

SOLOS

Automatic Lens Analyzer



SOLOS enables advanced, accurate lens analysis with the touch of a button



SOLOS is a fully automated lensmeter with a full range spectrometer that detects, measures and marks single vision, progressive and other multifocal lenses glazed in a spectacle frame or as uncut lenses.

Features

- Automated, One-Touch Operation
- Lens Mapping
- UV-A, Blue Light and Visible Light Transmittance Measurements
- Automatic Marking
- Automatic Lens Type Detection
- Wireless Data Transfer
- Extended Measurement Range (Up to +/- 20D)

Simple Workflow

SOLOS combines a mapping-type lensmeter with a full-range spectrometer and lens marking for advanced lens analysis.

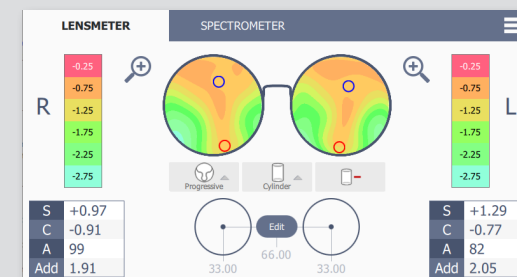
With a single touch, SOLOS automatically positions each lens, detects the lens type and performs comprehensive measurements of both lenses within a spectacle frame.

The spectral transmittance meter is designed to measure light wavelength transmission in all types of lens material. The transmittance graph helps explain the benefits of UV-A and blue light protection to the eyeglass purchaser.

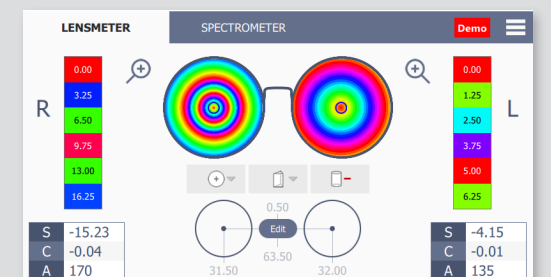
Measurement results can be sent to the built-in printer and can be exported to an EMR, Topcon's CV-5000S digital phoropter or Chronos binocular refraction system.



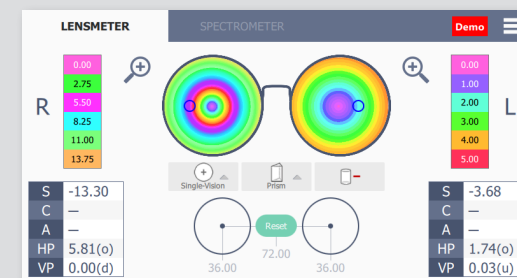
Comprehensive Measurements



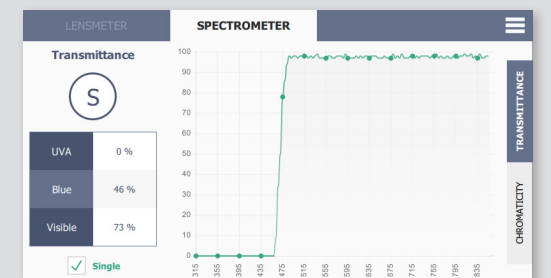
Progressive Lens



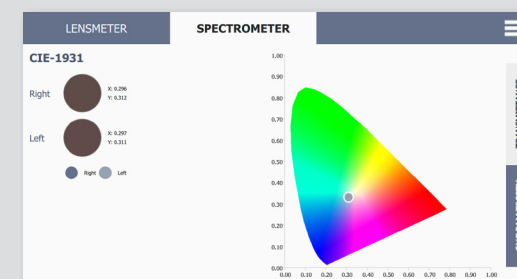
Sphere, Cylinder, Axis, Add and Pupil Distance



Prisms - Cartesian Coordinates



UV-A, Blue and Visible Light Transmittance Percentages



Lens Tint - CIE Chromaticity

Specifications

General data

Dimensions	W245mm x H450mm x D354mm
Weight	Net Weight: 8kg Cables and user manual: 2kg Packaging: 3.2kg
Printer	Internal (thermal)
Screen	Touch screen LCD/16M colors, 7"
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
Standards	ISO 8598
Data output	LAN, Wi-Fi

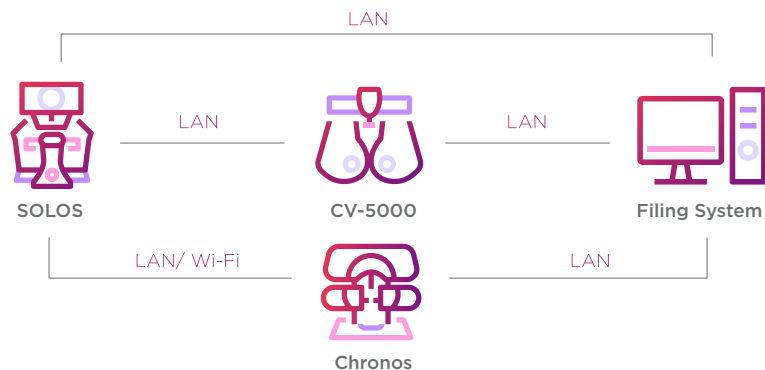
Measurement range

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

Others

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/click here

* Not available in all countries, please check with your distributor for availability in your country
* 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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