VISUSCREEN 100/500 and VISUPHOR 500 from ZEISS

Easy subjective refraction with acuity charts and digital phoropter

ZEISS

Confidently finding the best correction

VISUPHOR 500

ZEISS modern vision testing at its best

Skillful determination of best-corrected visual acuity can be time-consuming, requiring operator experience and various fine adjustments. It is well worth the effort when the result is perfect vision correction, a superior viewing experience and highly satisfied patients – as with the digital phoropter VISUPHOR® 500 and the acuity chart systems VISUSCREEN 100 and VISUSCREEN 500 from ZEISS. Combining comfort and convenience with speed and efficiency, they offer refraction specialists a sophisticated, modular solution.

Made to assist your expertise

Simplicity best describes the handling experience of the ZEISS subjective refraction system. Its clear, uncluttered user interface puts the control elements you need directly at the center of focus. The system is operated via touch screen, both with an optional medical grade panel PC or an iPad. Thanks to its WLAN capabilities, cables are kept to a minimum, allowing you to completely concentrate on the refraction procedure.

- Select patients from a daily worklist or simply start the refraction
- Upload presets from ZEISS autorefractors and lensmeters or access input from a patient database
- Choose from a wide range of optotypes and preconfigure your favorite test workflow

Highlights at a glance

Silent operation
Fast and smooth lens exchanges support efficient vision optimization and final prescription in real time.

Simple touch screen control
The clearly structured user interface makes working with the ZEISS VISUSCREEN/VISUPHOR very easy. With the fully integrated GUI, both the phoropter and acuity screen can be controlled as one subjective refraction unit. Even single-handedly, with the optional, medical grade panel PC or an iPad.

Smart workflow
The ZEISS VISUPHOR 500 enables preconfigured workflows. Thereby, settings for each test are optimally adjusted, fully automatically, making standard refraction tests simple and fast. Settings and workflows can also be individually configured in the freestyle mode.

Choice of acuity chart systems
The ZEISS VISUPHOR 500 digital phoropter is an accessory for the ZEISS VISUSCREEN 100/500 LCD acuity chart system. It is available either with red/green separation or with the renowned Polatest® technology from ZEISS. The acuity chart system features over 20 tests for accurately assessing monocular and binocular vision, and can also be operated as stand-alone device if you prefer to work with a trial lens set or a manual phoropter.

Headrest control
Patient contact with the headrest is continuously monitored and displayed on the screen.

Key benefits for you

- Flexible: Subjective refraction systems from ZEISS are modular and expandable to suit your needs.
- Simple: Acuity charts and phoropter allow easy, intuitive operation via touch-screen interface.
- Efficient: Preconfigured workflows let you get right to work, saving you time preparing refraction tests.
- Connected: You can upload presets from the autorefractor VISUREF® 100 and the digital lensmeter VISULENS® 500 from ZEISS; or directly connect to selected data management systems such as FORUM® from ZEISS.

Specifications and technical data
VISUSCREEN 100/500 and VISUPHOR 500 from ZEISS

VISUSCREEN 100/500

Test area size (W x H)	299.5 x 223.5 mm
Testing distance	1 to 8 m
Polarization directions for analyzers*	Right eye: 45° / left eye: 135°

VISUPHOR 500

Spherical lenses	−19.00 to +16.75 D (increments: 0.12 / 0.25 D)
Cylinder lenses	0 to ± 8.75 D
Cylinder axis	0 to 180° (increments: 1° steps)
PD	48 to 80 mm
Rotary prism	0 to 20 Δ
Retinoscopy	+1.5 D, +2.0 D
Pin hole lens	2 mm
Maddox rod	Right eye: red, horizontal / left eye: red, vertical
Red/green filter	Right eye: red / left eye: green
Polarizing filter	Right eye: 135°, 45° / left eye: 45°, 135°
Split prism	Right eye: 6 Δ BU Left eye: 10 Δ BI (up to 5 Δ complement)

Physical data	VISUSCREEN 100/500	VISUPHOR 500
Line voltage	100 – 240 V AC ± 10%, 50…60 Hz	100 – 120 / 200 – 240 V AC ± 10%, 50…60 Hz
Power consumption	50 VA	145 VA
Dimensions (W x H x D)	594 x 594 x 110 mm	361 x 280 x 108 mm
Weight	16 kg	5 kg
Interfaces	1x USB / WLAN	2x RS232 / Bluetooth
System requirements	iPad 3, 4 or Air with iOS 7 or later	iPad 3, 4 or Air with iOS 7 or later

*Only valid for VISUSCREEN 500

ZEISS VISUSCREEN 100/500 – advanced LCD acuity chart systems for fast, accurate monocular and binocular vision assessment

ZEISS VISUPHOR 500 – a digital phoropter that streamlines examination workflows and also contributes to the positive professional image of your eye care facility

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VISUPHOR 500

C E

VISUSCREEN 100
VISUSCREEN 500

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