

RODENSTOCK Instruments



Making analysis
fashionable

CX 1000

Auto Ref-Keratometer

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optohellas[®]
OPHTHALMIC EQUIPMENT

The CX 1000: Tune up your business

What are your benefits?



Consistent quality
Measurements
you can rely on



Save time
Get measurements
done quickly



Intuitive operation
User-friendly software
and swivelling monitor



Connectivity
Ready to connect to Phoromat 2000
via WiFi or RS-232 cable



Added value
Enjoy the advantages of
retro illumination mode
and near-vision simulation



“

The CX 1000 adds value to my usual refraction process by combining fast measurements with extra features.

”

Your digital
partner in
consulting.

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Outstanding features



Semi-auto pupil tracking

Reduces measurement time by adjusting the pupil height automatically

TFT-LCD touch screen

The large 7" LCD monitor tilts and swivels for convenient viewing

Wide measurement range

Allows a wider range of values to be measured

Near vision simulation

Determine the need for progressive lenses in advance by short-distance simulation

Mirror of the display

Video out via VGA lets you connect external monitors in 5:3 display ratio

Printer with auto-cutter function

The measurement result can be printed in various forms for convenience



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Specifications

REFRACTOMETRY

Measurement range (spherical)	-30.00 D to +25.00 D (at VD = 12.0 mm)
Measurement range (cylindrical)	0 D to ± 10.00 D (at VD = 12.0 mm)
Display unit	0.12 D/0.25 D
Measurement range (astigmatism axis)	1° to 180°
Display unit	1°
Minimum pupil diameter	$\varnothing$ 2.0 mm

KERATOMETRY

Radius of curvature	5.0 to 13.0 mm
Display unit	0.01 mm
Corneal power	25.96 to 67.50 D (n = 1.3375)
Display unit	0.05/0.12/0.25 D
Corneal astigmatism	0.00 to -15.00 D
Display unit	0.05/0.12/0.25 D
Axis	1 to 180°
Display unit	1°

MAIN UNIT

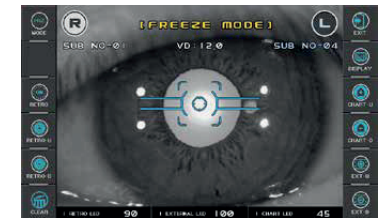
Pupil distance (PD)	10 to 88 mm
Corneal distance	2.0 to 14.0 mm
Display unit	0.1 mm
Working range of auto-tracking	Up and down ± 16 mm
Working range of auto-shooting	Up and down ± 13 mm
Memory of data	10 measured values for each right and left eye
Internal printer	Thermal line printer with auto-cutter function
Monitor	7" TFT LCD monitor (800 x 480 pixels, tiltable/swivel)
Output	RC-232, video out (VGA), USB, WiFi

DIMENSIONS AND ELECTRICAL REQUIREMENTS

Dimensions WDH	260 x 500 x 450 mm
Weight	Approx. 20 kg
Voltage	AC 100 V to 240 V
Frequency	50/60 Hz
Power consumption	40 to 60 VA

Retro illumination

Capture up to 10 pictures of each eye with retro illumination to observe the crystalline lens or contact lens scratches.



Corneal size

Pupil diameter and white to white can be measured easily.

