

**RODENSTOCK** Instruments



Making analysis  
fashionable

**CX 800/  
CX 2000**

Auto Ref-Keratometer

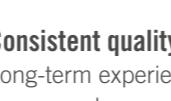
# The CX 800/CX 2000: Choose the perfect match for your business



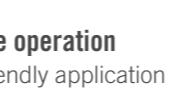
I was looking  
for a reliable,  
easy-going Auto  
Ref-Keratometer.  
Here I got it.

A smart selection  
to suit your needs.

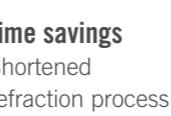
## What are your benefits?



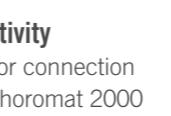
**Consistent quality**  
Long-term experience  
you can rely on



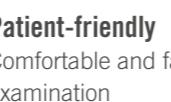
**Intuitive operation**  
User-friendly application



**Time savings**  
Shortened  
refraction process



**Connectivity**  
Ready for connection  
to our Phoromat 2000



**Patient-friendly**  
Comfortable and fast  
examination



### Auto measurement

By aligning the optical head  
towards the patient's eye, the  
measurement is automatically  
taken by the CX 800.

**Colour touch screen**  
The 5.7" colour touch screen of  
the CX 800 is used as the operating  
monitor, while simultaneously  
displaying all measured values.



## Outstanding features



**Auto alignment & auto measurement**  
Any operator can easily take measurements  
with auto alignment and auto measurement  
of the CX 200. The measurement  
variation is significantly reduced and does  
not depend on the operator's skill level.

**Touch screen operation**  
The 5.7" colour touch screen  
is used as the operating monitor,  
while simultaneously displaying  
all measured values. The measurement  
head can be moved in all  
directions simply by touching  
the screen.



# Specifications

## REFRACTIVE POWER MEASUREMENT

|                                      | CX 800                                 | CX 2000                                |
|--------------------------------------|----------------------------------------|----------------------------------------|
| Measurement range (spherical)        | -25.00 D to +22.00 D (at VD = 12.0 mm) | -25.00 D to +22.00 D (at VD = 12.0 mm) |
| Display unit (spherical)             | 0.01 D/0.12 D/0.25 D                   | 0.01 D/0.12 D/0.25 D                   |
| Measurement range (cylindrical)      | 0 D to $\pm$ 10.00 D (at VD = 12.0 mm) | 0 D to $\pm$ 10.00 D (at VD = 12.0 mm) |
| Display unit (cylindrical)           | 0.01 D/0.12 D/0.25 D                   | 0.01 D/0.12 D/0.25 D                   |
| Measurement range (astigmatism axis) | 0° to 180°                             | 0° to 180°                             |
| Display unit (astigmatism axis)      | 1°                                     | 1°                                     |

## CORNEAL CURVATURE MEASUREMENT (K1, K2, AVG)

|                   |                                                        |                                                        |
|-------------------|--------------------------------------------------------|--------------------------------------------------------|
| Measurement range | 5.00 mm to 11.00 mm<br>30.68 D to 67.50 D (n = 1.3375) | 5.00 mm to 11.00 mm<br>30.68 D to 67.50 D (n = 1.3375) |
| Display unit      | 0.01 mm                                                | 0.01 mm                                                |

## CORNEAL ASTIGMATISM & AXIS (C, A)

|                                                       |                          |                          |
|-------------------------------------------------------|--------------------------|--------------------------|
| Measurement range (C)                                 | 0 D to 10 D (n = 1.3375) | 0 D to 10 D (n = 1.3375) |
| Measurement range (A)                                 | 0° to 180°               | 0° to 180°               |
| Measurement area cornea (at 8.0 mm corneal curvature) | Ø 3.0 mm                 | Ø 3.0 mm/Ø 6.0 mm        |
| PD range                                              | 50 mm to 86 mm           | 50 mm to 86 mm           |
| Minimum pupil diameter                                | Ø 2.0 mm                 | Ø 2.2 mm                 |
| Vertex distance                                       | 0.0 mm to 16.0 mm        | 0.0 mm to 16.0 mm        |

## MAIN UNIT

|                  |                    |                    |
|------------------|--------------------|--------------------|
| Built-in printer | Thermal printer    | Thermal printer    |
| Output           | RS-232C            | RS-232C            |
| Display          | 5.7" colour LCD    | 5.7" colour LCD    |
| Chin rest        | Electr. controlled | Electr. controlled |

## DIMENSIONS & ELECTRICAL REQUIREMENTS

|                   |                    |                    |
|-------------------|--------------------|--------------------|
| Dimensions WDH    | 297 x 500 x 448 mm | 300 x 493 x 466 mm |
| Weight            | Approx. 17 kg      | Approx. 19 kg      |
| Voltage           | 100 VAC to 240 VAC | 100 VAC to 240 VAC |
| Frequency         | 50/60 Hz           | 50/60 Hz           |
| Power consumption | 80 VA to 100 VA    | 130 VA to 150 VA   |

## Keratometry

Get the central (Ø 3 mm) keratometer readings within one second. Measurements can be taken from the front surface of the cornea or the back surface of RGP contact lenses.

### Enhanced function of CX 2000:

Besides the central (Ø 3 mm) keratometer readings, the device provides the peripheral (Ø 6 mm) cornea simultaneously. KAI (Kerato-Asymmetry Index) and KRI (Kerato-Regularity Index) display irregularities of the cornea.

## Refraction

Accurate starting values for subjective refraction are essential. The high-speed mode allows accurate results to be obtained – even in uncooperative patients.

## Pupil & cornea diameter

Measurements can be taken easily by moving the two cursors on the display to the boundary of the cornea or pupil. This is useful for deciding the diameter of a contact lens and for other contact lens fitting practices.



## RODENSTOCK Instruments

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RODENSTOCK Instruments is a business unit of TOMEY GmbH

## IOL/CAT mode

This mode is used to measure cataracts and pseudophakic eyes.