

Auto Kerato-Refractometer/Auto Refractometer KR-8900/RM-8900

NEW



CONNECTING VISIONS

Topcon's new KR/RM-8900, professional equipment for the professional

Topcon has been a leader in the manufacturing of refractometers since 1950. It doesn't come as a surprise that with such vast experience, Topcon Auto Kerato-Refractometers and Auto Refractometers have been always considered by eye care professionals "the cutting edge" of refractive instruments. Consistent with its successful history of quality, durability and precision, Topcon is proud to introduce the 8900 series of Auto Kerato-Refractometers and Auto Refractometers. Ease of use, high accuracy and sophisticated design are the main characteristics of the KR-8900 and the RM-8900.



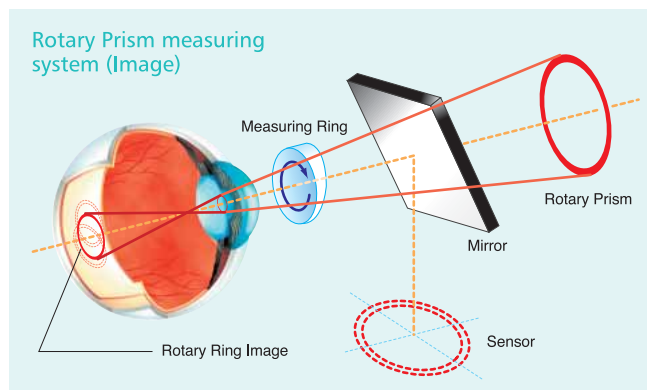
Compact and stylish design

The compact footprint of the RM-8900 and the KR-8900 can save space and add functionality to the contemporary eye care practice. A smaller optical head facilitates the operator's view of the patient's face. An ergonomically positioned screen makes readings easy and comfortable to see.

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.



Quick and effortless operation

- Simultaneous display of right / left readings permits all patient information to be seen instantly on screen.
- Scenic fixation target which assists patients fixate comfortably, and auto-fogging function which minimizes accommodation increase patient comfort and result in accurate readings.
- Automatic measurement and printout are available. (Exclusive to KR-8900)
- An incorporated CPU makes measurements faster and more precise. Patient comfort is enhanced.
- Various interfaces with other Topcon instruments provide a total interconnectivity solution.



Convenient functions

NAME					
MAY_25_2008 AM 11:23					
NO.0001 01					
REF. DATA					
VD: 13.75 CYL: (-)					
<R> S C A					
+ 1.25 - 1.25 77					
+ 1.25 - 1.25 76					
+ 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 84					
+ 1.00 - 1.25 83					
+ 1.00 - 1.25 83					
+ 1.00 - 1.25 94					
PD: 64					
KRT. DATA					
<R> D MM A					
H 44.00 7.66 178					
V 43.50 7.75 88					
AVE 43.75 7.72 86					
CYL: -0.50 86					
D1 D2 A1					
81 43.50 44.00 88					
82 43.50 44.00 91					
83 43.50 44.00 88					
84 43.50 44.00 89					
85 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 80					
CYL: -0.25 80					
D1 D2 A1					
81 43.50 43.75 80					
82 43.50 43.75 77					
83 43.50 43.75 75					
84 43.25 43.75 76					
85 43.50 43.75 76					
TOPCON					

Printed data

A complete printout of the data acquired is available at the touch of a button.

The operator can choose among five print data formats:

- 1.ALL: Prints out all measurements (up to 10 readings per eye)
- 2.AVE: Prints out averaged value for all measurements
- 3.GRAPHIC: Prints out illustration diagrams together with data
- 4.SIM: Prints out only the average measurement value of all readings
- 5.CUSTOM: Output data format can be customized according to the user's preference

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

Control panel

The various modes and functions can be easily selected from the simplified control panel.

Cornea diameter measurement

Corneal diameter can be measured during testing, and the image can be recalled later. If desired, both eyes can be measured, with the data recorded on the printout. (Exclusive to KR-8900)

Easy-to-load printer

Easier to load, quicker and quieter, the incorporated printer provides clear and complete printouts. Just drop the paper roll into the holder.



Specifications

RM-8900

KR-8900

Objective Refractometer Mode	
Sphere range	-25D to +22D (0.12D/0.25D)
Cylinder range	0D to ±10D (0.12D/0.25D)
Axis range	0° to 180° (in 1° or 5° steps)
Minimum measurable pupil diameter	ø2.0mm
Corneal Curvature Mode	
Corneal curvature radius	—
Refraction index	—
Corneal refraction	—
Corneal astigmatism	—
Corneal astigmatism axial angle	—
Others	
PD measurement range	20-85mm in 1mm step
Output	RS-232C/ USB 1.1

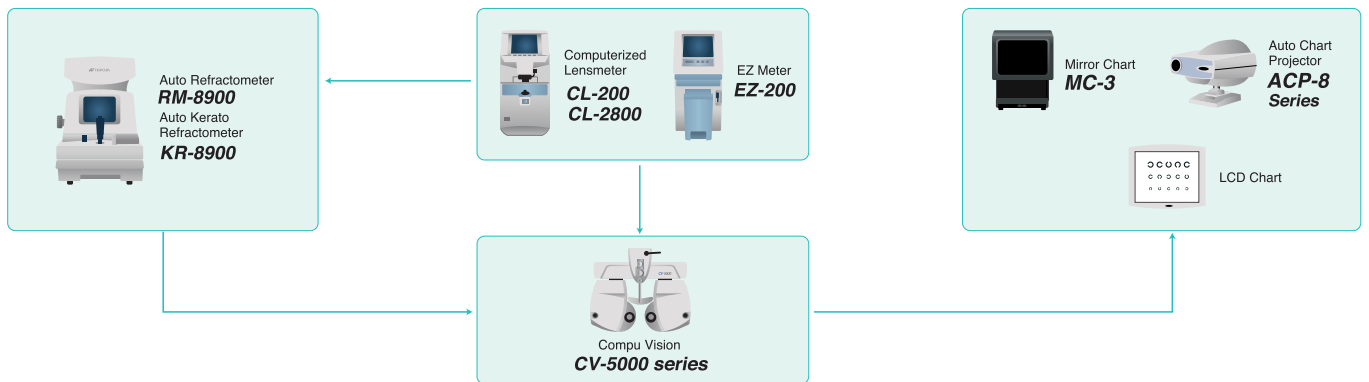
Other Specifications

RM-8900

KR-8900

Dimensions	288(W) x 509(D) x 432-462(H)mm	
Weight	19.6 kg	
Power Supply	100-240V AC, 50/60Hz, 60VA	100-240V AC, 50/60Hz, 75VA

System Chart



*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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