, LENS, Pachy, Pupil and WtoW will be measured automatically
Eyetracking	3D
Cornea power / kerato	Placido ring cone topography
Pupil diameter W to W	Video analysis iris
Axl CCT ACD LT	Opt, low coherence interferometer
Dense / mature cases	Optional AL-4000 via BT or AL-100 via cable

MEASUREMENT RANGE AND ACCURACY

Corneal curvature radius	5.0 ~ 11 mm (±0.02 mm)
Pupil diameter	1.5 ~ 13 mm (±0.1 mm)
W-to-W	7 ~ 16 mm (±0.03 mm)
ACD	1.5 ~ 7.0 mm (±0.05 mm)
Axl optical	14 ~ 40 mm (±0.03 mm)
AxL (US optional)	13.00 ~ 45.00 mm (±0.1 mm)
Central cornea thickness optic	OPT: 0.2 ~ 1.2 mm (±5 µm)
Pachy periphery (US optional)	US 150 to 1,500 µm (±5 µm)
Lens thickness LD	0.5 ~ 6.0 mm (±0.05 mm)
Eyetypes	Phakic, Aphakic, Pseudo PMMA, Pseudo Silicone, Pseudo Acrylic, User Vitreous: Vitreous, Silicone oil

LIGHT SOURCE

Type	Swept source laser

IOL – CALCULATION FORMULAE

Gaussian optics formula	SRK-T, Holladay 1, Hoffer Q, HAIGIS optimized formula, Showa, HAIGIS standard formula

EXCEPTIONAL EYE CONDITIONS

PL KS DESEK	• Shammas PL / Double K SRK/T • OKULIX (RT), optional • EASY IOL (RT), trial version • Phaco optics supported (external SW)

UNIT

Display	10.4“ colour TFT touch screen
Display length resolution	0.01 mm
Display CCT resolution	1 µm
Dimensions WDH	300 x 490 x 450 mm
Weight	Approx. 24 kg
Power supply	100 - 240 VAC; 50/60 Hz; 110VA

COMMUNICATION / CONNECTORS

Style report	JPEG, CSV, PDF
Connections	LAN, 4 x USB, SD-card, BT (AL-4000)
Format export files	JPEG, CSV, PDF
Internal database	On SD-card
Connections to	TomeyLink / Data Transfer

AL-4000 | AL-100 | TMS-5 | CASIA2 | SS-1000

OA-2000 communicates with OCT SS-1000 and CASIA2, Scheimpflug TMS-5, A-scan/Biometer AL-100 and Bio/Pachymeter AL-4000.

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TOMEY
TECHNOLOGY AND VISION

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OPTICAL BIOMETER OA-2000

OPTICAL BIOMETER & TOPOGRAPHY-KERATOMETER

DELIGHT IN SIGHT

Fully automated.
Touch screen operated.

- All measurements – simply one touch
- IOL Ray Tracing Calculation by OKULIX (optional)
- Topography-Keratometer
- Pupil diameter
- Axial length
- Pachymetry
- ACD & LENS thickness
- White to White

TOMEY
TECHNOLOGY AND VISION

THE TOMEY OA-2000
OPTICAL BIOMETER

Optical biometry can be that good!

A video says more than a thousand words – just scan this QR-Code.

QUALITY IN DETAIL

ALL MEASUREMENTS – SIMPLY ONE TOUCH

By simply touching the center of the pupil on the monitor the measurement starts immediately. Due to our well known 3D eye tracking technology all relevant data are captured quickly, even with uncooperative patients. Starting with topography, pachymetry, ACD and lens thickness followed by axial length, pupil diameter and white to white – this guarantees an enhanced usability in terms of IOL power calculation.

EASY HANDLING

The **OA-2000** is compact, fast, user- and patient friendly and therefore easily delegable due to the minimised error ratio.

EASY COMMUNICATION

Our OA-2000 is easy to connect it in order getting all relevant data into your records. For a smooth clinical workflow the DICOM Worklist function is now included, but also for private clinics or practises easy printing and documentation in pdf format is available together with a summary report.
The high class combination with our newest anterior segment OCT – CASIA2 – provides a powerful tool for IOL calculation – for Pre and Post OP cataract Check up.

ADVANCED IOL CALCULATION / RAY TRACING

The OA-2000 integrates topography, axial length, lens thickness and pachymetry which yield perfect data set for ray tracing. This assures best results even in exceptional eye conditions or Toric IOL calculation.

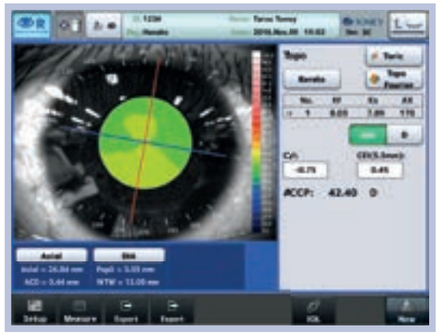
No matter if you use standard formulas or ray tracing calculation – both options are possible with the **OA-2000.**

IOL power calculation OKULIX (optional)

Easy IOL – a new way of ray tracing

Touch screen operation

Fourier analysis for premium lenses



Topography information for toric IOL

Measurement overview (peak quality & position)

LATEST TECHNOLOGY

With the latest Tomey swept source A-scan technology you are able to measure almost all cases of dense cataract. Rare cases of really mature lenses can be covered by our AL-4000 ultrasound handheld device, which is communicating with the **OA-2000** via bluetooth.