

## Quicker measurement with 3D auto alignment function

### 3D auto alignment function maintains proper alignment with the patient

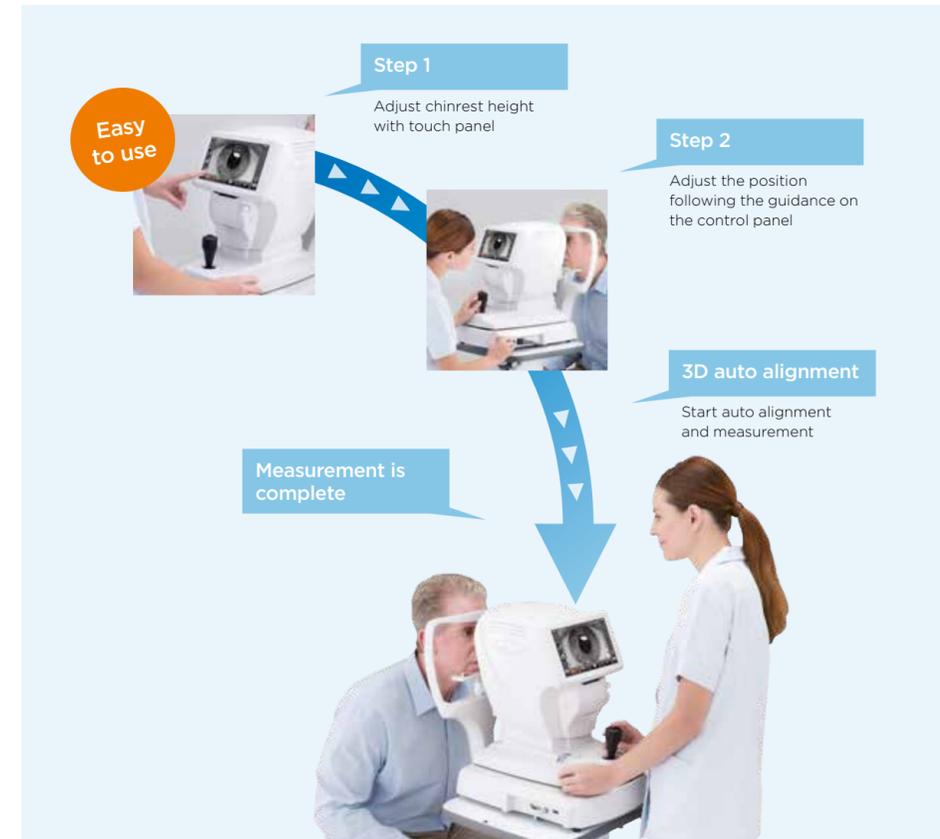
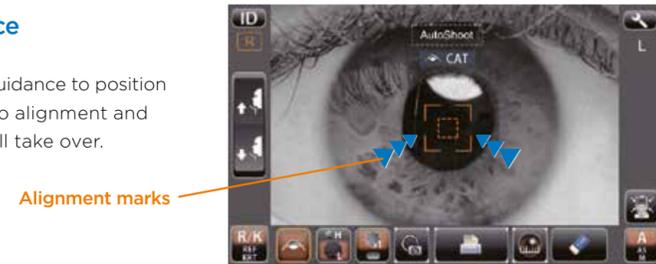
3D auto alignment feature maintains XYZ alignment even during small eye movements, providing consistent and repeatable measurements.\* An operator follows the alignment guidance on the monitor for initial alignment,

and then alignment and measurement starts automatically. 3D auto alignment function supports easy operation.

\* Manual alignment may be required for patients with poor fixation.

### Easy to follow guidance

Follow the initial alignment guidance to position the instrument, then the auto alignment and the measurement feature will take over.



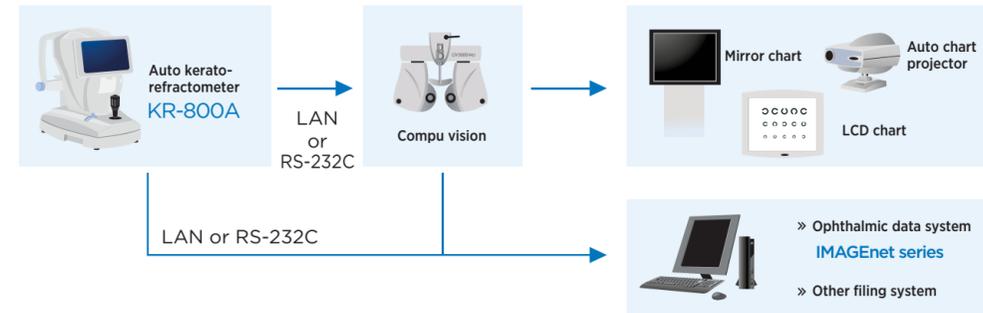
### Specifications

### KR-800A

<b>Refractive power measurement</b>	Spherical refractive power	-25D to +22D (0.12D/0.25D steps)*
	Cylindrical refractive power	OD to ±10D (0.12D/0.25D steps)*
	Astigmatic axial angle	0° to 180° (in 1° or 5° steps)
	Minimal measurable pupil diameter	ø2 mm
<b>Corneal curvature measurement</b>	Corneal curvature radius	5.00 to 10.00mm (0.01mm step)
	Corneal refractive power	67.50D to 33.75D (0.12D/0.25D steps) (where, corneal refractive power = 1.3375)
	Corneal astigmatic refractive power	OD to ±10D (0.12D/0.25 D steps)
	Corneal astigmatic axial angle	0° to 180° (1°/ 5° steps)
<b>PD measurement range</b>		20mm to 85mm (0.5mm step)
<b>Data transport terminal</b>		USB (Import) / RS-232C (Export) / LAN (Export)
<b>Dimensions</b>		317-341mm (W) × 521-538mm (D) × 447-477 mm (H)
<b>Weight</b>		15 kg
<b>Power supply</b>		100-240V AC, 50-60Hz, 30-65VA

\* ±25D : spherical refractive power + cylindrical refractive power or spherical refractive power + cylindrical refractive power ≤ ±22D

### System chart



**IMPORTANT** Subject to change in design and/or specifications without advanced notice. 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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# Auto Kerato-Refractometer

## KR-800A



PERFORMANCE  
YOU CAN COUNT ON



# Workflow efficiency with the 3D auto alignment

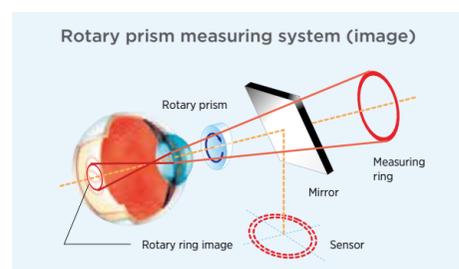
## More efficient operation and workflow

Topcon has significant experience in designing and producing high quality kerato refractometers and tonometers. For a greater customer experience, we are proud to introduce the KR-800A with 3D auto alignment function. KR-800A offers enhanced efficiency and easier operation to improve day to day examination of work flow in a practice.

### KR-800A

Auto Kerato-Refractometer

- 3D Auto Alignment function allows quicker and easier measurement
- Smooth operation
- 8.5 inch wide touchscreen control panel
- Compact designed body
- Easy set-up with a LAN network



### Unparalleled accuracy

The unique\* Rotary prism technology, exclusive to Topcon, allows for unparalleled precision and reliability. This system measures a wider area of the retina while permitting measurements through pupils as small as 2 mm in diameter.

\*The off-centered ring target can cover areas that may be occluded by a small pupil. The angle of the prism enables a wider area of the retina to be measured.

### Wide 8.5 inch touchscreen control panel

The KR-800A is equipped with a wide 8.5 inch color touchscreen panel featuring clear, easy to read icons allowing the operator full control of the unit from a single screen during the measuring process.



#### Easy adjustment of touchscreen controlled chinrest

Up/down adjustment of chin-rest is easily operated with the icons on the touchscreen's control panel.

#### Accommodation prevention

To prevent accommodation with especially young children, a feature which will "fog" the fixation target can be adjusted through the touchscreen. Fogging can be set to ones in order to safe measurement time or set to multiple, repeatedly after each measurement in order to prevent accommodation.

#### Cataract mode

The cataract mode supports improved success rate to measure eyes with cataracts.

#### Alignment mode

##### "A" (Semi auto mode)

Once pupil is roughly aligned, fine focus and measurement are performed automatically.

##### "AS" (Auto shoot mode)

Once the manual alignment is complete the measurement is taken automatically.

##### "M" (Manual mode)

All processes are performed manually.



### One touch lock

The one touch lock supports a quick switch to lock the body.



### Easy to load printer

The KR-800A is equipped with a built-in thermal printer that can be easily loaded with a paper roll.

### Print data sample

- 1 Operation ID
- 2 Refraction measurement data (right eye)
- 3 Refraction measurement data (left eye)
- 4 Keratometry measurement data (right eye)
- 5 Keratometry measurement data (left eye)

1	OID NAME	2013_01_20 AM 10:37
	SN	: 0987000 NO. 0018
	REF. DATA	
	VD	: 12.00 CYL: (-)
2	(R)	S C A
	- 0.50 - 1.25 79	
	- 0.50 - 1.25 78	
	- 0.50 - 1.25 78	
	S.E. - 1.00	
3	(L)	S C A
	- 1.50 - 0.50 133	
	- 1.50 - 0.50 133	
	- 1.50 - 0.50 133	
	S.E. - 1.75	
	PD: 67.5	
	KRT DATA	
4	(R)	D MM A
	H 42.50 7.96 176	
	V 42.00 8.01 86	
	AVE 42.25 7.99	
	CYL: -0.50 86	
5	(L)	D MM A
	H 42.25 8.00 169	
	V 42.75 7.89 79	
	AVE 42.50 7.95	
	CYL: -0.50 169	
	TOPCON	

