

KR-800/RM-800

Auto Kerato-Refractometer/Auto Refractometer



Premium value based upon 70 years of experience



The KR-800 Auto Kerato-Refractometer and RM-800 Auto Refractometer incorporate the state-of-the-art design technology and ergonomics. They both feature a bright 8.5 inch color touch screen panel to control the main functions and an improved control lever operation due to a 23% reduction in weight from the previous models. Topcon's auto refractometers have been renowned for the proven Rotary Prism Technology, which provides the stable measurements in daily practice.

Overview



**Auto
Kerato-Refractometer***



**Rotary Prism
Technology**



Easy to use



**8.5 inch wide touchscreen
control panel
LCD**



**Small footprint
Space Saving
Compact and modern design**



**Easy set-up with a
LAN network**

*Only KR-800.

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 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.



One touch lock

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

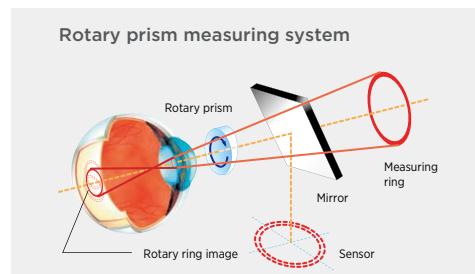
Easy load printer

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.



Topcon's Rotary Prism Measuring System

With Topcon's Rotary Prism Technology, the KR-800/RM-800 provides stable measurement, even for patients with media opacities.



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.

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			
+ 1.00 - 1.25 76			
+ 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 83			
+ 1.00 - 1.25 83			
+ 1.00 - 1.25 84			
PB: 04			
KRT. DATA			
<R> D MM A			
H 44.00 7.68 178			
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 88			
43.50 44.00 89			
<L> D MM A			
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V 43.50 7.77 80			
AVE 43.75 7.74			
CYL: -0.25 80			
D1 D2 A1			
43.50 43.75 80			
43.50 43.75 77			
43.25 43.75 78			
43.50 43.75 78			
TOPCON			



*Compared with the conventional model.

Specifications of

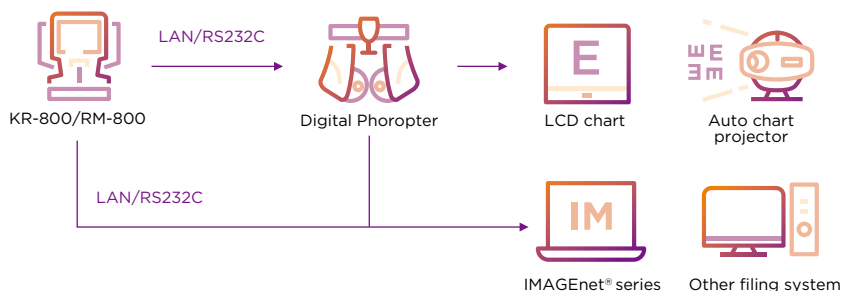
KR-800

RM-800

Refractive Power Measurement	Spherical refractive power:	-25D to +22D (0.12D/0.25D steps)*	-25D to +22D (0.12D/0.25D steps)*
	Cylindrical refractive power:	0D to ±10D (0.12D/0.25D steps)*	0D to ±10D (0.12D/0.25D steps)*
	Astigmatic axis angle:	0° to 180° (1°/ 5°steps)	0° to 180° (1°/ 5°steps)
	Minimal measurable pupil diameter:	φ2 mm	φ2 mm
Corneal Curvature Measurement	Corneal curvature radius:	5.00mm to 10.00 mm (0.01mm step)	
	Corneal refractive power:	67.50D to 33.75D (0.12D/0.25D steps) (keratometric corneal refractive index = 1.3375)	
	Corneal astigmatic axis angle:	0° to 180°(1°/ 5° steps)	
	Corneal astigmatic refractive power:	0D to ±10D (0.12D/0.25D steps)	
PD Measurement Range		20mm to 85mm (0.5mm step)	20mm to 85mm (0.5mm step)
Data Transport Terminal		USB (Import), RS-232C (Export), LAN (Export)	USB (Import), RS-232C (Export), LAN (Export)
Dimensions		317-341mm (W) × 521-538mm (D) × 447-477 mm (H)	317-341mm (W) × 521-538mm (D) × 447-477 mm (H)
Weight		15kg	15kg
Power Supply		100-240V AC, 50-60Hz, 30-70VA	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 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.



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