RODENSTOCK Instruments

Making analysis fashionable

CX 800/ CX 2000

Auto Ref-Keratometer

RODENSTOCK

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.

What are your benefits?

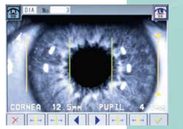
Consistent quality
Long-term experience you can rely on

Intuitive operation
User-friendly application

Time savings
Shortened refraction process

Connectivity
Ready for connection to our Phoromat 2000

Patient-friendly
Comfortable and fast examination



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 measurement 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 measurement 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.

rodenstock-instruments.de

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

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.