PLUG & TOUCH BY RODENSTOCK

AUTOREFRACTOR-KERATOMETER
CX 2000

Intuitive use. Immediate results.

- **Central + peripheral k-values**
- **Auto-alignment + auto-measurement**
- **Pupil + cornea ø measurement**
- **Colour touch-screen**
- **Power motion joystick**
- **Electronically controlled chinrest**
- **Extremely fast operation**

RODENSTOCK Instruments. In touch with your needs.

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QUALITY IN DETAIL

The CX 2000 sets a new standard for modern eye diagnostic instruments using the latest electronic technology innovations. Thanks to the electronically controlled movement operation and alignment can be done by using either the power motion joystick and/or touch-screen – all in a fraction of a second. The Rodenstock CX 2000 conveys professionalism and ease of use by providing highly accurate measurements in a remarkably short examination time.

Auto-alignment + auto-measurement

Operating the **CX 2000** couldn't be easier. Simply align the measurement head towards the patient's eye and the instrument takes over, handling the fine adjustment and measurement all by itself. Once the first measurement is completed the colour touch-screen displays a prompt to automatically repeat the measurement process on the other eye.

Colour touch-screen

The 5.7″ colour touch-screen is used to monitor operation and display the measurement results. The measurement head can be moved in all directions simply by touching the screen. All commands are inputted via touch-screen.

Extremely fast operation

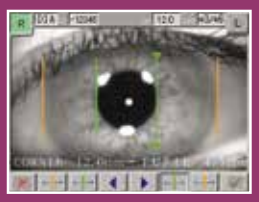
The **CX 2000** acquires measurement data for both refraction and keratometry remarkably fast in less than three seconds, making the most effective use of your time and maximising cost effectiveness.

Central + peripheral k-values

The **CX 2000** provides keratometer values for the central (ø 3 mm) and peripheral (ø 6 mm) simultaneously within one second. Measurement can be made from the cornea or the back surfaces of a RGP contact lens.

Power motion joystick

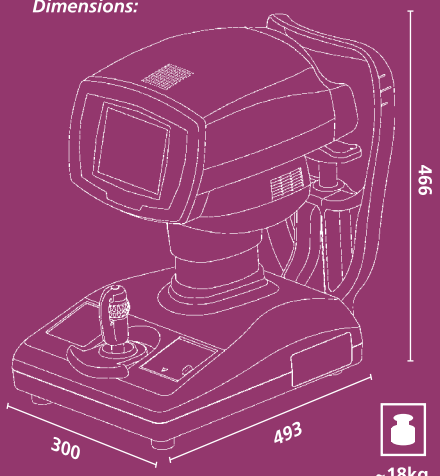
The **CX 2000** is equipped with the newest joystick technology available. Five power motion modes ensure precise and silent movement of the head in all directions. You have the choice between coarse or fine movement towards the patient's eye.



Pupil + conea ø measurement

Auto-alignment

Dimensions:



~18kg

SPECIFICATIONS

Refractive power measurement
Spherical (SPH) .....-25.00 D to +22.00 D (at VD=12.0 mm)
Cylindrical (CYL) .....0 D to ±10.00 D (at VD=12.0 mm)
Display unit.....0.01 D, 0.12 D, 0.25 D
Asti. axial angle (AXIS) .....0° to 180°
Asti. display unit .....1°
Minimum pupil Ø.....2.2 mm
Vertex distance .....0 mm, 12.0 mm, 13.5 mm, 14.0 mm, 15.5 mm, 16.0 mm
Measurement time.....0.2 sec/single eye (data taking time)

Corneal measurement
Curvature (K1, K2, AVG)..5.00 mm to 11.00 mm
Display unit.....0.01 mm
Refractive power
(K1, K2, AVG).....30.68 D to 67.50 D (n=1.3375)
Astigmatism (CYL) .....0 D to 10 D (n=1.3375)
Display unit.....0.01 D
Asti. axial angle (AXIS) .....0° to 180°
Asti. display unit .....1°
Cornea ø .....3.0 mm/6.0 mm (at 8.00 mm corneal curvature)
Measurement time.....0.1 seconds/single eye (data taking time)

Pupillary distance measurement
Measurement range.....50 to 86 mm
Display unit.....1 mm

Corneal and pupillary diameter measurement
Measurement range.....1 to 14 mm
Display unit.....0.1 mm
Observation range .....approx. 15 mm × 9 mm

Auto-alignment range
Up-down/left-right
Directions .....7 mm
Focusing direction.....5 mm

Main unit
Built-in printer.....Thermal printer

Movable part
Movement range
Front-rear .....40 mm
Left-right .....88 mm
Up-down .....50 mm

Chin rest
Movable range.....70 mm
Data output type .....RS 232 c
Display.....5.7″ TFT

Dimensions and electric requirements
Dimensions (WxDxH).....300 × 493 × 466 mm
Weight .....approx. 19 kg
Input.....100 to 240 V AC
Frequency .....50/60 Hz
Power consumption .....130 VA to 150 VA

2018/02 - subject to change without notice

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