SOLOS

Automatic Lens Analyzer

Beyond Conventional Lensometry

TOPCON Healthcare

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

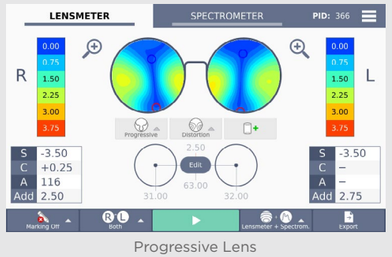
- Lens Mapping with **Distortion Map**
- UVA, Blue Light, and Visible Light **Transmittance** Measurements
- Automatic **Lens Marking**
- Automatic **Lens Type Detection**
- **Automated**, One-Touch Operation
- **Wireless** Data Transfer
- Extended **Measurement Range** (Up to +/- 20D)
- Detailed **PDF** Report

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.

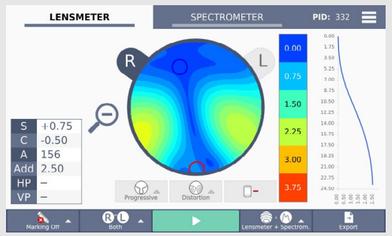
Seamless Workflow

SOLOS combines a lensmeter, spectrometer and lens marking capability 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.

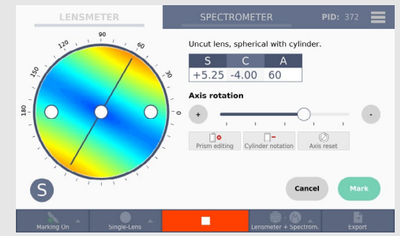


Progressive Lens

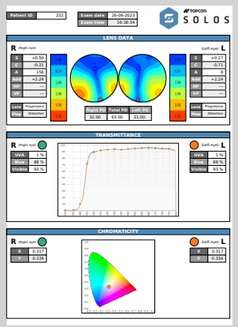
UVA, Blue, and Visible Light Transmittance



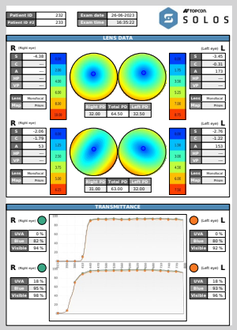
Detailed Lens Mapping



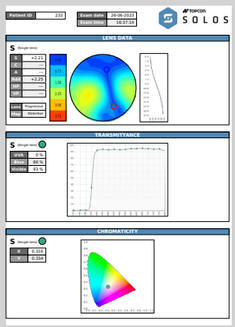
Lens Marking



Basic Report



Comparison Report



Single Lens Report

Specifications

General data

Dimensions	W9.6in (245 mm) x H17.7in (450 mm) x D13.9in (354 mm)
Weight	Net Weight: 17.6lb (8.0kg) Cables and user manual: 4.4lb (2.0kg) Packaging: 7.0lb (3.2kg)
Printer	Internal (thermal)
Screen	7” Touch screen LCD/16M colors
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

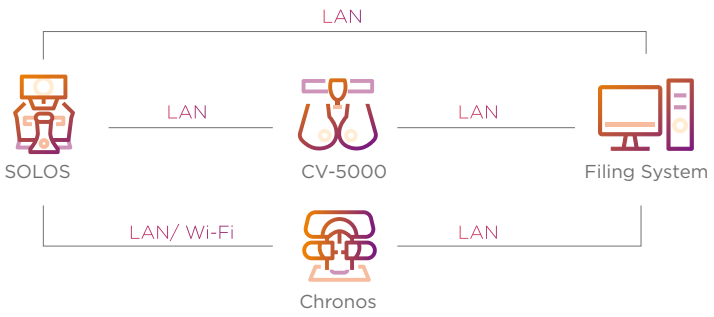
Measurement range

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 Center and Axis (framed glasses or uncut lenses)

Connectivity



TOPCON HEALTHCARE UNIVERSITY
Eye Health Education Begins Here:
learning.topcon.com or scan QR code

Note 1: Not available in all countries, please check with your distributor for availability in your country
Note 2: Subject to change in design and/or specifications without advanced notice

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

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