

# SPECIFICATIONS

MEASUREMENT METHODS AND FUNCTIONS	
<b>Automatic measurements</b>	Axial / ACD / LT / Pachy / Topography Kerato / Pupil.DIA / WtoW
<b>Measurement steps</b>	After alignment patient eyes, Axial.ACD.LT.Pachy.Kerato.Pupil.DIA will be measured automatically.
<b>Eyetracking</b>	3D
<b>Cornea power / kerato</b>	Placido ring cone topography
<b>Pupil diameter W to W</b>	Video analysis iris
<b>AxI CCT ACD LT</b>	Opt, low coherence interferometer
<b>Dense / mature cases</b>	Optional AL-4000 via BT
MEASUREMENT RANGE AND RESOLUTION	
<b>Cornea power</b>	5.0 ~ 11 mm (0.01 mm)
<b>Pupil detection</b>	1.5 ~ 13 mm (0.1 mm)
<b>W-to-W</b>	7 ~ 16 mm (0.3 mm)
<b>ACD</b>	1.5 ~ 7.0 mm (0.01 mm)
<b>AxI optical</b>	14 ~ 40 mm (0.01 mm)
<b>AxL (US optional)</b>	13.00 ~ 45.00 mm (0.01 mm)
<b>Central cornea thickness optic</b>	OPT: 0.2 ~ 1.2 mm (1 µm)
<b>Pachy periphery (US optional)</b>	US 150 to 1,500 µm (1 µm)
<b>Lens thickness LD</b>	0.5 ~ 6.0 mm (0.01 mm)

IOL – CALCULATION FORMULAE	
<b>Gaussian optics formula</b>	SRK II, SRK-T, Holladay, Hoffer Q, HAIGIS optimized formula, HAIGIS standard formula Showa.
EXCEPTIONAL EYE CONDITIONS	
<b>PL KS DESEK</b>	Shamas PL / Double K SRK/T / OKULIX (RT) / EASY IOL (RT)

UNIT	
<b>Display</b>	10.4" colour TFT touch screen
<b>Display length resolution</b>	0.01 mm
<b>Display CCT resolution</b>	1 µm
<b>Dimensions WDH</b>	300 x 490 x 450 mm
<b>Weight</b>	Approx. 24 kg
<b>Power supply</b>	100 - 240 VAC; 50/60 Hz; 110VA
COMMUNICATION / CONNECTORS	
<b>Style report</b>	JPEG, CSV
<b>Connections</b>	LAN, 4 x USB, SD-card, BT (AL-4000)
<b>Format export files</b>	JPEG, CSV
<b>Internal database</b>	On SD-card
<b>Connections to</b>	TomeyLink / data transfer



OA-2000 communicates with OCT SS-1000, Bio/Pachymeter AL-4000 and Scheimpflug TMS-5.

2014/05 - subject to change without notice

# 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
- Topography-Keratometer
- Pupil diameter
- Axial length
- Pachymetry
- ACD & LENS thickness
- White to White



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# THE TOMEY OA-2000 OPTICAL BIOMETER



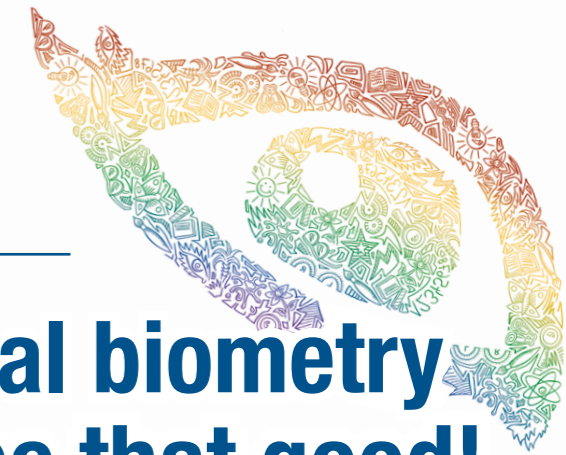
## QUALITY IN DETAIL

### 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.



# Optical biometry can be that good!

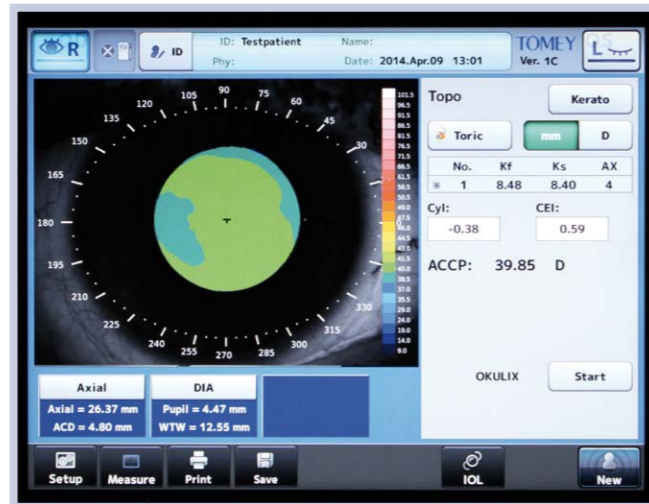


A video says more than a thousand words – just scan this QR-Code.

## 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.



Topography screen



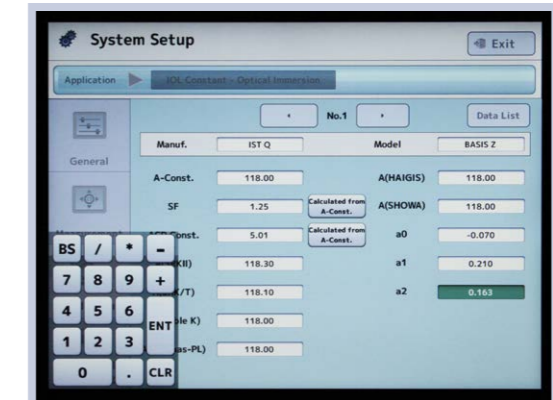
IOL power calculation OKULIX



Touch screen operation



Measurement screen dual view



IOL A-constant data entry

## LATEST TECHNOLOGY

With the latest Tomey Fourier domain 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.

