



## 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 of 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 profound lens consultation and a high-level of patient care.

### Intelligent measurement modes for a wide range of lenses

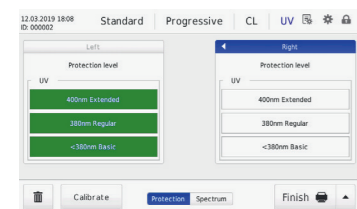
- Standard mode for single vision and multi-focal lenses for both tinted and untinted variants
- Progressive lens mode for tinted and untinted lenses
- UV transmission measurement mode
- Contact lens mode for soft and hard contact lenses

### Wavefront technology for precise lens measurement

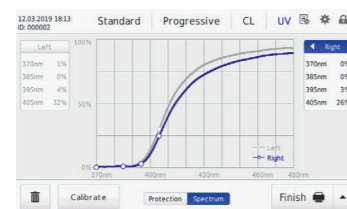
The built-in Shack-Hartmann wavefront sensor performs state-of-the-art measurement based on the values of 81 measurement points. The green LED (545 nm) supports measurement of high indices and makes adjustment of the Abbe number redundant.

### 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 identify lenses without sufficient protection and identify high quality lenses.



UV protection level mode for easy patient education.



UV spectrum mode for detailed insights.

7" tiltable color touch screen

Intuitive software

Pupillary distance sensor

Lens marking system

Shack-Hartmann wavefront sensor

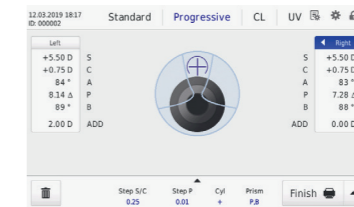
Integrated printer

UV spectrometer

Optimized housing for long temples

### Ease of use in operation

The well-structured software together with a tiltable 7" color touch screen enables intuitive and fast operation. The user interface nicely navigates you through the single working steps, from measurement to printout or data storage. An added option allows you to set-up user profiles suiting your 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 a fast data transfer between ZEISS VISULENS 550 and practice management systems including ZEISS FORUM and ZEISS i.Com mobile / VISUCONSULT without transcription errors. Valuable time can be saved by connecting to the ZEISS subjective refraction unit.



### All information at a glance

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

# Technical specifications

## VISULENS 550 from ZEISS

### Highlights at a glance

- Shack-Hartmann sensor and UV spectrometer for precise information
- Modern operator concept for comfortable handling
- Versatile connectivity and printing options for a flexible and fast workflow
- Well-organized 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 $\pm 10$ 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 $\Delta$ to 20 $\Delta$ in steps of .01 / 0.06 / 0.125 / 0.25 $\Delta$
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.



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PD sensor for convenient measurement of pupillary distance.



Easy to refill marking system with 3 marking pens.



Measurement of UV transmission.