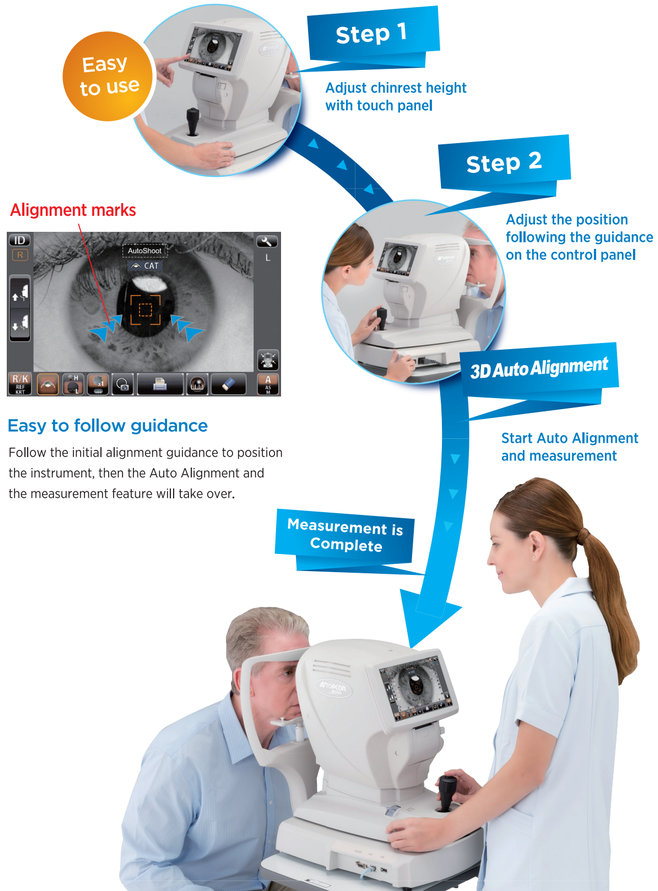
Quicker measurement with
3D Auto Alignment Function

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 control panel for initial alignment, and then alignment and measurement start automatically. 3D Auto Alignment function supports easy operation.

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



Easy to follow guidance

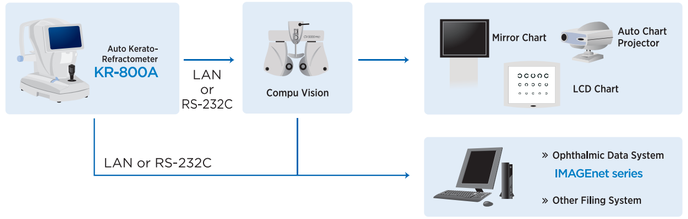
Follow the initial alignment guidance to position the instrument, then the Auto Alignment and the measurement feature will take over.

Specifications

		KR-800A
Refractive Power Measurement	Spherical refractive power	-25D to +22D (0.12D/0.25D steps) ※
	Cylindrical refractive power	0D to ±10D (0.12D/0.25D steps) ※
	Astigmatic axial angle	0°to 180° (in 1°or 5°steps)
	Minimal measurable pupil diameter	φ2 mm
Corneal Curvature Measurement	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	0D to ±10D (0.12D/0.25 D steps)
	Corneal astigmatic axial angle	0°to 180° (1°/ 5°steps)
PD Measurement Range		20mm to 85mm (0.5mm step)
Data Transport Terminal		USB (import) /RS-232C (Export) / LAN (Export)
Dimensions		317-341mm (W) × 521-538mm (D) × 447-477 mm (H)
Weight		15 kg
Power Supply		100-240V AC, 50-60Hz, 30-65VA

※-25D ≦ spherical refractive power + cylindrical refractive power or spherical refractive power + cylindrical refractive power ≦ +22D

System Chart



CE 0123

* Not available for sale in the United States.
* Not available in all countries, please check with your distributor for availability in your country
* 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.

TÜV SÜD ISO 13485 TOPCON CORPORATION

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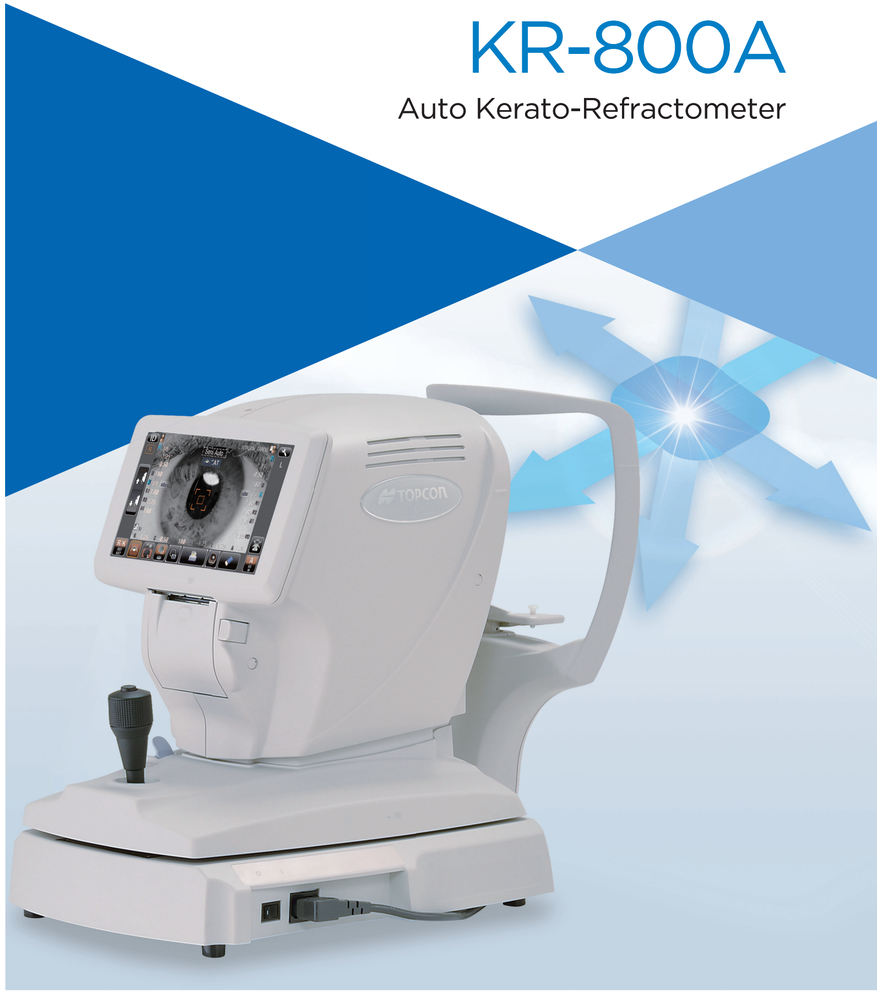
KR-800A

Auto Kerato-Refractometer



TOPCON YOUR VISION. OUR FOCUS.

Workflow Efficiency with the 3D Auto Alignment

More efficient operation and workflow

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

KR-800A

Auto Kerato-Refractometer

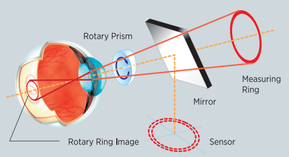
- 3D Auto Alignment function allows quicker and easier measurement
- Smooth operation
- 8.5 inch wide touchscreen control panel
- Compact designed body
- Easy set-up with a LAN network

Unparalleled Accuracy

The unique* Rotary Prism Technology, exclusive to TOPCON, allows 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.

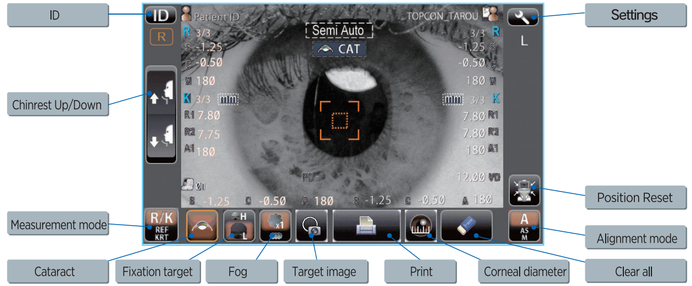
*The off-centered ring target can cover areas that may be occluded by a small pupil. The angle of the prism enables a wider area of the retina to be measured.

Rotary Prism Measuring System (Image)



8.5 inch Wide 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 control of Chinrest

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

Fog

To control accommodate, the fog may be adjusted from the screen. This is very helpful for use with young children.

Cataract mode

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

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.

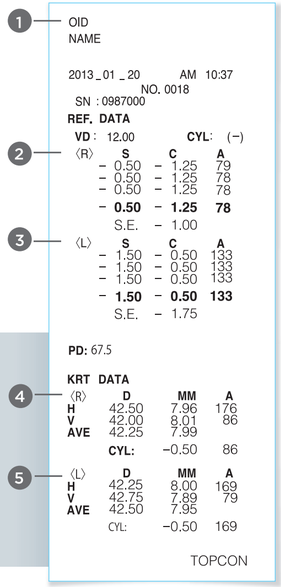
One Touch Lock

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 roll of paper.

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)