



Simplicity with ZEISS Essential Line

Product Catalogue



We make it visible.

Advancement through simplicity.

Technological innovations advance rapidly. Devices are getting more complex every day and it is often time consuming to understand and get used to them. Therefore at ZEISS, we aim to stay ahead of current technology, while designing instruments and solutions focused on simplifying the foundations of daily routines.

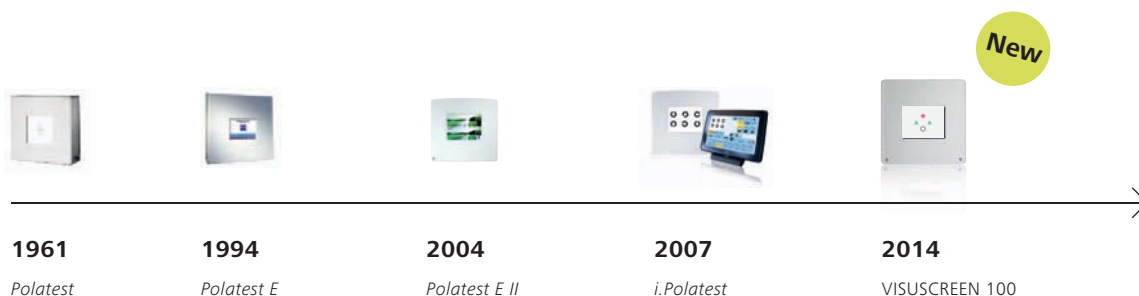
Staying up-to-date as a modern eyecare professional is a critical aspect of the ophthalmic business. Opening the door to innovative technology means opening the door to a simplified workflow and satisfied patients.

From **A**namnesis to finished **Z**EISS lenses, our routine diagnostic and dispensing instruments are designed to allow opticians to spend more time on what matters most – patients – and help in prescribing the best vision solution.

ZEISS can provide you with instruments that are tailored to the needs of your practice; and reassurance from the decades of experience and innovations that ZEISS developers have achieved.

The combination of experience and customer focus results in a range of highly technological instruments which provide opticians with reliability and confidence in their daily tasks. ZEISS routine diagnostics and dispensing instruments simplify working life and help advance an optical business.

History of ZEISS visual acuity testing innovations



// 1 Exam & Refraction



ZEISS VISUREF 100
Autorefractor/Keratometer



ZEISS VISULENS 500
Lensmeter



ZEISS VISUSCREEN 100
Visual Acuity Chart



ZEISS VISUPLAN 500
Non-contact Tonometer

The line-up

ZEISS offers instruments for exam and refraction, designed to support your patient consultation from the beginning. VISULENS® 500 from ZEISS lets you determine your patient's actual lens prescription quickly and this information will speed up the objective and subjective refraction. With the VISUREF® 100 autorefractor/keratometer and VISUSCREEN 100 visual acuity chart from ZEISS, the best prescription for patients can be determined. Simultaneously, opticians can offer additional security by examining patients intraocular pressure with VISUPLAN® 500 non-contact tonometer from ZEISS.

// 2 Lens Fitting & Consultation



ZEISS i.Terminal mobile
Mobile Centration System (for iPad)

Staying focussed on patient satisfaction is key for the consultation process. With the i.Terminal® mobile from ZEISS, a digital centration system for the iPad, opticians can easily ensure proper lens fitting to increase patient satisfaction. They can also reduce complaints and fitting errors, and ultimately provide better vision for patients while enjoying the advantages of ZEISS precision instrumental lens solutions in combination with easy use.

Find out how ZEISS instruments can simplify your daily routine on the following pages.

VISULENS 500 from ZEISS.

Making day-to-day work easier.

ZEISS VISULENS 500 is a straight forward, easy-to-use, automated lensmeter designed to speed up the daily workflow within a practice.

The instrument helps opticians to spend more time on patient consultation and easily increase output. It supports the process by checking the correct lens centration in order to avoid complaints.

Its high functionality can noticeably simplify consultation.

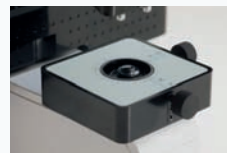
ZEISS VISULENS 500 allows you to precisely determine the power of the entire set of different lens materials and designs, without the need to adjust the Abbe number. In addition, ZEISS VISULENS 500 features an advanced UV transmission measurement system.

The result: increased confidence for your patients and more upselling potential for your practice.



All key data can be printed for immediate use

Optional contact lens adapter with precise XY positioning



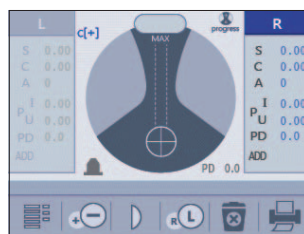
Measures UV transmission simultaneously at four different wavelengths





Coloured display for easy readability and intuitive use

Green LED for precise measurements without adjusting the Abbe number



Quick determination of the power of any lens design and material



Enhanced UV transmission measurement mode to provide patients with confidence in higher quality lenses

6 different operating modes are available

- Standard mode for single vision, multifocal and prism lenses
- Tinted lens mode
- Progressive lens mode
- Soft contact lens mode
- Hard contact lens mode
- UV transmission mode.

Technical data, Measurement

Measurement wavelength	546 nm (e line)
Sphere	-25 to +25 D (Increments: 0.01/0.125/0.25 D)
Cylinder	0 to ±10.00 D (Increments: 0.01/0.125/0.25 D)
Cylinder mode	+, -, Mix
Axis	0° to 180° (Increments: 1°)
Addition	0 to +10 D
Prism	0 to 10 Δ (Increments: 0.01/0.125/0.25 Δ)
Prism mode	Cartesian, polar, decentering
Pupil distance	0 to 81.8 mm
UV-Transmission measurement wavelength	365 nm, 375 nm, 395 nm, 405 nm

Physical Data

Line voltage	100-240 V AC ± 10%, 50...60 Hz
Power consumption	40 VA
Dimensions (W x H x D)	210 x 417 x 270 mm
Weight	6 kg
Interface	RS232
Display	Tilttable 320 x 240 px Color LCD
Printer	Thermal, integrated

VISUPLAN 500 from ZEISS.

Simple and convenient intraocular pressure measurement, as part of a holistic eyecare approach.

ZEISS VISUPLAN 500 is a non-contact tonometer to provide professional glaucoma care.

ZEISS VISUPLAN 500 enables opticians to provide easy glaucoma screening, simply via a soft air puff - without contact and anesthesia of the eye.

Easy handling

ZEISS VISUPLAN 500 is intuitive to use with an automatic measuring process that is easily controlled via a touch screen.

A test air puff prepares patients for the subsequent examination.

Fast and reliable examination

A stable headrest and LED fixation allow a fast and reliable examination of patients' intraocular pressure. The automatic positioning and measurement make sure the results are repeatable and comparable whilst they are directly displayed on the screen.

Automatic positioning and measurement

Thanks to the auto-tracking of the probe, it is very easy to find the right position and initiate the measurement



Soft puff of air for more comfort

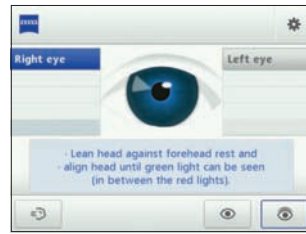
ZEISS VISUPLAN 500 makes the measurement of intraocular pressure gentler and more comfortable for patients. The non-contact measurement uses one or more puffs of air



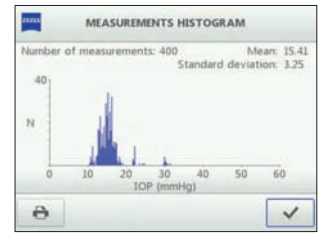


Stable headrest and reliable LED fixation

The headrest easily moves, allowing for simple positioning of the patient. The integrated LEDs help patients intuitively fixate, enabling a fast and reliable measurement.



Intuitive user interface to control the patient's position



Featuring measurement histogram to monitor the overall distribution

Key benefits

- Quick indication of whether patients are at risk
- Accurate measuring results regardless of the user
- Practice staff can take the measurements.

Technical Data, Measurement

Intraocular pressure	7 to 60 mmHg
Measuring method	Non-contact, air puff

Physical Data

Line voltage	100-240 V AC ± 10%, 50...60 Hz
Power consumption	73 VA
Dimensions (W x H x D)	270 x 501 x 359 mm
Weight	11 kg
Interface	RS232
Display	5.7" Color Touch LCD
Printer	Thermal, integrated

VISUREF 100 from ZEISS.

Premium vision starts with premium diagnostics.

ZEISS VISUREF 100 is a 2-in-1 diagnostic instrument, including auto-refractometer and keratometer.

The VISUREF 100 from ZEISS provides accurate and reliable data for daily practice routines. Intuitive handling features let opticians conduct the most important measurements with one device, including pupil and iris diameter evaluations. Refraction measurements of patients with implanted IOLs are also possible. Additionally, the automatic fogging incorporates an infinity scene to reduce the effects of accommodation.

A valuable addition to your practice.

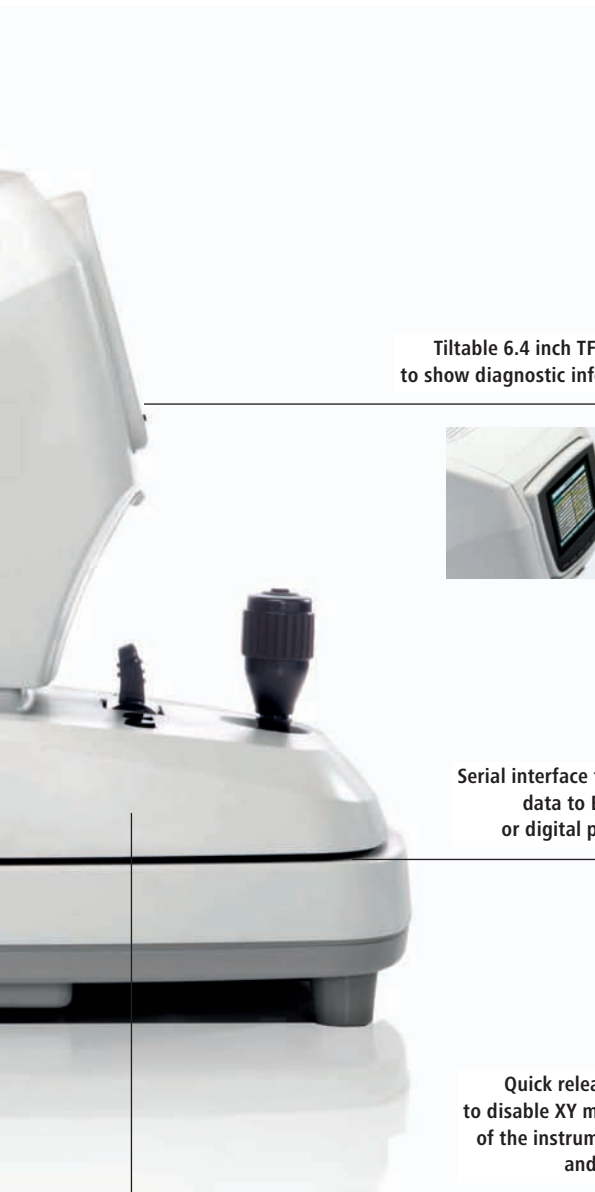
When taking care of patients, every minute is valuable and there is no time for dealing with complex systems. On the other hand, diagnostic data is needed, especially for the very first step in vision care – the refraction/keratometric evaluation.

ZEISS VISUREF 100. Adding more precision and reliability to vision care – right from the start.



Motorised chinrest to quickly and comfortably position the patient





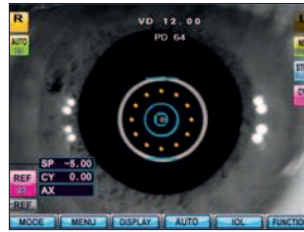
Tilttable 6.4 inch TFT display
to show diagnostic information



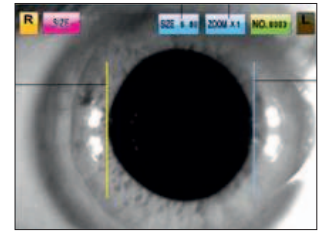
Serial interface to export
data to EMR/PMS
or digital phoropter



Quick release brake
to disable XY movement
of the instrument base
and printout



Fast and reliable determination
of refraction and keratometry data



Quick and easy determination
of pupil size

4 different operation modes

- Refraction and keratometry combined (RK)
- Refraction (REF)
- Keratometry (KER)
- Contact lens base curve (CLBC).

Technical data, Refraction

Sphere	-25 to +22 D (Increments: 0.12/0.25 D)
Cylinder	0 to ±10 D (Increments: 0.12/0.25 D)
Min. Pupil Diameter	2 mm

Technical data, Keratometry

Corneal Curvature	5.0 to 10.2 mm (Increments: 0.01 mm)
Corneal Refraction	33 to 67.5 D (Increments: 0.12/0.25 D)
Corneal Astigmatism	0 D to -15 D (Increments: 0.12/0.25 D)
Axis	0 to 180° (Increments: 1°)
Corneal diameter	2.0 to 12.0 mm (Increments: 0.1 mm)

Physical Data

Line voltage	100-240 V AC ± 10%, 50...60 Hz
Power consumption	90 VA
Dimensions (W x H x D)	275 x 450 x 525 mm
Weight	18 kg
Interfaces	1 x RS232, 1 x VGA
Display	Tilttable 6.4" Color LCD
Printer	Thermal, integrated

VISUSCREEN 100 from ZEISS.

Trust in 50 years of experience and innovation in visual acuity testing.

ZEISS VISUSCREEN 100 is an all-round visual acuity LCD chart with red/green separation.

ZEISS VISUSCREEN 100 comes with a variety of vision tests to perform monocular and binocular testing with different test charts, as well as special tests for children. While it is one of the most complete visual acuity charts in the market, it is still very easy and intuitive to use.

Optimise eyesight examinations with individual workflows for test chart sequence.

Personal workflows allow the compilation of different test chart sequences based on preferences. ZEISS VISUSCREEN 100 can be easily combined and upgraded with VISUPHOR® 500 from ZEISS, a digital phoropter, to streamline the workflow in the examination room and create a professional environment for patients.

Different control options for the best fit depending on different requirements.

ZEISS VISUSCREEN 100 can be operated via IR or an intuitive iPad application for a fast and easy switching of test charts.

Provide patients with the best possible visual acuity by using modern and precise ZEISS testing technology.

VISUSCREEN 100 even fits into small exam rooms with a distance of 1m in indirect use, and the size of optotypes adjusts automatically to the distance.

Choose between two different input device options



IR control



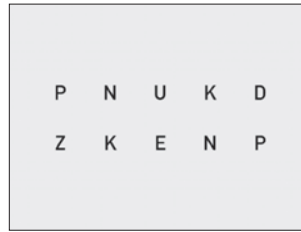
iPad



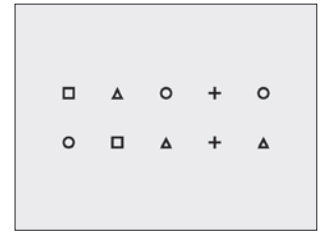
ZEISS VISUSCREEN 100
is designed to function
harmoniously with the
ZEISS VISUPHOR 500
automatic phoropter for
easy and fast refraction



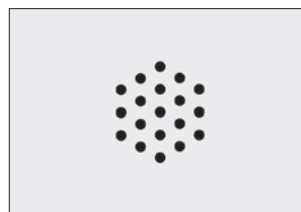
**Flat screen design with
premium glass front panel
prevents steps or shadows**



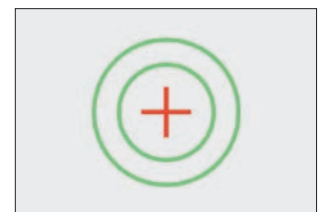
Letters to determine visual acuity



Kolt optotypes to determine visual acuity



Dot test for astigmatism testing



Schober test to determine heterophorias



ZEISS VISUSCREEN comes with more than 20 tests for monocular & binocular vision testing and the full MKH series. Create and edit individual workflows with the touch of a button.



ZEISS VISUPHOR 500: The ergonomic software is optimised for workflow efficiency. Fully integrated GUI allows operation of both devices (as a subjective refraction unit) from one application.

Technical data

Test area size (W x H)	299.5 x 223.5 mm
Testing distance	1 to 8 m
Polarisation directions for analysers	Right eye: 45° / Left eye: 135°

Physical data

Line voltage	100-240 V AC ± 10%, 50...60 Hz
Power consumption	50 VA
Dimensions (W x H x D)	594 x 594 x 110 mm
Weight	16 kg
Interfaces	1x USB
System requirements	iPad 3, 4 or Air with iOS 7 or later

i.Terminal mobile from ZEISS.

Digital centration is now available.

Mobile centration is the new way to capture patients' individual parameters with ZEISS high precision technology. Over 20 years of experience in centration systems are now available in its most convenient form yet, allowing for the highest possible flexibility in the practice. The ZEISS i.Terminal mobile centration system for iPad gathers and calculates basic fitting parameters in a few seconds.

The application is designed to guarantee user-friendly control through intuitive handling to allow easy capturing of centration pictures. To further increase usability, the ZEISS i.Terminal mobile needs no extra accessory for the tablet, such as additional cameras or flashes.

Streamlined consultation is now combined in one solution.

Your patient data is safely stored on a networking server of the portable i.Com mobile data management system from ZEISS, in which the centration system is embedded. This allows for reliable procedures and easy data access from multiple iPads.



ZEISS i.Terminal mobile comes as part of ZEISS i.Com mobile, including the ZEISS i.Com server for storage of patient data and interfaces to common PMS.

Simple and fast usage through face recognition



Smaller and lighter than a pupillometer



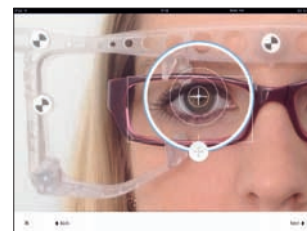
Including 2 calibration clips

No additional equipment necessary

Unlimited installations for multiple simultaneous centrations



ZEISS i.Terminal mobile takes up to 4 pictures in a row for best image quality.



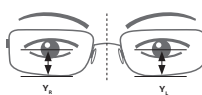
Easy adjustment of fitting parameters by a fingertip on the iPad.



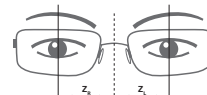
All fitting, lens and frame data at a glance.



The captured data is immediately transferred to ZEISS i.Com mobile for further data processing to common PMS and lens ordering.



Fitting height, segment height



Interpupillary distance

In 60 seconds, capture all necessary measuring parameters with i.Terminal mobile via iPad

- Monocular pupillary distance (mono PD)
- Fitting height, segment height
- Pantoscopic angle (PA)
- Head tilt
- Frame data (A, B, DBL)
- Vergence compensation.

Technical data

Patient distance from device	30 to 50 cm
Acquisition method	iSight camera of iPad, no additional hardware needed
Hardware	Compatible with Apple iPad generation 3 or higher
Operating system	Apple iOS 7 or higher
Connectivity	Full integration with i.Com mobile; WiFi necessary

Enter the 21st century of care.

Simplicity through advancement.

ZEISS brings advanced technology into people's lives on a daily basis. Technology that makes lives easier and achieves simplicity through advancement.

ZEISS simplicity is defined through the essentials that are needed within a practice, providing everyday instruments, designed to speed up processes, increase flexibility and offer additional value to your patients.

In addition, these instruments and services are the entry into the ZEISS world of technology, driven by decades of innovation and leadership.

ZEISS service agreements* encompass the full range of support offerings to ensure optimal device uptime and workflow convenience. Features like a local service hotline, quick response or preventive maintenance, ensure that you can always focus on what is important; caring for your patients.

* Availability depends on country. contact your ZEISS Account Manager for details.

Using synergies for the advantage of ZEISS customers.

Many of the products in this catalogue have been produced in cooperation with Carl Zeiss Meditec, combining each group's technological and industry insights in order to offer the best solution for patients.

Find out how ZEISS instruments and services can simplify your daily routine and leverage your business.

For more information and a customised offer contact your ZEISS Account Manager or visit the instruments and services website for eyecare professionals: www.zeiss.com/dti

The moment you see something you couldn't before. **This is the moment we work for.**

How will doctors treat their patients in the future? What role will photos and videos play in the communications of tomorrow? Just how far can the miniaturisation of semiconductor structures go? These and many other questions are what constantly propel ZEISS to new heights of excellence.

As a pioneer of innovative technology and one of the global leaders in the fields of optics and opto-electronics, ZEISS has always challenged the limits of human imagination.

With its trend-setting products and solutions for use in medicine, ZEISS sets the pace around the globe. Both doctors and patients benefit from these leading-edge technologies. One outstanding example is the INTRABEAM® radiotherapy system which may offer breast cancer patients considerably gentler and shorter treatment.

Razor-sharp images in 'The Lord of the Rings', the most successful movie trilogy of all time, or the crystal-clear image enjoyed by nature watchers through their binoculars or spotting scope – ZEISS reveals fascinating details every time.

In the area of semiconductor manufacturing technology, ZEISS is constantly advancing into even tinier dimensions. Solutions from ZEISS come into play in over half of all modern microchips produced worldwide. Wherever high precision is a must, measuring systems and software solutions from ZEISS contribute to ensure maximum standards of quality: airplanes become safer, cars faster and wind turbines – the future of power supply – more efficient.

Around the globe, two people per second decide to purchase spectacle lenses from ZEISS. With its focus firmly on the future, ZEISS Vision Care Business Group develops innovative lenses – like the revolutionary Digital Lenses that are specially designed to help tired and strained eyes cope with the challenges of the digital world.

This passion for perfection is the driving force behind all the company's business groups. With this goal always in sight, ZEISS creates consumer benefits and inspires the world to see things that were invisible before.





Get more information

Visit us at www.zeiss.com/dti

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