



VISUREF 100

Autorefractor/Keratometer

Premium vision starts with premium diagnostics



We make it visible.

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

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

Easy to set-up and use, the 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 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.

Tilttable 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 break

Within easy reach of the joystick, the quick release break 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.

Additional port for external monitor

With the external video port, you can easily connect an additional monitor to further support your patient's education.

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



Technical data

5 different operation modes

- REF-KER successive (RK)
- Refraction (REF)
- Keratometry (KER)
- Contact lens base curve (CLBC)
- IOL mode for measurement of pseudophakic eyes

Refraction

Sphere (SPH)	-25 D to + 22 D in 0.12/0.25 D increments
Cylinder (CYL)	0 D to ± 10 D in 0.12/0.25 D increments
Axis (AX)	1° to 180° in 1° increments
Pupil Distance (PD)	10-85 mm
Min. Pupil Diameter	\varnothing 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	1° to 180° in 1° increments

Corneal Diameter	2.0- 12.0 mm in 0.01 mm increments
Vertex Distance	0.0, 10.0, 12.0, 13.5, 15.0 mm
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 x 525 x 440 (WDH), 20 kg



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



Carl Zeiss Meditec AG
Goeschwitzer Strasse 51–52
07745 Jena
Germany
www.meditec.zeiss.com



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