

KR-800/RM-800

Auto Kerato-Refractometer / Auto Refractometer



PERFORMANCE
YOU CAN COUNT ON



KR-800 / RM-800

Premium Value Based Upon 60 Years' Experience

Topcon is proud to introduce the new KR-800 & RM-800 Auto Kerato/Refractometers both of which incorporate the very latest in design technology & ergonomics. The units features a bright, new 8.5 inch color touchscreen panel to control the main functions and an improved joystick operation due to a 23% reduction in weight from the previous models. Topcon systems have been renowned for their accuracy due to the proven Rotary Prism Technology. These new units feature this technology as well, so you take confidence, that accurate and stable measurements will be the norm.

With over 60 years' experience, Topcon is always striving to deliver the very best in terms of instrumentation which always reflects the best in design, functionality & accuracy, allowing our customers to have confidence in their investment.

Features

- » Topcon's Rotary Prism Technology for Unparalleled Accuracy
- » Simple to Use
- » Compact and Modern Design
- » 8.5-inch LCD Touchscreen Panel
- » Connectable LAN



Simple to Use

Wide 8.5-inch Touchscreen Control Panel

The new KR-800/RM-800 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 during the measuring process.



Smooth Movements

Topcon's ability to engineer a weight reduction of approximately 23% has contributed to a smoother operation of the unit when using the X-Y control lever. This all contributes to a more fluid measuring process and a more accurate end result.



One Touch Lock

Both new instruments are fitted with a quick and easy to use lock.



Easy Load Printer

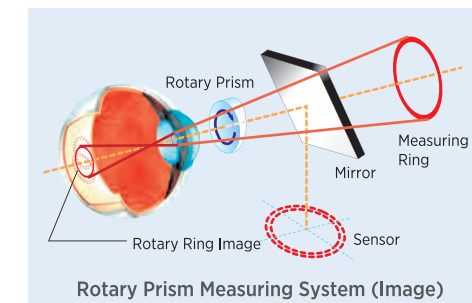
The printer on the new units saves you time by eliminating the need to load new printer rolls. You simply drop the new roll in and print.

Unique Technology & Networking Ability

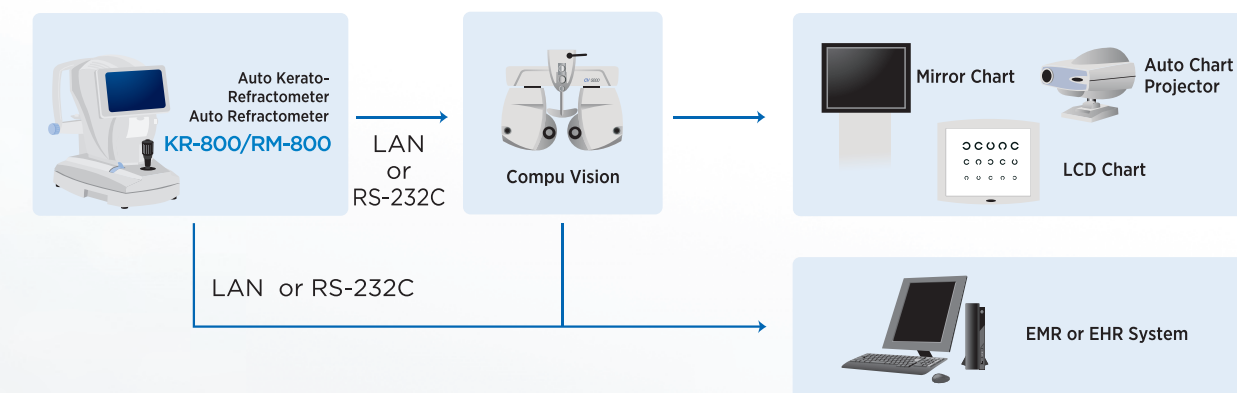
Unparalleled Accuracy

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



System Chart



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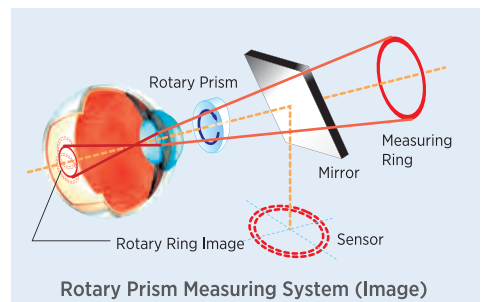


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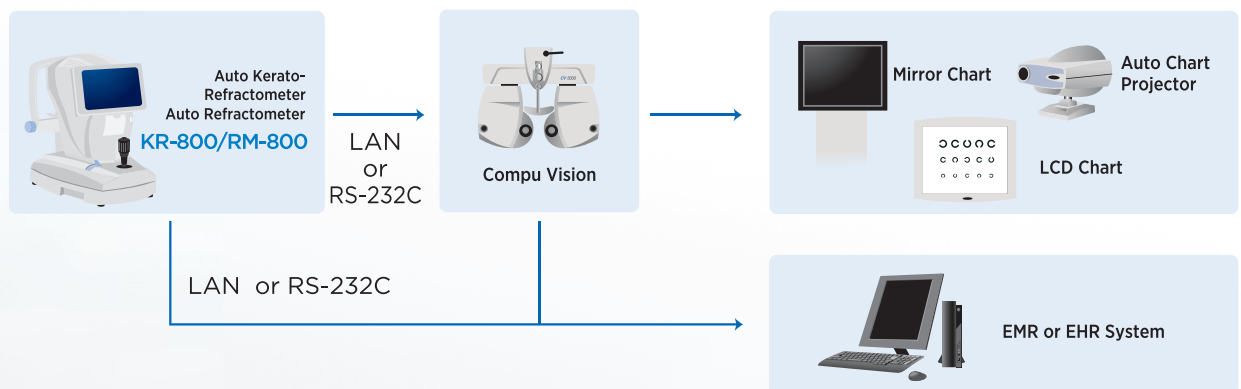
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Specifications

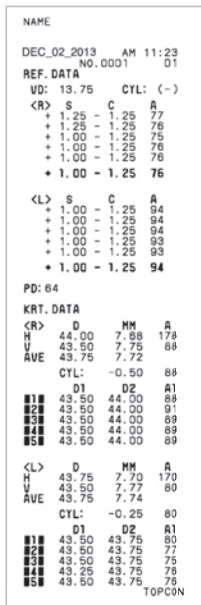
KR-800

RM-800

Refractive Power Measurement	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	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	OD 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, 30-70VA	

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

Printed Data



A complete printout of the acquired data is available at the touch of a button. The operator can choose among three print data formats:

- 1. ALL:** Prints out all measurements (up to 10 readings per eye);
- 2. AVE:** Prints out an averaged value for all measurements;
- 3. CLASSIC:** Outputs data of all (up to 10) measurements for both eyes and the results of 1 measurement and the average measured value of horizontal and vertical corneal curvature for both eyes.

The general addition and estimated near PD value can be printed out.



*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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75-1 Hasunuma-cho, Itabashi-ku, Tokyo 174-8580, Japan. Phone:3-3558-2523/2522 Fax:3-3965-6898 www.topcon.co.jp

TOPCON MEDICAL SYSTEMS, INC.

111 Bauer Drive, Oakland, NJ 07436, U.S.A.
Phone:+1-201-599-5100 Fax:+1-201-599-5250 www.topconmedical.com

TOPCON MEDICAL LASER SYSTEMS, INC.

3130 Coronado Drive Santa Clara, California 95054 USA
Phone:+1-408-235-8200 Phone:(USA only)+1-888-760-8657
Fax:+1-408-235-8259 Email: tmlsinfo@topcon.com

TOPCON CANADA INC.

110 Provencher Avenue, Boisbriand, QC J7G 1N1 CANADA
Phone:+1-450-430-7771 Fax:+1-450-430-6457 www.topcon.ca

TOPCON EUROPE MEDICAL B.V.

Essebaan 11, 2908 LJ Capelle a/d IJssel, THE NETHERLANDS
2900 AC Capelle a/d IJssel, THE NETHERLANDS
Phone:+31-(0)10-4585077 Fax:+31-(0)10-4585045
E-mail: medical@topcon.nl; www.topcon.eu

ITALY OFFICE

Viale dell'Industria 60, 20037 Paderno Dugnano, (Milano), ITALY
Phone:+39-02-9186671 Fax:+39-02-91081091 E-mail: topconitaly@tiscalit; www.topcon.it

DANMARK OFFICE

Præstemarkvej 25, 4000 Roskilde, DANMARK
Phone:+45-45-327500 Fax:+45-46-327555
E-mail: topcon@topcondanmark.dk www.topcondanmark.dk

IRELAND OFFICE

Unit 276, Blanchardstown, Corporate Park 2 Ballycoolin Dublin 15, IRELAND
Phone:+353-18978900 Fax:+353-18293915 E-mail: medical@topcon.ie; www.topcon.ie

TOPCON S.A.R.L.

BAT A1 3 route de la révolte 93206 SAINT DENIS CEDEX
Tel: +33 1 49 21 23 23 Fax: +33 1 49 21 23 24 E-mail: topcon@topcon.fr; www.topcon.fr

TOPCON DEUTSCHLAND G.m.b.H.

Hanns-Martin-Schleyer Strasse 41, D-47877 Willich, GERMANY
Phone:+49-(0)2154-8850 Fax:+49-(0)2154-885177 E-mail: med@topcon.de; www.topcon.de

TOPCON SCANDINAVIA A.B.

Neogatan 2, P.O.Box 25, 43151 Mölndal, SWEDEN
Phone:+46-(0)31-7109200 Fax:+46-(0)31-7109249 E-mail: medical@topcon.se; www.topcon.se

TOPCON ESPAÑA S.A.

HEAD OFFICE
Frederic Mompou 4 Esc. A Bajos 3, 08960 Sant Just Desvern Barcelona, SPAIN
Phone:+34-93-4734057 Fax:+34-93-4733932 E-mail: medica@topcon.es; www.topcon.es

TOPCON (GREAT BRITAIN) LTD.

Topcon House, Kennet Side, Bone Lane, Newbury, Berkshire RG14 5PX United Kingdom
Phone:+44-(0)1355-551120 Fax:+44-(0)1355-551170 E-mail: medical@topcon.co.uk; www.topcon.co.uk

TOPCON POLSKA Sp. z o. o.

ul. Warszawska 23, 42-470 Siewierz, POLAND
Phone:+48-(0)32-6705045 Fax:+48-(0)32-6713405 www.topcon-polska.pl

TOPCON SINGAPORE MEDICAL PTE. LTD.

60 Alexandra Terrace, #08-27 The Comtech, Singapore 118502
Phone:+65-68720606 Fax:+65-67736150 E-mail: medical_sales@topcon.com.sg www.topcon.com.sg

TOPCON INSTRUMENTS (MALAYSIA) SDN.BHD.

No. D1, (Ground Floor), Jalan Excella 2, Off Jalan Ampang Putra,
Taman Ampang Hilir, 55100 Kuala Lumpur, MALAYSIA
Phone:+60-(0)3-42709866 Fax:+60-(0)3-42709766

TOPCON INSTRUMENTS (THAILAND) CO.,LTD.

777162 Simsalathorn Tower, 37th Floor, Krungthoburi Rd., Klongtonnai,
Klongsam, Bangkok 10600, THAILAND
Phone:+66(0)2-440-1152-7 Fax:+66(0)2-440-1158

TOPCON CORPORATION BEIJING OFFICE

Block No.3, Kangding Street Beijing Economic-Technological Development Area,
Beijing, 100176, CHINA
Phone:+86-(0)10-6780-2799 Fax:+86-(0)10-6780-2790

TOPCON CORPORATION SHANGHAI OFFICE

14L Huamin Empire Plaza, No.726, Yan-an Xi Road,
Shanghai, 200050, CHINA
Phone:+86-(0)21-5238-7722 Fax:+86-(0)21-5237-0761

TOPCON CORPORATION BEIRUT OFFICE

P.O.Box 70-1002 Antelias, Beirut, LEBANON
Phone:+961-4-523525/523526 Fax:+961-4-521119

TOPCON CORPORATION DUBAI OFFICE

P.O.Box 293705 Dubai Airport Free Zone L.L.U. J-12, Dubai, U.A.E
Phone:+971-4-299-5900 Fax:+971-4-299-5901

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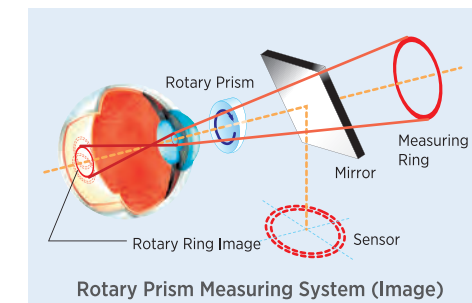
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