

TOPO-REF-KERATOMETER
CXT 3000

PLUG & TOUCH BY RODENSTOCK

Multifunctional. Compact.
Totally electronic-controlled.



- 4 systems – 1 instrument
- Auto alignment + auto measurement
- Tear stability analysis system (TSAS)
- Colour touch screen
- Different topography maps
- Pupil + cornea \varnothing measurement

QUALITY IN DETAIL



A unique combination of Topography, Autorefractometry and TSAS (tear stability analysis system) in one – multi-diagnostic replaces four devices with all their functions. The compactness of this instrument is its strength. It is therefore a perfect space and cost saving solution for you. Highly accurate measurements combined with the short examination time and easy handling makes working with the **CXT 3000** professional and quick.

Easy handling

The handling of the **CXT 3000** is very easy – alignment and measurement are done automatically. You just roughly align the system towards the clients eye and the rest is taken care of the instrument. The 6.4 inch coloured touch screen is very comfortable – it is used as operating monitor as well as for displaying all measured values. You can even move the unit in all directions by simply touching the screen.

Tear stability analysis system (TSAS)

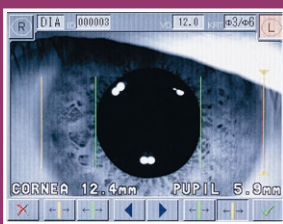
TSA system for analysing the tear film stability by using the light cone system in the **CXT 3000**. That offers you several analysing functions to detect clients with dry eye indication.

Pupil + cornea Ø measurement

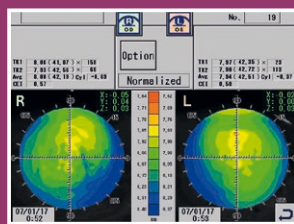
Once you have captured your clients eye you can set the pupil and cornea measurement bars to measure the individual diameter.

Topography indices KRI + KAI

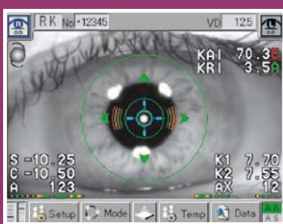
For immediate understanding of the cornea topographic structure we have implemented the topographic indices KAI (Kerato-Asymmetry Index) and KRI (Kerato-Regularity Index). These values are highlighted in colour (green = normal, yellow = suspect, red = abnormal) to provide you a quick information about the corneal structure behaviour.



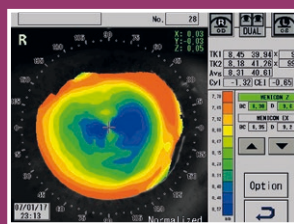
Pupil & cornea Ø measurement



Dual map



Auto alignment auto measurement



Normalised map

SPECIFICATIONS

Refractive power measurement

Spherical refractive power (S)

Measurement range -25.00 D to +22.00 D (at VD = 12.0 mm)

Display unit 0.01 D, 0.12 D, 0.25 D

Cylindrical refractive power (C)

Measurement range 0 D to ±10.00 D (at VD = 12.0 mm)

Display unit 0.01 D, 0.12 D, 0.25 D

Astigmatism axial (A)

Measurement range 0° to 180°

Display unit 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)

Display unit 0.01 mm

Corneal astigmatism and axis (C, A)

Measurement range (C)..... 0 D to 10 D (n=1.3375)

Measurement range (A)..... 0° to 180°

Measurement area cornea..... Ø 3.0 mm (at 8.00 mm corneal curvature)

Corneal shape measurement

Measurement area (at 8.00 mm corneal curvature)

Normal measurement mode... Ø 1.0 mm to 8.0 mm

Special measurement mode... Ø 0.9 mm to 7.0 mm

Display range..... 9 D to 100 D

PD range 50 mm to 86 mm

Minimum pupil diameter Ø 2.2 mm

Vertex distance..... 0 mm - 16.0 mm

Main unit

Built-in printer Thermal printer

Output External printer / LAN / USB

Display..... 6.4" colour LCD

Chin rest..... Electr. controlled

Dimensions & electric requirements

Dimensions WDH 307 x 490 x 466 mm

Weight Approx. 20.0 kg

Voltage..... 100 VAC to 240 VAC

Frequency..... 50/60 Hz

Power consumption 120 VA to 150 VA

DIMENSIONS



~20 kg

