

# 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

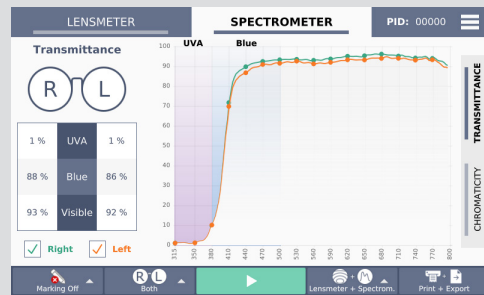
When assessing progressive lenses, SOLOS automatically generates distortion maps for your convenience. These maps visually highlight optimal viewing areas and identify any potential zones of distorted vision, facilitating comprehension for both operators and patients. Leveraging this powerful tool can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

## Seamless Workflow

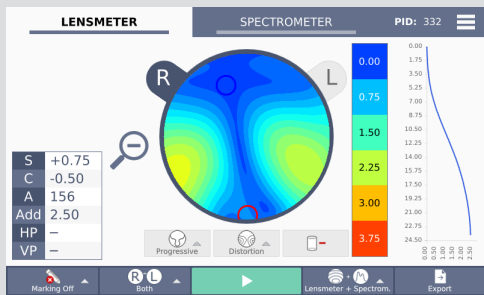
SOLOS combines a lensmeter, spectrometer and lens marking capabilities to transform lens analysis. With the touch of a single button, SOLOS quickly positions and identifies lens types, providing comprehensive measurements for both framed and uncut lenses. Results can be printed or exported to EMR, Topcon's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



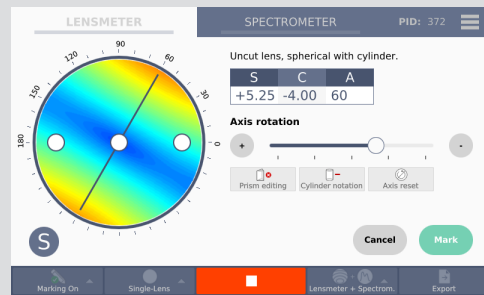
Progressive Lens



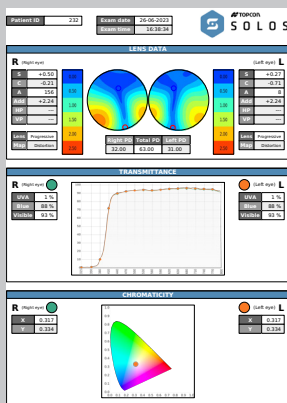
UVA, Blue, and Visible Light Transmittance



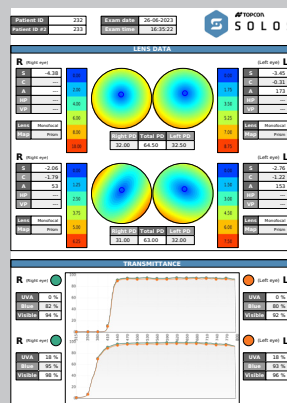
Detailed Lens Mapping



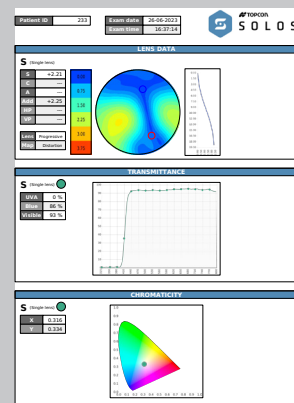
Lens Marking



Basic Report



Comparison Report



Single Lens Report

# 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

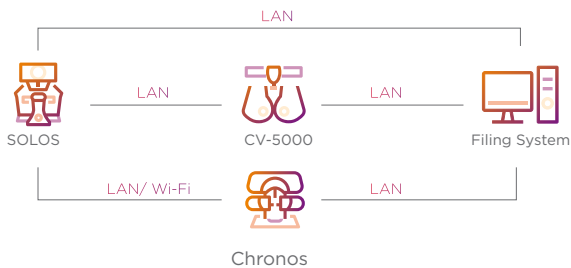
## Measurement range

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](http://learning.topcon.com)  
or scan/click the QR code

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

#### TOPCON CORPORATION

75-1 Hasunuma-cho, Itabashi-ku, Tokyo 174-8580, JAPAN.  
Phone: +81-(0)3-3558-2522/2502 Fax: +81-(0)3-3965-6898  
[www.topconhealthcare.jp](http://www.topconhealthcare.jp)

#### VISIA IMAGING S.R.L.

Via Martiri della Libertà 95/e, 52027 San Giovanni Valdarno (AR), ITALY



#### TOPCON HEALTHCARE SOLUTIONS EMEA OY

Saaristonkatu 9, 90100 Oulu, FINLAND  
Phone: +358-20-734-8190  
E-mail: [thsemea.sales@topcon.com](mailto:thsemea.sales@topcon.com)  
[www.topconhealthcare.eu](http://www.topconhealthcare.eu)

#### TOPCON SCANDINAVIA

Neogatan 2, P.O.Box 25, 43151 Mölndal SWEDEN  
Phone: +46-(0)31-7109200  
Fax: +46-(0)31-7109249  
E-mail: [info.hcs.se@topcon.com](mailto:info.hcs.se@topcon.com)  
[www.topconhealthcare.eu/sv\\_SE](http://www.topconhealthcare.eu/sv_SE)

#### TOPCON FRANCE MEDICAL

1 rue des Vergers, Parc Swen, Bâtiment 2, 69760 Limonest, FRANCE  
Phone: +33-(0)4-37 58 19 40  
Fax: +33-(0)4-72 23 86 60  
E-mail: [topconfrance@topcon.com](mailto:topconfrance@topcon.com)  
[www.topconhealthcare.eu/fr\\_FR](http://www.topconhealthcare.eu/fr_FR)

#### TOPCON GREAT BRITAIN MEDICAL

Topcon House, Kennet Side, Bone Lane, Newbury, Berkshire RG14 5PX UNITED KINGDOM  
Phone: +44-(0)1635-551120  
Fax: +44-(0)1635-551170  
E-mail: [medical.tgbm@topcon.com](mailto:medical.tgbm@topcon.com)  
[www.topconhealthcare.eu/en\\_UK](http://www.topconhealthcare.eu/en_UK)

#### TOPCON EUROPE MEDICAL B.V.

Essebaan 11, 2908 LJ Capelle a/d IJssel P.O. Box 145, 2900 AC Capelle a/d IJssel THE NETHERLANDS  
Phone: +31-(0)10-4585077  
Fax: +31-(0)10-4585045  
E-mail: [medical@topcon.com](mailto:medical@topcon.com)  
[www.topconhealthcare.eu](http://www.topconhealthcare.eu)

#### TOPCON ESPAÑA

Oficina Principal en España Frederic Mompou, 4, 08960 Sant Just Desvern, Barcelona, SPAIN  
Phone: +34-93-4734057  
Fax: +34-93-4733932  
E-mail: [medica@topcon.com](mailto:medica@topcon.com)  
[www.topconhealthcare.eu/es\\_ES](http://www.topconhealthcare.eu/es_ES)

#### TOPCON DEUTSCHLAND MEDICAL

Hanns-Martin-Schleyer Strasse 41, D-47877 Willich, GERMANY  
Phone: (+49)2154-885-0  
Fax: (+49)2154-885-177  
E-mail: [info@topcon-medical.de](mailto:info@topcon-medical.de)  
[www.topconhealthcare.eu/de\\_DE](http://www.topconhealthcare.eu/de_DE)

#### TOPCON IRELAND MEDICAL

Unit 292, Block G, Blanchardstown, Corporate Park 2 Ballycoolin Dublin 15, D15 DX58, IRELAND  
Phone: +353-12233280  
E-mail: [medical.ie@topcon.com](mailto:medical.ie@topcon.com)  
[www.topconhealthcare.eu/en\\_IE](http://www.topconhealthcare.eu/en_IE)

#### TOPCON DANMARK

Praestemarksvej 25, 4000 Roskilde DANMARK  
Phone: +45-46-327500  
Fax: +45-46-327555  
E-mail: [info.todk@topcon.com](mailto:info.todk@topcon.com)  
[www.topconhealthcare.eu/dk\\_DK](http://www.topconhealthcare.eu/dk_DK)

#### TOPCON ITALY

Viale dell' Industria 60, 20037 Paderno Dugnano, (MI) ITALY  
Phone: +39-02-9186671  
Fax: +39-02-91081091  
E-mail: [info@topcon.com](mailto:info@topcon.com)  
[www.topconhealthcare.eu/it\\_IT](http://www.topconhealthcare.eu/it_IT)

#### TOPCON POLSKA SP. Z. O. O.

ul. Warszawska 23, 42-470 Siewierz POLAND  
Phone: +48-(0)32-670-50-45  
Fax: +48-(0)32-671-34-05  
E-mail: [info.tpl@topcon.com](mailto:info.tpl@topcon.com)  
[www.topconhealthcare.eu/pl\\_PL](http://www.topconhealthcare.eu/pl_PL)

**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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