**Corneal Topography**

*Auto Alignment / Auto Shot*

Anyone can easily accomplish measurements with Auto Alignment and Auto Shot.

The measurement result is significantly reduced on matter what the skill level is of the operator.

**Various Color Maps**

Abnormal and Normalized color maps can be viewed.

- Absolute Map
- Normalized Map

**Cl. Fitting Simulation**

A pseudo-anatomical pattern of the cornea is detected from the back-less how can be confirmed, and the fitting can be estimated how the patient must do the Trial Lens.

**Corneal Eccentricity Index for “Ortho-K Lens” (CEI)**

The index of CEI(Corneal Eccentricity Index) indicates the ratio of flattening in percentage from the central cornea to the periphery.

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**RT-7000 SPECIFICATIONS**

- **Measurement Ranges**
  - Refraction Measurement: Sphere, Cylinder, Axis
  - Corneal Curvature Measurement: 9.00mm to 10.00mm
  - Corneal Map Range: 0.00mm to 12.00mm

- **Measurement Time**
  - REF: 0.2 seconds
  - KRT: 0.1 second

- **Minimum Pupil Diameter**
  - REF: 2.2mm
  - Special Mode: 0.5 to 3.0mm

- **Recording Distance**
  - REF: 150mm to 1200mm

- **Exterior Output**
  - LAN port / 4USB ports

- **Dimensions**
  - 466mm or 18 inches

- **Weight**
  - Approx. 20.00kg (44.4lbs)

- **Power Supply**
  - AC 100 to 240V

- **Temperature**
  - +10°C to +40°C

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Three Functions in One Instrument

One vision, Two sharp eyes with Our Innovation

RT-7000 Auto Ref-Topographer

Three Functions in One Instrument

Refractometry, Keratometry and Topography only in one Auto Refractor and Children can also get the inspection without any trouble because they don't have to move the neck for these measurements.

Unique KeratoVision Mode to correct Keratometry with only RT-7000. Easy to use system with only one button for the measuring mode and the KeratoVision to be implemented on the Topographer.

Easy & Speedy Touch Screen Alignment

The Touch Alignment of the RT-7000 works when eye centric with the center of the vision by simply blinking the eye slightly on the screen. The Auto Alignment and Auto Blue functions then start automatically immediately.

6.4 inch Color TFT LCD

The 6.4-inch color TFT LCD can be used for any graphic, eye, screen, right and left of the display, is easy to measure, while either sitting or standing.

One vision, Two sharp eyes with Our Innovation

RT-7000 Auto Ref-Topographer

Three Functions in One Instrument

Refractometry

Dual CCD technology for Refractometry

The two CCD cameras are used to capture images of the cornea and lens for measurement while providing highly accurate measurement.

The viewing angle of the fixation target is vital to help patients relax during fixation to ensure stabilization.

Keratometry

New Indices for Keratometry: KAI, KRI

The Corneal Integument Analysis display function is enabled to expand the possibility of Keratometry. This is the new function to increase the level of Corneal Integument Analysis, which was difficult in the past.

The indices of KAI and KRI that show the Corneal Integument Analysis are displayed with the three lines(A, B, C) of Keratometry.

KAI

KAI (Keratometric Axis Index) reflects the location of the corneal tissue to the optical axis of the eye. The axis becomes larger when the corneal tissue has asymmetry.

KRI

KRI (Keratometric Relationship Index) reflects the ratio of the corneal tissue to the optical axis of the eye. The axis becomes larger when the corneal tissue is asymmetrical.

Diameter Measurement of Cornea and Pupil

The measurement can be done easily by moving the two centers on the display to the boundary of Cornea or Pupil. This is useful for checking the diameter of a certain area.

Case 1: Keratoconus Cornea

RT-7000

KAI/KRI

KAI 123.25

KRI 4.1A

Case 1: After Keratoplasty

RT-7000

KAI/KRI

KAI 2.3A

KRI 6.0C

TMS Fourier analysis

Map 1

Map 2