

SPECIFICATIONS

| MEASUREMENT METHODS AND FUNCTIONS | |
|---------------------------------------|---|
| Automatic measurements | Axial / ACD / LT / Pachy / Topography Kerato / Pupil / DIA / WtoW |
| Measurement steps | After alignment patient eyes, Axial, ACD, LT, Pachy, Kerato, Pupil and DIA will be measured automatically |
| Eyetracking | 3D |
| Cornea power / kerato | Placido ring cone topography |
| Pupil diameter W to W | Video analysis iris |
| AxI CCT ACD LT | Opt, low coherence interferometer |
| Dense / mature cases | Optional AL-4000 via BT or AL-100 via cable |
| MEASUREMENT RANGE AND RESOLUTION | |
| Cornea power | 5.0 ~ 11 mm (0.01 mm) |
| Pupil detection | 1.5 ~ 13 mm (0.1 mm) |
| W-to-W | 7 ~ 16 mm (0.3 mm) |
| ACD | 1.5 ~ 7.0 mm (0.01 mm) |
| AxI optical | 14 ~ 40 mm (0.01 mm) |
| AxL (US optional) | 13.00 ~ 45.00 mm (0.01 mm) |
| Central cornea thickness optic | OPT: 0.2 ~ 1.2 mm (1 µm) |
| Pachy periphery (US optional) | US 150 to 1,500 µm (1 µm) |
| Lens thickness LD | 0.5 ~ 6.0 mm (0.01 mm) |

| LIGHT SOURCE | |
|--------------------------------|--|
| Type | Swept source laser |
| IOL – CALCULATION FORMULAE | |
| Gaussian optics formula | SRK-T, Holladay, Hoffer Q, HAIGIS optimized formula, Showa, HAIGIS standard formula |
| EXCEPTIONAL EYE CONDITIONS | |
| PL KS DESEK | <ul style="list-style-type: none"> • Shammas PL / Double K SRK/T • OKULIX (RT) / EASY IOL (RT) • Phaco optics supported |

| 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 |
| Connections | LAN, 4 x USB, SD-card, BT (AL-4000) |
| Format export files | JPEG, CSV |
| Internal database | On SD-card |
| Connections to | TomeyLink / data transfer |



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

2017/08 - 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 by OKULIX (optional)
- 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.

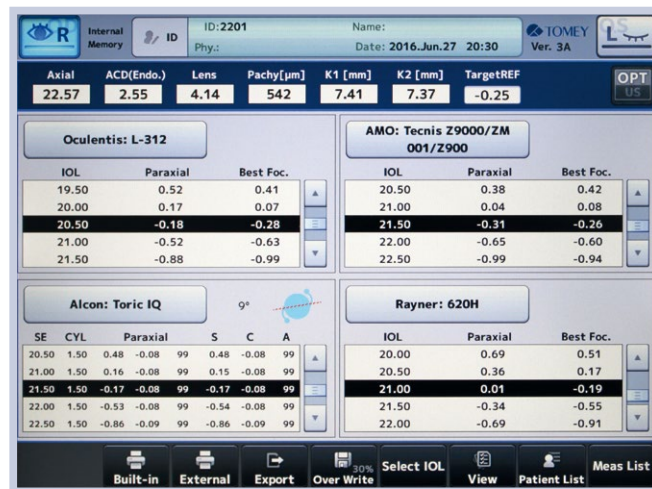
EASY HANDLING

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

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



Easy IOL – a new way of ray tracing



Touch screen operation



Topography screen



Optical biometry can be that good!



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



Measurement screen dual view

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.

