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CARL ZEISS IOL MASTER 500 Optical Biometer (Reconditioned)

- Reconditioned (used),
- Technical condition: very good,
- Visual condition: very good,
- **Real product photos,**
- German production, (2012),
- Power supply: 230V,
- Frequency: 50/60 Hz,
- Software: 7.7,
- **The IOL Master 500** from ZEISS is the gold standard in optical biometry, with over 100 million successful IOL power calculations to date. It is the perfect choice for cataract surgeons looking for a reliable, fast and easy-to-use optical biometer for measurements they can rely on,
- **Key Features:**
  - **High-Speed Biometrics.** Minimize acquisition and chair time by taking fast, accurate measurements. In Dual mode, axial length and keratometry are captured in a single measurement. Switching between modes is fully automated and requires no user interaction. The average time to read on the IOL Master 500 is up to 4 times faster than other optical devices,
  - **Excellent cataract penetration.** The IOL Master 500 achieves a measurement success rate that is up to 20 percent higher than other optical biometric devices. The basic composite signal evaluation not only significantly increases the percentage of cataracts measurable with optical technology, but also significantly increases the signal-to-noise ratio – a measure of the exceptional reliability of the data provided by the IOL Master 500,
  - **Ease of use.** Well-designed user interface, plausibility checks, distance-independent measurements and up to 4 times faster reading compared to other optical devices provide exceptional usability and reduced work time. A difference that you, your team and your patients will notice every day,
  - **Proven toric results.** Results from a meta-analysis of 28 published clinical articles, covering more than 1,900 cases, show that the reported clinical results for ZEISS IOL Master lenses with respect to residual astigmatism are superior to, or at least as good as, those obtained using manual or automated keratometry,
  - **Advanced measurement of difficult eyes.** The true test of a biometer is its performance in challenging eyes. In denser cataracts, the ZEISS IOL Master 500 achieves a measurement success rate up to 20% higher than other optical biometry devices. Even in staphylococcal, pseudophakic and silicone-filled eyes, the ZEISS IOL Master 500 measures along the visual axis, obtaining the correct axial distance. With its Haigis-L formula, the ZEISS IOL Master 500 is designed for myopic and hyperopic cases after LVC,
  - **Markerless alignment of toric IOLs.** The reference image of the option is the starting point for the workflow of the markerless toric IOL. An eye photograph is taken along with a keratometric measurement. Both the reference images and the keratometric data are transferred to the computer-assisted ZEISS CALLISTO eye surgical system. Finally, all the data required for precise alignment and markerless toric IOLs are entered into the eyepiece of the ZEISS surgical microscope,
  - **Optimize refractive results.** Every IOL calculation is only as reliable as the lens constant it is based on. More than 40,000 patient data sets created with ZEISS IOL Master form the basis for more than 200 optimized lens constants on the User Group for Laser Interference Biometry (ULIB) website – absolutely unique in the industry. Together with the only distance-independent telecentric keratometry and the unique integrated Holladay 2 formula, the gold standard in optical biometry helps optimize refractive results,
- **Specification:**
  - Measurement range:
    - Axial length 14 – 38 mm,
    - Corneal radius 5 – 10 mm,
    - Anterior chamber depth 1.5 – 6.5 mm,
    - White-white 8 -16 mm,
  - IOL calculation formulas:
    - SRK II, SRK/T, Holladay 1 and 2, Hoffer Q, Haigis,
    - Clinical history and contact lens fitting method for calculating corneal refractive power after corneal refractive surgery,
    - Haigis-L IOL calculation for eyes after LASIK / PRK / LASIK myopia / hyperopia surgery,
    - Calculation of phakic anterior and posterior chamber implants,
    - Optimization of fixed IOLs,
  - Display scaling:
    - Axial length 0.01 mm,
    - Corneal radius 0.01 mm,
    - Front chamber depth 0.01 mm,
    - White-white 0.1 mm,
- **Possibility to select menu language: GER, ENG, FR, ESP, IT, SWE, DUN, JP, CHIN, KOR, CS, RUS,**
- **The instrumentation is placed on a mobile SKF ACTUATION SYSTEM table with electric height adjustment in the range of 70 – 100 cm,**
- **Included in the set:**
  - Power cord,
  - Wired keyboard,
  - HP LaserJet 1010 Printer,
  - SKF ACTUATION SYSTEM mobile electric table,
  - CARL ZEISS artificial eye,
- Overall dimensions: 90 x 65 x 130/160 cm,
- Weight: 70 KG,
- **It has a current inspection and is ready to work,**
- **Issued Technical Passport (Service Report) valid for 12 months,**
- **Guarantee:**
  - **6 months for domestic market (Poland),**
  - **3 months to international market,**
  - **Possibility of extending the warranty for an additional fee to 12 months for the domestic and international market,**
- Financing options (Poland only): Installments, Leasing, Loan,