

# PLUG & TOUCH BY RODENSTOCK

AUTOREFRACTOR-KERATOMETER  
CX 2000

Intuitive use. Immediate results.

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



# 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

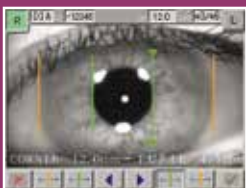
The CX 2000 acquires measurement data for both refraction and keratometry remarkably fast in less than three seconds, making the most effective use of your time and maximising cost effectiveness.

## Central + peripheral k-values

The CX 2000 provides keratometer values for the central ( $\varnothing$  3 mm) and peripheral ( $\varnothing$  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.

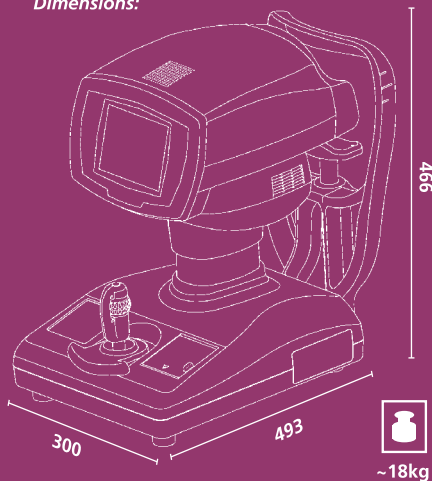


Pupil + cornea  $\varnothing$  measurement



Auto-alignment

Dimensions:



## SPECIFICATIONS

### Refractive power measurement

Spherical (SPH) ..... -25.00 D to +22.00 D (at VD=12.0 mm)  
Cylindrical (CYL) ..... 0 D to  $\pm$ 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  $\varnothing$  ..... 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  $\varnothing$  ..... 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  $\times$  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  $\times$  493  $\times$  466 mm  
Weight ..... approx. 19 kg  
Input ..... 100 to 240 V AC  
Frequency ..... 50/60 Hz  
Power consumption ..... 130 VA to 150 VA

