

**RODENSTOCK** Instruments



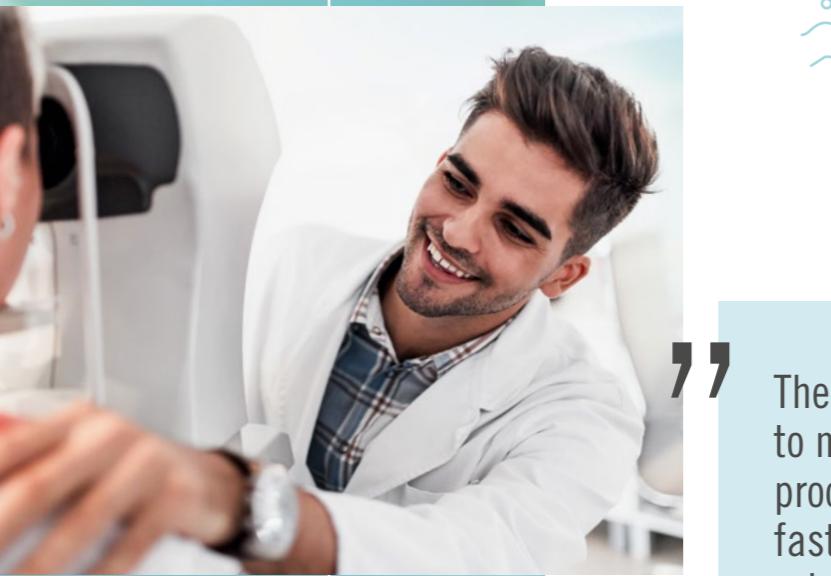
Making analysis  
fashionable

**CX 1000**

Auto Ref-Keratometer

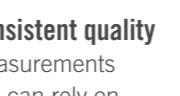
**R** RODENSTOCK

# The CX 1000: Tune up your business

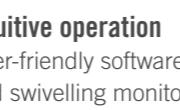


“ The CX 1000 adds value to my usual refraction process by combining fast measurements with extra features.

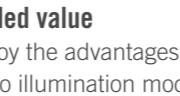
## What are your benefits?



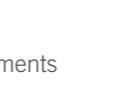
**Consistent quality**  
Measurements you can rely on



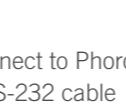
**Intuitive operation**  
User-friendly software and swivelling monitor



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



**Save time**  
Get measurements done quickly



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

## 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

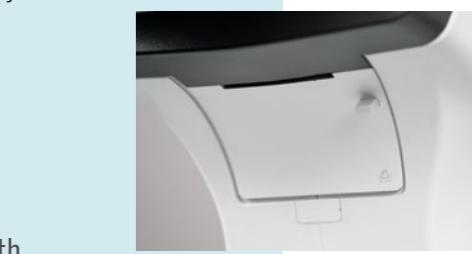
Determine the need for progressive lenses in advance by short-distance simulation

### 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



# Specifications

## REFRACTOMETRY

Measurement range (spherical)	-30.00 D to +25.00 D (at VD = 12.0 mm)
Measurement range (cylindrical)	0 D to $\pm 10.00$ 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	Ø 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

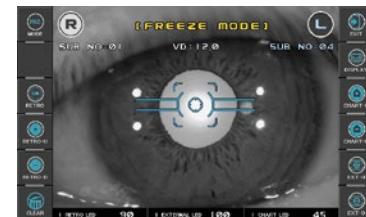
Pupil distance (PD)	10 to 88 mm
Corneal distance	2.0 to 14.0 mm
Display unit	0.1 mm
Working range of auto-tracking	Up and down $\pm$ 16 mm
Working range of auto-shooting	Up and down $\pm$ 13 mm
Memory of data	10 measured values for each right and left eye
Internal printer	Thermal line printer with auto-cutter 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

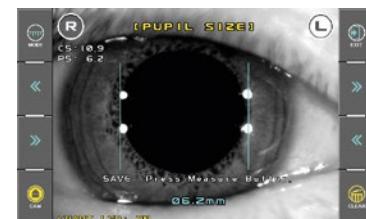
## Retro illumination

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.



## RODENSTOCK Instruments

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RODENSTOCK Instruments is a business unit of TOMEY GmbH

