KR-9900 / RM-9900

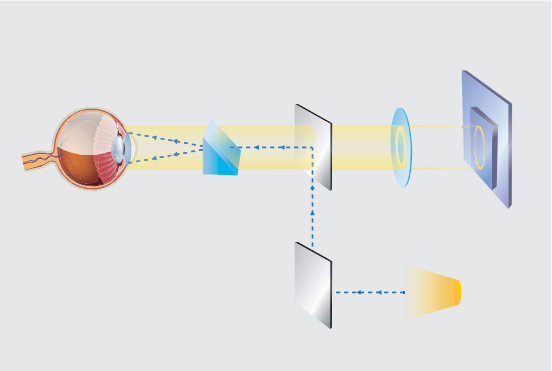
Auto Ref/keratometer
Auto Refractometer

KR-9900 | RM-9900

Auto Ref/keratometer
Auto Refractometer

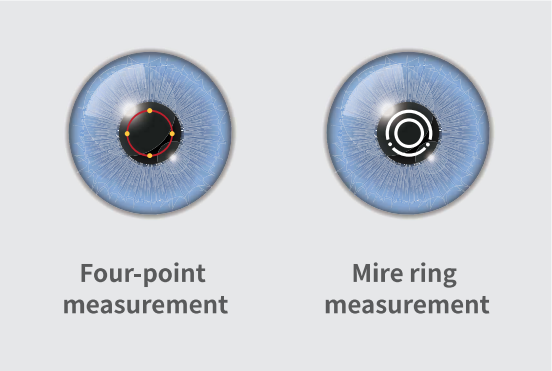
- The new double zone control design makes the fogging process and the measurement process independent of each other: fogging first then the measurement, which makes the human eye fully relaxed before measurement, helping capture the true diopter of the human eye and improve the accuracy of the measurement result.

- Adopts new refraction measurement technique, providing more comprehensive image analysis and more reliable and consistant measurement data.



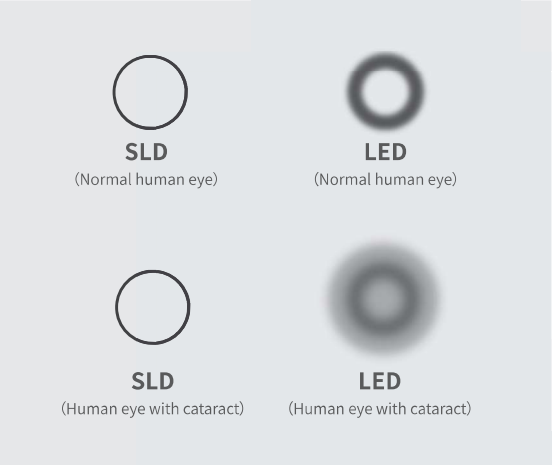
Rotation prism

Rotation prism can equalize the light source to get more evenly distributed measure ring and enhance the quality of the projected rings so that the measurement result consistency is improved.



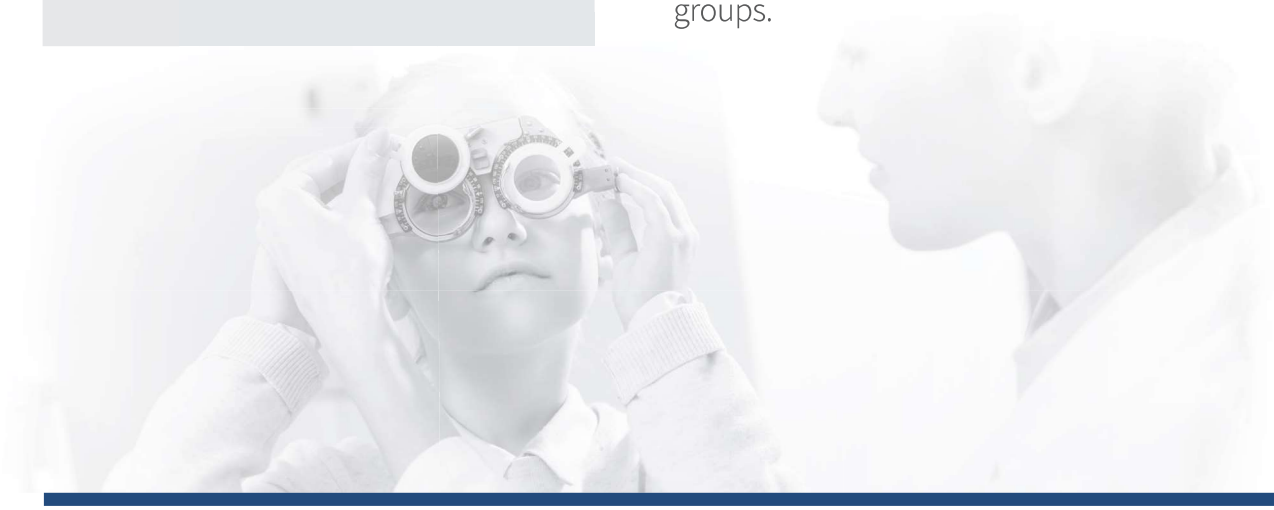
Mire ring double-ring measurement

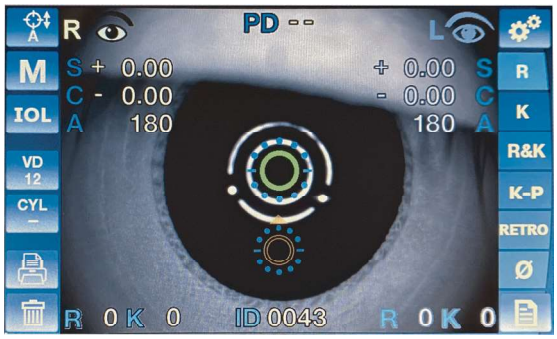
The two rings facilitate synchronous focusing and measurement, helping get more measurable points to enhance the accuracy of keratometry measurement.



Super luminescent diode (SLD) +high sensitivity CCD

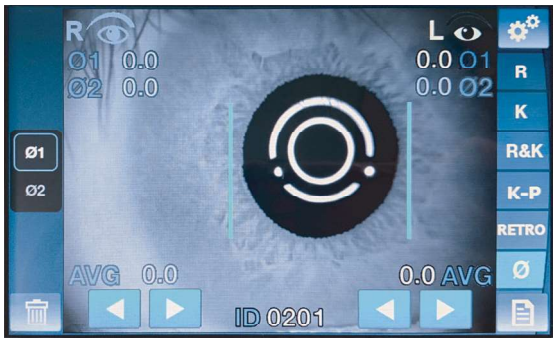
Compared to common LED light source, using SLD can get more clear image. Even though the reflected light from fundus is weak, the high sensitivity CCD can still capture the ring shaped image, enabling the device to measure for cataract and be suitable for wider patient groups.





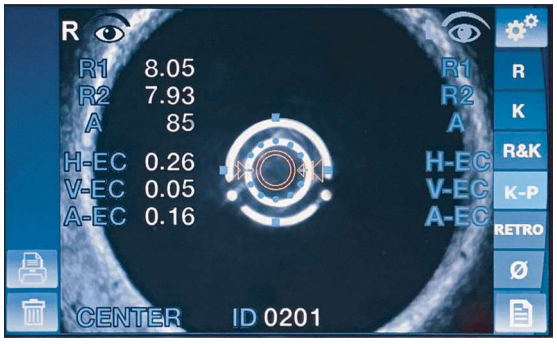
Automatic human eye tracing

The automatic human eye tracing and focusing (Y direction) technique makes the deivce lock on the pupil center fast and accelerate the measurement process.



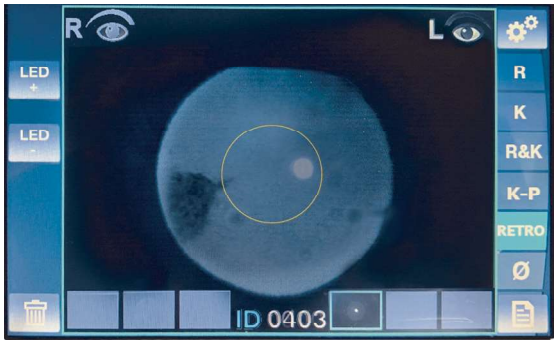
Pupil and Cornea(White to white)

Diameter measurement
Measurement of Pupil size enables the operator to check refraction in different environment conditions such as Scotopic, Mesopic and Photopic.Also, White to White measurement is helpful in certain lOL calculation formuia which is needed for cataract surgery



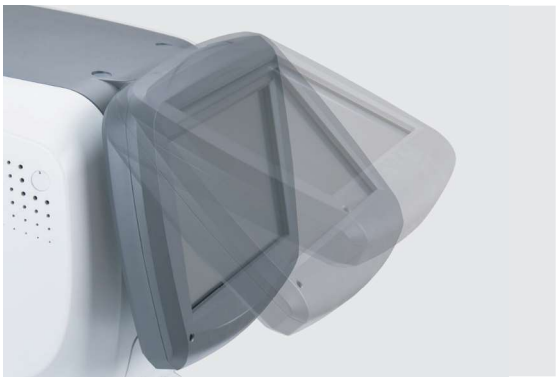
Peripheral keratometry measurement

Centered on the 3mm area around the corneal center to measure the steepness of peripheral cornea to get the thorough understanding of the cornea status.



RETRO

Using RETRO measurement to briefly evaluate the opacity of the anterior segment.



Tiltable Touch Screen

7.0in touch screen with 90° titlable angle:
operator can get comfortable view whether sitting or standing.

Motorized Chin Rest

Motorized chin rest and head rest:
for smooth height adjust and easy operation.

Printer With Auto Paper cut

Built-in high speed thermal printer:
auto paper cutting, printer paper replacing is easy and prints fast.

One Touch Lock

Unit lock button:
one push to lock the measuring unit on the device chassis.

Specifications

Refractive Measurement	VD:	0.0, 12.0, 13.50, 15.0mm
	Sphere:	-32.00 ~ +25.00D (0.12 / 0.25 D step) (VD=12mm)
	Cylinder:	0.00 ~ ±10.00D (0.12 / 0.25D step)
	Axis:	0° ~ 180°(1° step)
	PD range:	0 ~ 85mm (step - 1mm)
	Minimum measurable PD:	ϕ2.0mm(Default) / 2.5mm (Optional)
	Target fixation:	Auto fog system
Keratometry Measurement (KR-9900 only)	Radius of curvature:	5~10mm (0.01mm step)
	CLBC Mode:	33.00D to 67.75D (0.12 / 0.25D step)
	Corneal refraction:	33.00D ~ 67.75D (0.12 / 0.25D step)
	Corneal Astigmatism:	0.00D ~ ± 15.00D (0.12 / 0.25D step)
	Axis:	0~180° (1° step)
	Corneal diameter:	2.0~12.00mm
Specifications	Measurement mode:	Manual, Auto
	Measurement value for each eye:	10
	Motorized chin rest range:	+/- 25 mm (total: 50mm)
	Monitor:	7-inch / 5-inch (on request) Color LCD
	Printer:	Thermal printer
	Print details:	Date, time, serial number and eye diagram
	Power saving:	OFF/5/15 minutes
	Export:	RS232/USB, Bluetooth
	Power:	AC100-250V, 50/60Hz,50w
	Dimensions/weigh:	262 (W) * 487 (D) * 487 (H) mm/17.2Kg

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