



VISUREF 150 from ZEISS
Autorefractor/Keratometer

Fast and reliable refractive assessments



A reliable tool for your practice



What you face every day

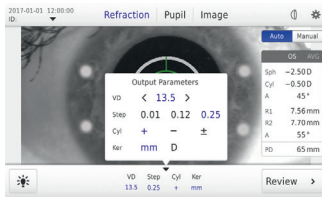
In order for any practice to run smoothly, routine assessments must be easy to perform. As part of the daily pretest workflow, the refraction assessment is no exception. Maintaining a high patient throughput in this area is key to the success of every eye care facility.

How we can help

VISUREF® 150 from ZEISS is a basic diagnostic instrument that combines consistent performance and user convenience. It delivers fast, reliable refraction and keratometry results for an in-depth assessment of the patient's condition. Easy to set up and use, the ZEISS VISUREF 150 can be operated after only a short training period.

Apart from refraction and keratometry the intuitive workflow-oriented user interface also conducts cornea and pupil diameter measurements, image capture, and contact lens base curve measurements. Adaptable illumination parameters also allow measurements of patients with implanted intraocular lenses (IOLs). Additionally, the automatic fogging incorporates an infinity scene that reduces the effects of accommodation.

The ZEISS VISUREF 150 has all the qualities needed to quickly become a valuable asset for your practice environment. Its modern communication technology allows the device to seamlessly fit into any practice, supporting efficient diagnostic workflows.



Modern operating concept

The intuitive user interface guides the user through the main workflow steps of the refractive assessment. The user can also choose from different measurement settings (e.g. manual, auto trigger) and various illumination parameters (e.g. IOL mode) for optimal results.

Flexible instrument control

Measurements are conducted easily using the touchscreen and joystick. Diagnostic information is displayed clearly on the adjustable color touch monitor. Leveraging the motorized chin rest allows patients to be quickly and comfortably positioned. Additionally, the integrated quick release brake prevents unintended movements of the instrument base.

Data management

Previous measurements are easily retrievable via the local device memory. Users can view all details for up to 10 measurements per eye and their average values. Results may be printed out using the integrated thermal printer or through a network printer. Measurement data may also be reviewed on a PC via the web server interface.

Versatile connectivity options

Connect the device to your EMR/PMS or to FORUM® from ZEISS. Import patient work lists with an iPad or PC onto the ZEISS VISUREF 150 and directly select patients for measurement. Data can be transferred in common file formats (e.g. PDF, XML) to a USB stick or to a local network folder. Exported objective refraction data is sent seamlessly to the ZEISS acuity chart system to preset the VISUPHOR® 500 digital phoropter from ZEISS.

Key benefits for you and your patients

- Fast, accurate data for high-quality patient care
- Operator and patient comfort through ergonomic design
- Convenient measurements and data handling
- Enhanced connectivity for efficient workflows



Technical data

ZEISS VISUREF 150



Four different operation modes

- Combined refraction and keratometry mode
- Pupil and cornea diameter measurement mode
- Image capture mode
- Contact lens base curve measurement mode

Refraction

Sphere	-25.00 D to +22.00 D in steps of 0.12 D/0.25 D
Cylinder	0.00 D to ±10.00 D in steps of 0.12 D/0.25 D
Axis	0° to 180°, in steps of 1°
Corneal vertex distance	0.00, 10.00, 12.00, 13.50, 15.00 mm
Pupillary distance (PD)	10 mm to 85 mm
Min. pupil diameter	2 mm

Keratometry

Corneal curvature	5.00 to 10.20 mm, in steps of 0.01 mm
Corneal refraction	33.00 D to 67.50 D, in steps of 0.12 D/0.25 D
Corneal astigmatism	0.00 D to -15.00 D, in steps of 0.12 D/0.25 D
Axis	0° to 180°, in steps of 1°

Corneal diameter	2.00 to 12.00 mm, in steps of 0.10 mm
Chin rest movement	65 mm, motorized
Printer	Internal thermal printer (paper width 57 mm), printable PDF via optional network printer
Connectivity	1 x serial interface RS 232; fully isolated 2MOPP 1 x network connection (LAN 10/100); fully isolated 2MOPP Supported data output options: <ul style="list-style-type: none"> ■ to EMR, PMS systems or ZEISS FORUM ■ file-based to network folder and USB stick Web service interface for data retrieval 1 x USB interface (for USB stick only) 1 x VGA monitor output
Output data format	XML (JOIA), PDF
Power supply	100 V to 240 V AC ±10%; 50/60 Hz
Dimensions (W x D x H)	275 mm x 525 mm x 450 mm
Weight	18 kg



Manufactured for:

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