

# KR-800PA

Auto Kerato-Refractometer



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## Enhanced Auto Kerato-Refractometer

offering quick and stable measurements and informative corneal color mapping



### Quick and stable

- Stable and efficient examination
- **Patented Rotary Prism technology** ensures stable, repeatable measurements



### Corneal Shape Information

- **Informative** corneal color mapping



### Efficient Examination

- Semi-automatic alignment with **automated capture**
- Color mapping data can be acquired simultaneously with the refractive data **in one capture**



### Patient Friendly

- Invisible infrared light

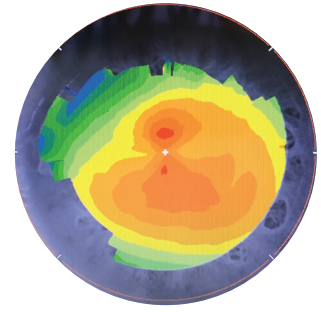


### Space Saving

- 3 in 1 (REF/KRT/Corneal Mapping)
- Compact design

## Informative

**The Corneal Color Mapping** is easily acquired together with exam data from the Refractometer/Keratometer. There is no need for an additional acquisition to obtain corneal color mapping data. The KR-800PA can improve your examination workflow and function as a screening device, providing additional information to help you customize patient care.



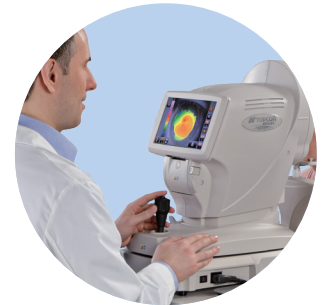
## Patient Friendly

**The Infrared Light**, used by the KR-800PA for color mapping examination, measures without the use of visible light. There is no bright light source to cause discomfort or pupil constriction during the examination.



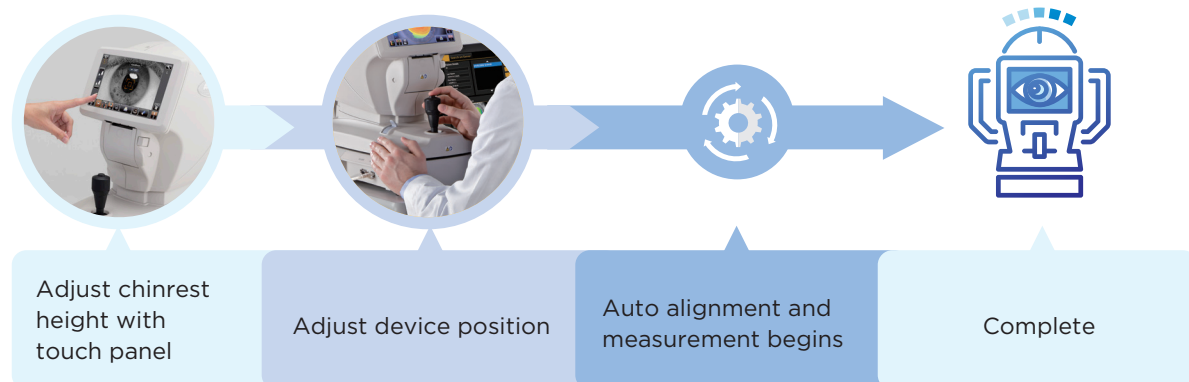
## Space Saving

**The 3 in 1 feature of the KR-800PA** and compact design contributes to additional space savings for your practice. **Combination REF/KRT and Corneal Color Mapping** optimizes clinic workflow.



## Ease of Use

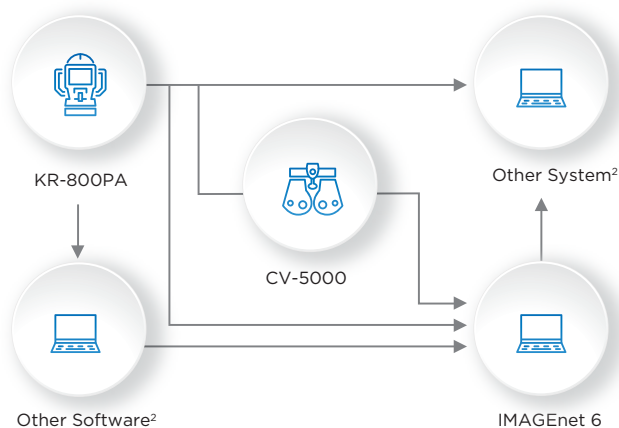
**The 3D Auto Alignment** feature maintains XYZ alignment even during small eye movements, providing consistent and repeatable measurements. The operator follows the alignment guidance on the monitor for initial alignment, and then automatic alignment and measurement take over. The 3D Auto Alignment function supports easy operation and delegation.



# Specifications

|                                      |                                     |                                                                                  |
|--------------------------------------|-------------------------------------|----------------------------------------------------------------------------------|
| <b>Refractive Power Measurement</b>  | Spherical refractive power          | -25D to +22D (0.12D/0.25D steps) <sup>1</sup>                                    |
|                                      | Cylindrical refractive power        | 0D to ±10D (0.12D/0.25D steps) <sup>1</sup>                                      |
|                                      | Astigmatic axial angle              | 1° to 180° (in 1° or 5° steps)                                                   |
|                                      | Minimal measurable pupil diameter   | φ2 mm                                                                            |
| <b>Corneal Curvature Measurement</b> | Corneal curvature radius            | 5.00 to 10.00mm (0.01mm steps)                                                   |
|                                      | Corneal refractive power            | 67.50D to 33.75D (0.12D/0.25D steps)<br>(where corneal refractive power =1.3375) |
|                                      | Corneal astigmatic refractive power | 0D to ±10D (0.12D/0.25 D steps)                                                  |
|                                      | Corneal astigmatic axial angles     | 1° to 180° ( 1°/ 5° steps)                                                       |
| <b>PD Measurement Range</b>          |                                     | 20mm to 85mm (0.5mm steps)                                                       |
| <b>Data Transport Terminal</b>       |                                     | USB (Import) /RS-232C (Import/Export) / LAN (Export)                             |
| <b>Dimensions</b>                    |                                     | 321-340mm (W) x 523-539mm (D) x 490-520 mm (H)                                   |
| <b>Weight</b>                        |                                     | 19 kg                                                                            |
| <b>Power Supply</b>                  |                                     | 100-240V AC, 50-60Hz, 55-90VA                                                    |

1. -25D ≤ spherical refractive power + cylindrical refractive power or spherical refractive power + cylindrical refractive power ≤ +22D



2. Please ask your dealer or distributor for details and availability of other systems and software.  
Connection with other software and other systems is not certified by Topcon.



\* Subject to change in design and/or specifications without advanced notice.

**IMPORTANT**

In order to obtain the best results with this instrument, please be sure to review all user instructions prior to operation.



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