

KR-800A

Auto Kerato-Refractometer



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.



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

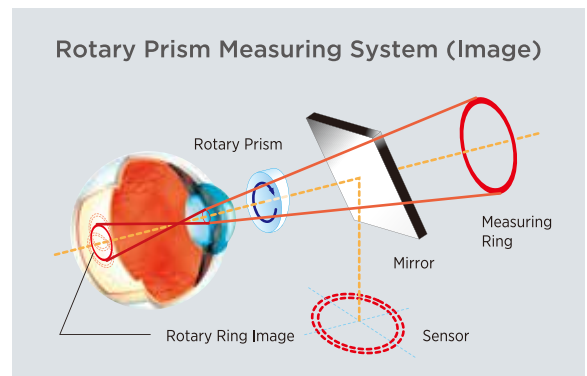
- » 3D Auto Alignment function allows quicker and easier measurement
- » Smooth operation
- » 8.5 inch wide touchscreen control panel
- » Compact designed body
- » Easy set-up with a LAN network



Unparalleled Accuracy

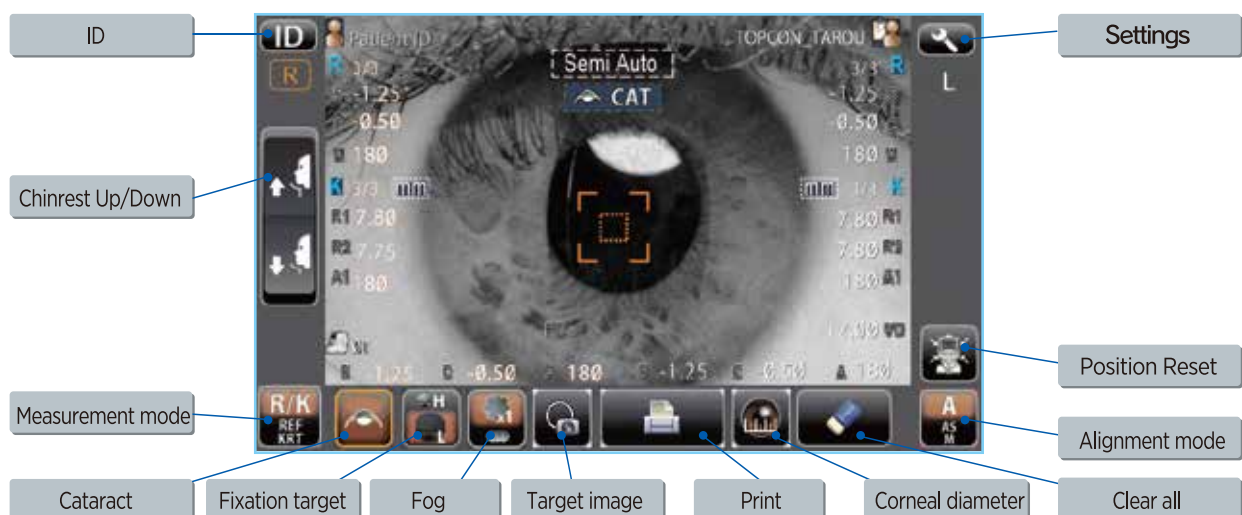
The unique* Rotary Prism Technology, exclusive to TOPCON, allows unparalleled precision and reliability. This system measures a wider area of the retina while permitting measurements through pupils as small as 2 mm in diameter.

*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.



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.



- 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)

Print Data Sample

1	OID NAME 2013_01_20 AM 10:37 NO. 0018 SN : 0987000
2	REF. DATA VD : 12.00 CYL: (-) <R> S C A - 0.50 - 1.25 79 - 0.50 - 1.25 78 - 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 - 1.50 - 0.50 133 S.E. - 1.75
	PD: 67.5
4	KRT DATA <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



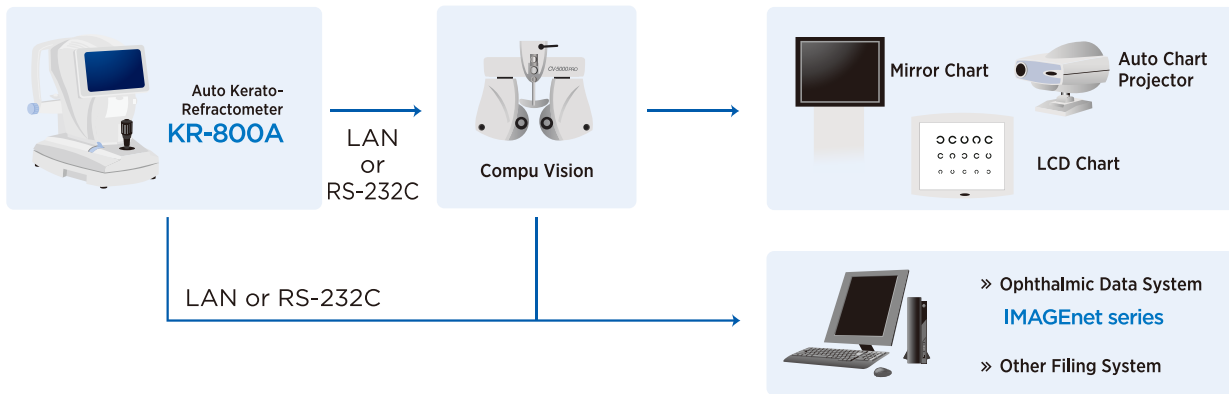
Specifications

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



IMPORTANT In order to obtain the best results with this instrument, please be sure to review all user instructions prior to operation. Not all products, services, or offers are available in all markets. Contact your local distributor for country-specific information and availability.

TOPCON INSTRUMENTS (MALAYSIA) SDN. BHD.
 (Regional Office for Topcon Healthcare Southeast Asia)
 Unit 2, 4, Jalan Pensyarah U1/28, Hicom-glenmarie Industrial Park,
 40150 Shah Alam, Selangor, MALAYSIA
 Phone: +603-766 16260 Fax: +603-766 16261
 Email: mys_tim_marketing_sm@topcon.com
 www.topconhealthcare.my

TOPCON SINGAPORE MEDICAL PTE. LTD.
 100G Pasir Panjang Road, #02-18, Interlocal Centre,
 SINGAPORE 118523
 Phone: +65-68720606 Fax: +65-67736150
 E-mail: med.sales.sg@topcon.com
 www.topconhealthcare.sg

TOPCON INSTRUMENTS (THAILAND) CO., LTD.
 77/162 Sinnsathorn Tower, 37th Floor, Krungthoburi Rd.,
 Klongtongnai, Klongsarn, Bangkok 10600, THAILAND
 Phone : +66-02-440-1152 Fax : +66-02-440-1158
 Email : tha_medical@topcon.com
 www.eyecare.topcon.co.th

MEHRA EYETECH PRIVATE LIMITED
 801 B Wing, Lotus Corporate Park, Graham Firth Steel Compound
 Goregaon (East) Mumbai 400063 Maharashtra, INDIA
 Phone: +91-22-61285455
 E-mail: sales@mehraeyetech.in
 www.topconhealthcare.in

TOPCON (BEIJING) MEDICAL TECHNOLOGY CO., LTD.
 Room 2808, Tower C, JinChangAn Building, No.82, Middle Section of
 East 4th Ring Road, Chaoyang District, Beijing 100124, P.R. CHINA
 Phone: +86-10-8794-5176
 E-mail: cn_marketing@topcon.com
 www.topcon-china.net/

TOPCON KOREA MEDICAL CO., LTD.
 2F YK Building, 205, Dogok-ro, Gangnam-gu,
 Seoul, Republic of Korea
 Phone : +82-2-6959-7947
 E-mail:tkm@topcon.com
 www.topconhealthcare.kr/



TOPCON CORPORATION
 75-1 Hasunuma-cho, Itabashi-ku, Tokyo 174-8580, JAPAN.
 Phone: +81-(0)3-3558-2522/2502
 Fax: +81-(0)3-3965-6898
 www.topconhealthcare.jp

