

RODENSTOCK Instruments



Making analysis
fashionable

**CX 800/
CX 2000**

Auto Ref-Keratometer

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



What are your benefits?



Consistent quality
Long-term experience
you can rely on



Intuitive operation
User-friendly application



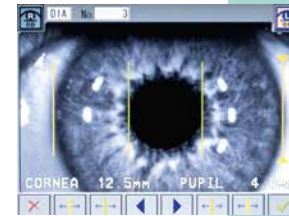
Time savings
Shortened
refraction process



Connectivity
Ready for connection
to our Phoromat 2000



Patient-friendly
Comfortable and fast
examination



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



A smart selection
to suit your needs.

Outstanding features

CX 800



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.

CX 2000



Auto alignment & auto measurement

Anyone can easily take measurements
with auto alignment and auto measure-
ment of the CX 2000. 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 measure-
ment head can be moved in all
directions simply by touching
the screen.

Power motion joystick

Five power motion modes ensure precise and
silent movement of the head in all directions.
You have the choice between incremental or
smooth movement towards the patient's eye.



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 ±10.00 D (at VD = 12.0 mm)	0 D to ±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 30.68 D to 67.50 D (n = 1.3375)	5.00 mm to 11.00 mm 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 × 500 × 448 mm	300 × 493 × 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

RODENSTOCK Instruments

Wiesbadener Strasse 21
90427 Nürnberg, Germany
Phone +49 (0)911 938 546 2777
Fax +49 (0)911 938 546 220
info@rodenstock-instruments.de
www.rodenstock-instruments.de

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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.

IOL/CAT mode

This mode is used to measure cataracts and pseudophakic eyes.