

SOLOS

Automatic Lens Analyzer

Beyond Conventional Lensometry




Advanced lens analysis for an enhanced customer experience with the touch of a button

Experience the power of SOLOS, an automated lensmeter with a full-range spectrometer. Detect, measure and mark single vision, progressive, and multifocal lenses effortlessly. With added distortion maps for progressive lenses, SOLOS enhances understanding of lens performance for operators and patients. Enjoy seamless workflow and effortless operation with just a single touch.

* SOLOS does not support tri-focal lenses



Overview


Automated, One-Touch Operation



Lens Mapping with Distortion Map


UVA, Blue Light, and Visible Light Transmittance Measurements


Automatic Lens Marking


Automatic Lens Type Detection


Wireless Data Transfer


Extended Measurement Range (Up to +/- 20D)

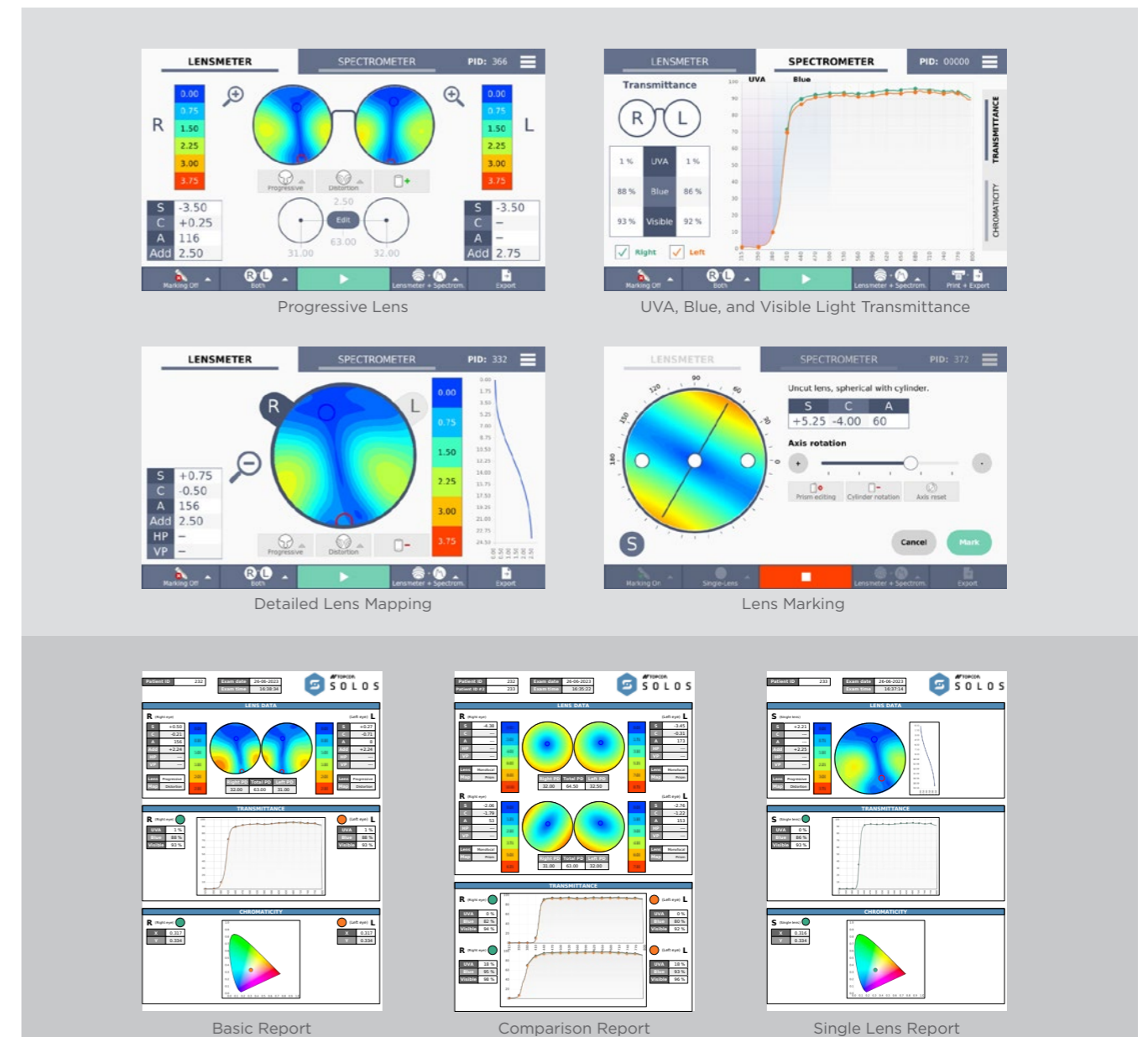

Detailed PDF Reports

Distortion Mapping

When assessing progressive lenses, SOLOS automatically generates distortion maps for your convenience. These maps visually highlight optimal viewing areas and identify any potential zones of distorted vision, facilitating comprehension for both operators and patients. Leveraging this powerful tool can effectively promote premium lens options, elevating the overall patient experience.

Seamless Workflow

SOLOS combines a lensmeter, spectrometer and lens marking capabilities to transform lens analysis. With the touch of a single button, SOLOS quickly positions and identifies lens types, providing comprehensive measurements for both framed and uncut lenses. Results can be printed or exported to EMR, Topcon's CV-5000S, or Chronos binocular refraction system. Generate detailed PDF reports for in-depth analysis for use when dispensing spectacles.



Specifications

General data

| | |
|--------------------|--|
| Dimensions | W245 mm x H450 mm x D354 mm |
| Weight | Net Weight: 8.0kg Cables and user manual: 2.0kg Packaging: 3.2kg |
| Printer | Internal (thermal) |
| Screen | 7" Touch screen LCD/16M colours |
| Light source | Green e-line source |
| Working conditions | 10°C to 40°C |
| Power supply | AC 100 - 240V – 50/60Hz |
| Classification | Class I Medical Device - EU Regulation 2017/745 and US FDA 21 CFR |
| Standards | ISO 8598 |
| Data output | LAN, Wi-Fi |

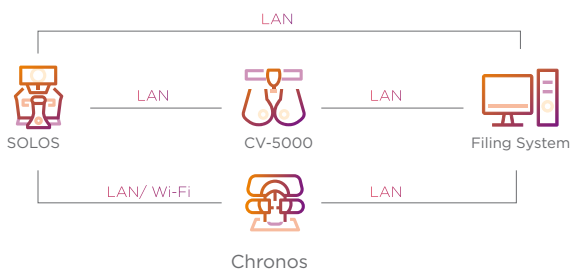
Measurement range

| | |
|-------------------|---|
| Sphere power | -20D - +20D (step 0.01, 0.0625, 0.125, 0.25D) |
| Cylinder power | -10D - +10D (step 0.01, 0.0625, 0.125, 0.25D) |
| Cylinder axis | 0 - 180° (step 1°) |
| Addition power | -4D - +4D (step 0.01, 0.0625, 0.125, 0.25D) |
| Prism power | -10D - +10D (step 0.01) |
| PD measurement | Mono / Bino |
| Cylinder notation | - / + |

Other

| | |
|-------------------|---|
| Spectrometer | 315nm - 800nm |
| Automatic marking | Optical centre and axis (framed spectacles or uncut lenses) |

Connectivity



TOPCON HEALTHCARE UNIVERSITY

Eye Health Education Begins Here: learning.topcon.com
or scan/click the QR code

Note 1: Subject to change in design and/or specifications without advanced notice

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IMPORTANT

In order to obtain the best results with this instrument, please be sure to review all user instructions prior to operation.

Not all products, services or offers are approved or offered in every market, and products vary from one country to another. Contact your local distributor for country-specific information and availability.

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