



VISULENS 550 from ZEISS

Digital lensmeter with UV spectrometer



Accelerating your refraction process.

ZEISS VISULENS 550

Regardless of whether you are looking for a solid start to your refraction process, lens marking, or simply to demonstrate quality of UV protection to customers, the VISULENS® 550 from ZEISS provides reliable lens measurement for a high-level of patient consultation and care.

Intelligent measurement modes for a wide range of lenses

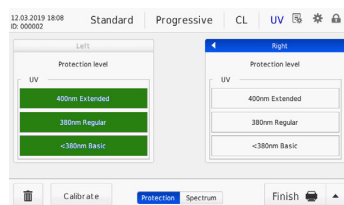
- Standard mode for single vision and multi-focal lenses for both tinted and untinted lenses
- Progressive lens mode for both tinted and untinted lenses
- UV transmission measurement mode
- Contact lens mode for soft and hard contact lenses

Wavefront technology for precise lens measurement

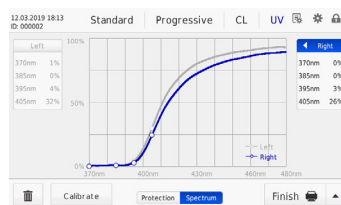
The built-in Shack-Hartmann wavefront sensor performs state-of-the-art measurement based on the values of 81 measurement points. The green LED (545 nm) supports measurement of high indices and makes adjustment of the Abbe number redundant.

Wide spectrum UV measurement

The integrated UV spectrometer analyzes UV protection of lenses in a wavelength measurement range from 365 to 480 nm. With this insightful advantage, you can easily identify the quality of your patient's lenses.



UV protection level mode for easy patient education.



UV spectrum mode for detailed insights.

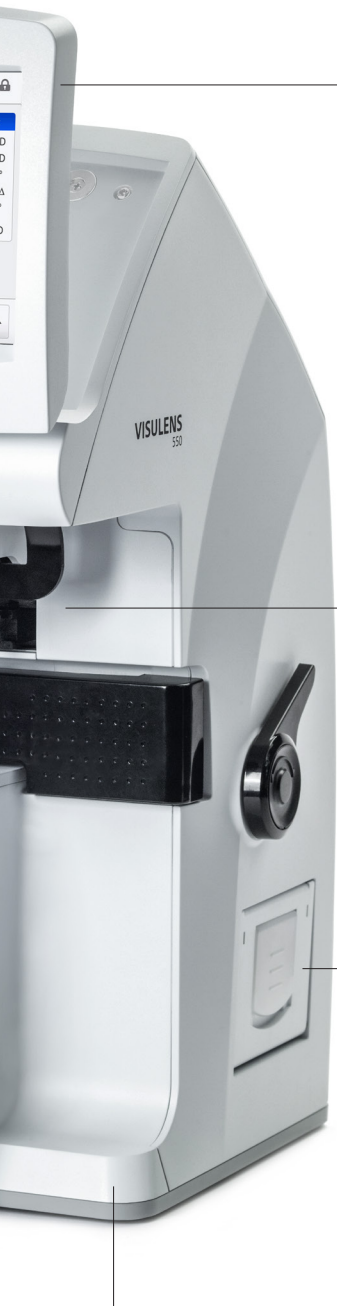
7" tiltable color touch screen

Pupillary distance sensor

Shack-Hartmann wavefront sensor

UV spectrometer





Intuitive software

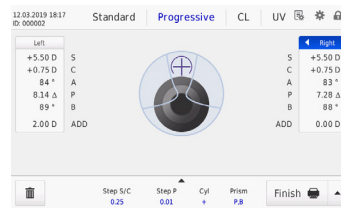
Lens marking system

Integrated printer

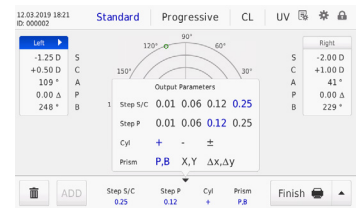
Optimized housing for long temples

Ease of use in operation

The intuitive software combined with a tiltable 7" color touch screen enables easy and efficient operation. The user interface seamlessly navigates you through each step, from measurement to printout or data storage. An added option allows you to set-up user profiles for individual needs.



Intelligent alignment support helps to position the lens.



Direct control popup for quick access to output and display parameters.

Enhanced practice workflow

The direct LAN and serial connectivity options support seamless data transfer between ZEISS VISULENS 550 and practice management systems including ZEISS FORUM. Valuable time can also be saved by connecting to the ZEISS subjective refraction unit.



All information at a glance

The integrated printer provides measurement results immediately. Additionally, extended PDF reports including graphs can be printed via a network printer or simply stored on a network PC.

Technical specifications

VISULENS 550 from ZEISS

Highlights at a glance

- Shack-Hartmann sensor and UV spectrometer for precise information
- Modern operating concept for comfortable handling
- Versatile connectivity and printing options for a flexible and fast workflow
- Easy to use reports for quick interpretation and optimized patient care

Wavefront measurement

Wavelength	545 nm (e-line)
Sphere	-25 D to +25 D in steps of 0.01 / 0.06 / 0.125 / 0.25 D
Cylinder	0 D to ± 10 D in steps of 0.01 / 0.06 / 0.125 / 0.25 D
Axis	0° to 180° in steps of 1°
Addition	0 D to +10 D in steps of 0.01 / 0.06 / 0.125 / 0.25 D
Prism	0 Δ to 20 Δ in steps of .01 / 0.06 / 0.125 / 0.25 Δ
Pupillary Distance (PD)	0 to 82 mm

UV measurement

Spectrometer measurement range	365 to 480 nm
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Device data

Dimensions (W x D x H)	210 mm x 270 mm x 417 mm
Weight	6 kg
Power supply	100 V to 240 V~, 50/60 Hz, 45-60 VA
Connectivity	RS 232, LAN 10/100 fully isolated, USB 2.0
Measurement modes	Standard / Progressive / Contact lens / UV
Thermo printer paper width	57 mm
Display	Tilttable 7 inch color touch screen

ZEISS is your all-around solution partner

In addition to high quality instruments for diagnostics and surgery, ZEISS also offers a wide range of spectacle lens solutions. ZEISS has raised the standard of UV protection to 400 nm by incorporating ZEISS UVProtect Technology in all clear lenses as a new industry standard. Now you are also able to measure levels of UV protection with the spectrometer of the ZEISS VISULENS 550.



PD sensor for convenient measurement of pupillary distance.



Easy to refill marking system with three marking pens.



Measurement of UV transmission.



Manufactured for:

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