



**VISUREF 100 from ZEISS**  
**Autorefractor / Keratometer**

Premium vision starts with premium diagnostics



# A valuable addition to your practice



## What you face every day

When taking care of patients, every minute is valuable. There is no time for dealing with complex systems. Still, you need diagnostic data that is reliable and accurate, no matter what. Especially for the very first step in vision care: the refraction/keratometric evaluation.

## How we can help

VISUREF® 100 from ZEISS – a straightforward, easy-to-use diagnostic instrument provides accurate and reliable data for your daily practice routines.

Easy to set up and use, the ZEISS VISUREF 100 can be operated after only a short training period. Intuitive handling features let you conduct the most important measurements with one device, including contact lens base curve, 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.

**As such, the ZEISS VISUREF 100 quickly becomes a valuable part of your practice environment, adding more precision and reliability to your vision care – right from the start.**



## Highlights at a glance

### Motorized chinrest

Conveniently operated by two buttons next to the joystick, the motorized chinrest lets you quickly and comfortably position the patient.



### Tiltable, 6.4 inch TFT display

Diagnostic information is clearly displayed in excellent contrast and resolution on the adjustable TFT monitor. Featuring a tilt range of 20°, it can be adjusted for individual user viewing preferences.



### Quick release brake

Within easy reach of the joystick, the quick release brake can be used to disable the XY movement of the instrument base. It helps you to comfortably position the instrument and increase the ease of use when the patient is seated.



### Connectivity with ZEISS VISUCONNECT 500

Connect your device to a local network, use a patient work list on a tablet and transfer measurements to your EMR/PMS or FORUM® from ZEISS with the optional VISUCONNECT® 500 from ZEISS.



### Key benefits for you and your patients

- Accurate and reliable data for high quality patient care
- Convenience in measurement and handling
- Transparent information and clear visibility for data analysis
- Patient comfort through ergonomic design
- The optional ZEISS VISUCONNECT 500 provides network connectivity, direct DICOM and a well-defined EMR interface



# Technical data

## VISUREF 100 from ZEISS

### 4 different operation modes

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

#### Refraction

Sphere (SPH)	-25 D to + 22 D in 0.12/0.25 D increments
Cylinder (CYL)	0 D to $\pm$ 10 D in 0.12/0.25 D increments
Axis (AX)	0°–180° in 1° increments
Vertex distance (VD)	0.0, 10.0, 12.0, 13.5, 15.0 mm
Pupil distance (PD)	10–85 mm
Min. pupil diameter	2 mm

#### Keratometry

Corneal curvature	5.0–10.2 mm in 0.01 mm increments
Corneal refraction	33 D to 67.5 D in 0.12/0.25 D increments
Corneal astigmatism	0 D to -15 D in 0.12/0.25 D increments
Axis	0°–180° in 1° increments

Corneal diameter	2.0–12.0 mm in 0.1 mm increments
Chinrest movement	65 mm, motorized
Printer	Thermal, integrated
Connectivity	1 x RS232, 1 x USB, 1 x ext. video
Power supply	AC 100V–240 V, 50/60 Hz
Dimensions, weight	275 mm x 525 mm x 450 mm (WDH), 18 kg



*ZEISS VISUREF 100 delivers accuracy and reliability right from the start*

CE 0297

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