

Concepta Refraction Unit

Concepta – The Refraction Unit

Our *Concepta* Examination System incorporates the most recent technology to bring flexibility and compact design to your office examination room environment. It is a work station designed to efficiently allow the maximum number of examinations in the least amount of space.

When combined with the Oculus Keratograph and an integrated PC, it becomes a complete work station for refraction and for fitting contact lenses.

Ergonomics

The *Concepta* has been developed as a refraction unit without compromise. This means that you have all instruments and information immediately at hand for refraction and topography (if desired) for refractive surgery patient information and for dispensing corrective and contact lenses. A set of measuring lenses can

also be stored in a specially provided corrective lens drawer.

The input and output units of the PC (optional), the keyboard and the flat-screen monitor are swivel-mounted to keep them within reach whenever required. The vision tester's support arm automatically lowers into position in front of the patient when desired. The control panel of the computerized vision tester is within easy reach of the examiner on the tabletop.

Economy

The *Concepta* helps you economize in every way: It requires only a small space in the refraction room – even the PC and the monitor are completely integrated into the compact design. The built-in PC is at your disposal as a full-scale work station and gives you access to test subjects even when they were tested at other work stations in your network.

The disk drive or CD-ROM drive and the interfaces are easy to reach, so that



Vertical and rotary motion
in a single working
movement.

Oculus Concepta with new Kinetronic Vision Tester Support Arm Control

The new Kinetronic vision tester support arm control system offers you cam-controlled vertical and rotary motion with an electrically powered drive mechanism, a rotation angle of 90°, and a vertical lift range of 290 mm.

upgrades and other additions to the unit can be carried out with ease. An adapter for the visual acuity chart projector is standard equipment.

Design

The *Concepta* unites form, function, and solid design to a degree unknown before now:

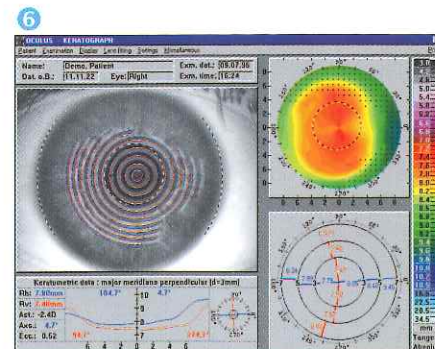
The optional metal panel at the front of the main body not only is an attractive design element, but provides protection as well.

All of the equipment which is not constantly required – such as the monitor and keyboard, the trial lens case and vision tester – are elegantly integrated, yet immediately and easily accessible when needed.

The overall design, from the seat to the unit and the vision tester support arm, represents a unified concept adapted to your own office environment through different seat coverings and wood stains/finishes.



*Concepta
left hand version*



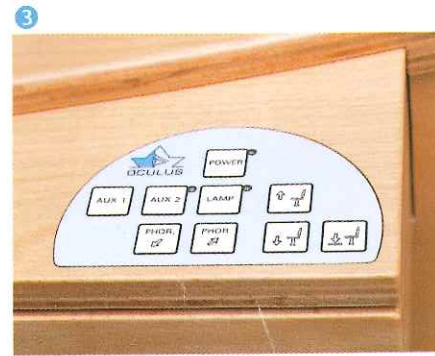
The Concepta in detail

- 1 Integrated corrective lens case
- 2 PC keyboard
- 3 Keypad-type control panel
- 4 Table extension
- 5 Remote control unit
- 6 High-performance Keratograph software

Options for patient chair:

- Head rest
- Arm rest
- Foot rest





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Our *Concepta* refraction unit is modern and open for development by you. It is a work station designed for use in examining and determining the refraction of your customers or patients. It opens up a wide range of options to you.

When combined with a keratograph and an integrated PC, it becomes your full-scale work station for fitting contact lenses. Needless to say, all additions to the unit perfectly enhance the *Concepta's* compact design. The resulting unit occupies a minimum of space but offers a maximum of

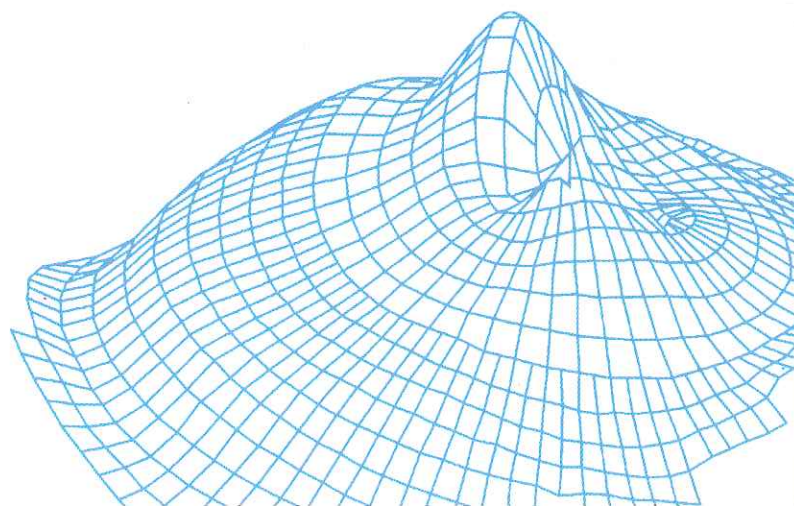
- Ergonomics,
- Economy, and
- Design

for refraction and diagnosis.



Concepta – The Unit

From a trial lens case ① to Keratograph corneal topography software ⑥, the *Oculus Concepta* provides everything required in your daily work in a compact and ergonomic design



Technical Data

Tabletop support platform

Rotating, laterally movable table for 2 units, table dimensions: 860x360 mm
Table height: 872 mm, rotary movement with two mechanical click-stops at 75° and 90°
Range of lateral movement: 350 mm, with magnetic locking device,
Connections for 2 examination units (6V or 12V as desired), one low voltage unit dimmer as standard equipment, connection for fixation light,
Knee bracket safety cut off switch for patient seat

Patient Seat

It is permanently attached to the unit. Seat elevation: 445 – 645 mm, lifting power: 2500 N

Kinetronic Vision Tester Adjustment

Cam-controlled vertical and rotary motion with electrically powered drive mechanism
Vertical lift range: 290 mm, angle of rotation 90°

Projector Column

Height: 1785 mm, receptacle for projector: 30 mm in diameter
(Optional adapters are available for other diameters)

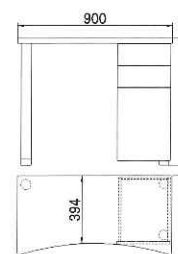
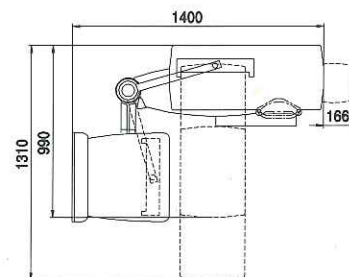
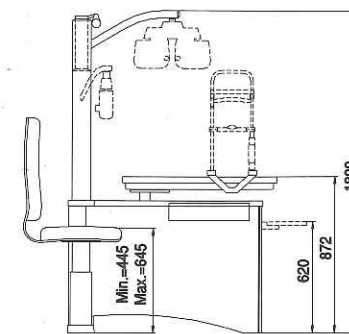
Electrical Data

Mains connection: 230V AC (option: 115V AC)
Power consumption (depending on technical equipment): Max. 10A, standby < 0,01 A
Built-in transformer for low-voltage devices: peak output 160W
Secondary: 3.5V – 20W, 6V – 60W, 12V – 80W

CE According Medical Device Directive 93/42/EEC

Other technical data and information on auxiliary equipment is available from *Oculus Optikgeräte GmbH*.

Subject to design changes without notice. Pictures may include optional accessories.



Oculus is certified according
to TÜV ISO 9001/EN 46001

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