**SPECIFICATIONS**

**MEASUREMENT METHODS AND FUNCTIONS**

**Automatic measurements**
- Axial / ACD / LT / Pachy / Topography Kerato / Pupil DNA / White

**Measurement steps**
- After alignment patient eyes, Axial, ACD, LT, Pachy, Kerato, Pupil, DNA will be measured automatically.

**Eye-tracking**
- 3D

**Cornea power / Kerato**
- Planido ring cone topography

**Pupil diameter W to W**
- Video analysis iris

**Axial / ACD / LT**
- Opt. low coherence interferometer

**Dense / mature cases**
- Optional AL-4000 via BT

**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)

**Axial optical**
- 14 – 40 mm (0.01 mm)

**Axial (SIS optional)**
- 13.00 – 45.00 mm (0.01 mm)

**Central cornea thickness optic**
- OPT: 0.2 – 1.2 mm (1 µm)

**Pachy porthory (DR optional)**
- US 150 to 1,500 µm (1 µm)

**Lens thickness LD**
- 0.5 – 6.0 mm (0.01 mm)

**IOL – CALCULATION FORMULAE**

**Gaussian optics formula**
- SRK II, SRK-T, Holladay, Norfor G, HAIGIS optimized formula, HAIGIS standard formula Shows.

**EXCEPTIONAL EYE CONDITIONS**
- PL KS DESEK
- Shamam PL / Double S SRK/T / OKULIX (RT) / EASY KL (RT)

**UNIT**

- Display: 10.4" colour TFT touch screen

- Display length resolution: 0.01 mm

- Display OCT resolution: 1 µm

- Dimensions WDH: 300 x 490 x 450 mm

- Weight: Approx. 24 kg

- Power supply: 100 - 240 VAC; 50/60 Hz, 110W

**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

**SPECIFICATIONS**

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

2014/05 – subject to change without notice

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

OPTICAL BIOMETRY

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.

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.