



Specifications

Conventional mode	REF	Refractometer
	KER	Keratometer
	R/K	Refractometer with Keratometer
	CLBC	Contact lens base curve measurement
Special function	P.K	Peripheral Keratometer
	ILLUM	Retro-illumination function
	SIZE	Cornea / Pupil size measurement
Refractometer	Sphere	-25.00 ~ +25.00D (0.01/0.12/0.25D step)
	Cylinder	0 ~ ±10D (0.01/0.12/0.25D step)
	Axis	1~180° (1° step)
	Required min. pupil	2.0mm
Keratometer	Radius curvature	5.00 ~ 10.00mm (0.01mm step)
	Refractive power	67.50 ~ 33.75D (0.01/0.12/0.25D step)
	Astigmatism	0 ~ ±10D (0.01/0.12/0.25D step)
	Astigmatic axis	1~180° (1° step)
	Peripheral measurement	6.0mm (r=7.8mm)
P.D	Max.	88mm
Size mode	Cornea	0 ~ 12.9mm
	Pupil	0 ~ 12.9mm
Target chart	Auto fogging system with scenery chart	
Display	Tiltable wide 7 inch TFT LCD (including Touch panel)	
	Luminance 400cd/m ²	
	Resolution 800 x 480 pixels	
Printer	Built-in thermal printer with auto loading & auto cutter	
Interface	RS-232C, RGB(Video out)	
Dimension	270 x 520 x 455mm (10.6 x 20.5 x 18 in.)	
Weight	Approx. 18kg (40 lbs)	
Power supply	AC 100~240V 50/60Hz	
Power consumption	60W	



Tiltable LCD screen for 70 degrees



The LCD screen enables operator to measure in comfortable position even when the patient's eyelid needs to be opened by operator.

GUI familiar to operator



The auto refractometer RK-R is showing the information such as setup function and measurement on the screen by bitmap images and icons similar to Google's Android, and it is much useful for operators who are familiar with smart phone and internet to make measurement than showing the information by text image.

Comfortable chinrest & headrest



The auto refractometer RK-R provides the patients with the comfortable measuring environment by adopting chinrest and headrest with soft material of silicon rubber.

Wide 7 inch TFT Color LCD screen with touch controls



It enable the operator to show the abundant information related to the measurement by using with 7 inch TFT Color LCD panel with touch controls.

Refractive measurement with Hexagon prism & high sensitive CCD technology



With high-quality of Hexagon prism & highly sensitive CCD technology, it provides unmatched accuracy and reliability. The innovative optical design incorporated into RK-R allows to obtain more reliable and realistic data that is closer to subjective refraction result.

High speed printer with easy loading & auto cutting



The auto refractometer RK-R incorporates a high speed and user-friendly printer, and the printer paper can be changed easily.

Motorized chinrest movement



The motorized chinrest with simple up / down buttons facilitates smoother operation.

Soft-Lock



The auto refractometer RK-R incorporates a convenient Soft-Lock lever on the main body for temporal locking of moveable part during operation.

An innovative fogging function

An innovative fogging function reduces the effects of myopia and patient accommodation, and the special target image is adjustable continuously for more reliable results.

Advanced 32-bit Microcontroller

SAMSUNG's 32-bit Microcontroller (CPU) with high performance & low currency enables to achieve rapid calculation, accurate measurement and automatic control.

Motorized vertical movement



The motorized vertical movement with rotating joystick facilitates lighter and more convenient measurement. In addition, more precise movement enables easy alignment through a special sensing technology.