

# KR-800/RM-800

Auto Kerato-Refractometer  
Auto Refractometer



# KR-800 / RM-800 Premium value based upon 60 years of experience

## KR-800 & RM-800 Auto Kerato-Refractometers

The KR-800 & RM-800 Auto Kerato-Refractometers incorporate the very latest design technology and ergonomics. The units feature a bright 8.5 inch color touch screen 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 units feature this technology as well, so accurate and stable measurements will be the norm. With over 60 years of experience, Topcon is always striving to deliver the very best in terms of instrumentation which reflects the best in design, functionality & accuracy.

### Features

- | Topcon's Rotary Prism Technology for unparalleled accuracy
- | Simple to use
- | Compact and modern design
- | 8.5 inch LCD touch screen panel
- | Connectable LAN



# Simple to use



## Wide 8.5 inch touch screen control panel

The KR-800/RM-800 is equipped with a wide 8.5 inch color touch screen 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.

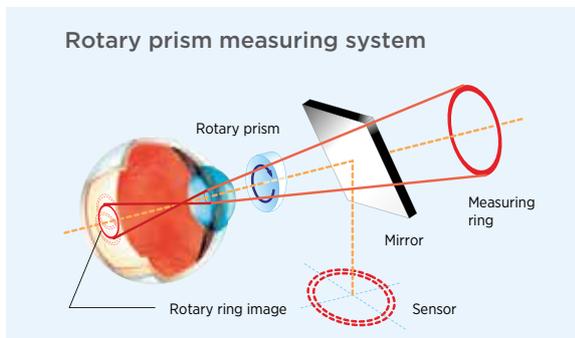


## One touch lock

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

## Easy load printer

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



## Unparalleled accuracy

The unique\* Rotary Prism Technology, exclusively available at 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.

NAME			
DEC.02.2013 AM 11:23			
REF. DATA NO.0001 01			
VD: 13.75 CYL: (-)			
<R> S C A			
+ 1.25 - 1.25 77			
+ 1.25 - 1.25 78			
+ 1.00 - 1.25 75			
+ 1.00 - 1.25 76			
+ 1.00 - 1.25 76			
+ 1.00 - 1.25 76			
<L> S C A			
+ 1.00 - 1.25 84			
+ 1.00 - 1.25 84			
+ 1.00 - 1.25 94			
+ 1.00 - 1.25 93			
+ 1.00 - 1.25 93			
+ 1.00 - 1.25 94			
PD: 64			
KRT. DATA			
<R> D MM A			
H 44.00 7.88 178			
V 43.50 7.75 88			
AVE 43.75 7.72			
CYL: -0.50 88			
D1 D2 A1			
43.50 44.00 88			
43.50 44.00 91			
43.50 44.00 89			
43.50 44.00 89			
43.50 44.00 89			
<L> D MM A			
H 43.75 7.70 170			
V 43.50 7.77 80			
AVE 43.75 7.74			
CYL: -0.25 80			
D1 D2 A1			
43.50 43.75 89			
43.50 43.75 77			
43.50 43.75 75			
43.75 43.75 78			
43.50 43.75 78			
TOPCON			



## Printed data

A complete print out of the acquired data is available at the touch of a button. The operator can choose among three printed 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 one measurement and the average measured value of horizontal and vertical corneal curvature for both eyes.

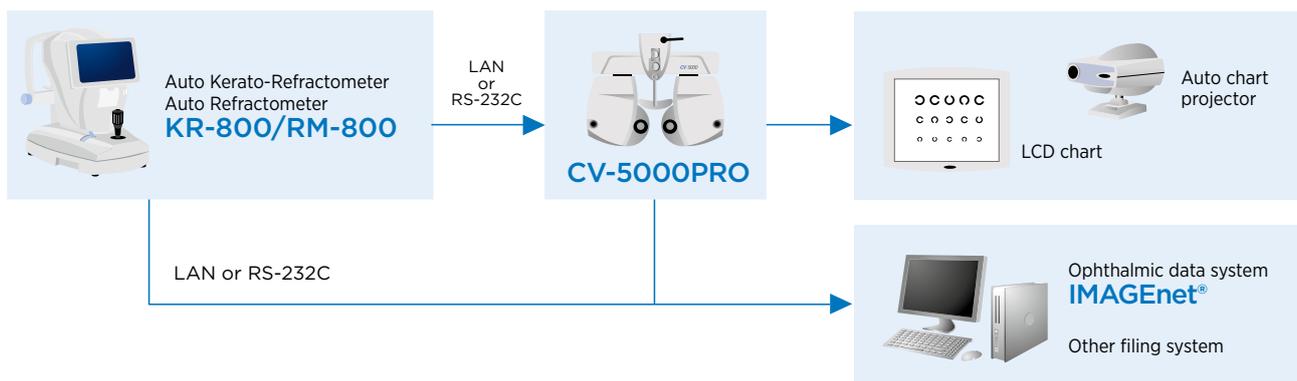
The general addition and estimated near PD value can be printed out.

## Specifications

	KR-800	RM-800
<b>Refractive power measurement</b>	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° (1° / 5° steps)
	Minimal measurable pupil diameter	φ 2 mm
<b>Corneal curvature measurement</b>	Corneal curvature radius	5.00 mm to 10.00 mm (0.01 mm 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/0.25D steps)
	Corneal astigmatic axial angle	0° to 180° (1°/5° steps)
<b>PD measurement range</b>	20 mm to 85 mm (0.5 mm step)	
<b>Data transport terminal</b>	USB (import) / RS-232C (export) / LAN (export)	
<b>Dimensions</b>	317 - 341 mm (W) x 521 - 537 mm (D) x 447 - 477 mm (H)	
<b>Weight</b>	15 kg	
<b>Power supply</b>	100-240V AC, 50-60Hz, 30-70VA	

※-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.  
Medical device Class I. Manufacturer: Topcon Corporation.



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