

PRK - 9000

faster and correct
Auto Ref/Keratometer



CE 2195

FDA

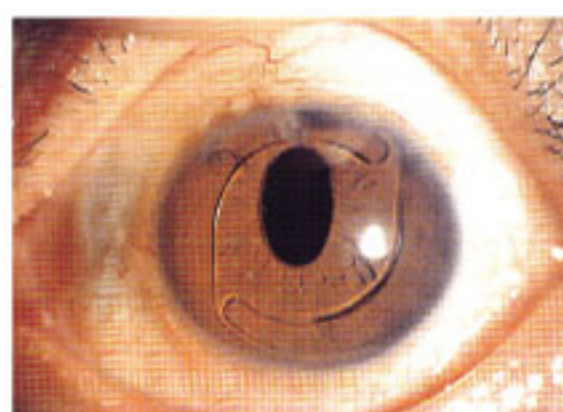
 **GERIX**

PRK - 9000



> IOL MODE

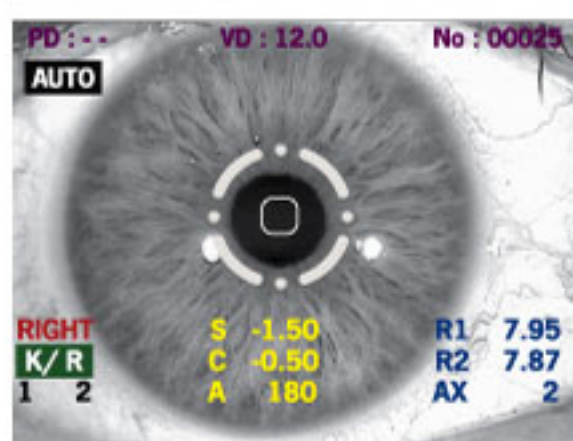
Can measure and observe IOL that is inserted after extracting crystalline lens from cataract.



> Cornea Refractive Power, Cornea Curvature Measurement

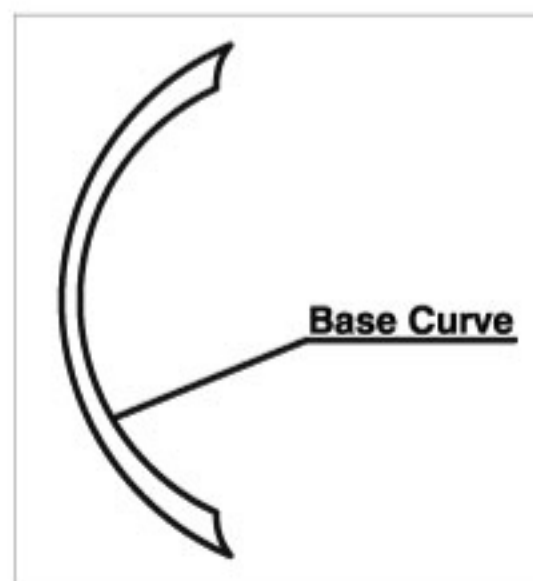
Wide area of spherical power from -25D to +22D and cylinder power from -10D to +10D can be measured using specially designed PRK-9000.

More exact cornea curvature can be measured from 5.0mm to 10.2mm by improved optical science design method.



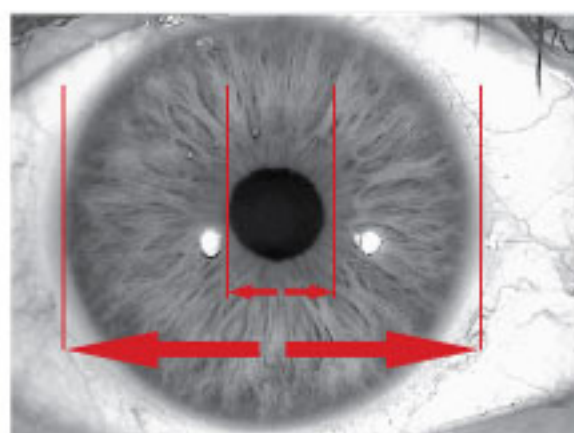
> Contact Lens Base Curve (CLBC) Measurement

User can check proper hard contact lens' base curve with back side holder of model eye and can check condition of lens surface. It helps user to prescribe customer contact lens exactly.



> Cornea, Iris, Cornea Size Measurement

With image capture function of LED reflected image, cornea, iris, and pupil size can be measured conveniently.



Ref/Keratometer, Contact Lens's Base Curvature, IOL MODE, Various function

> Automatic PD Measurement

PD measurements are performed automatically after measuring binocular power, and it displays in LCD window.



> Colored fogging chart

Patients' eyes can be naturally fogged when measuring their eyes, so control interference can be forbidden. Therefore, measurement reliability can be improved with more exact date.

> Speedy printer

A speedy printing can analyze various measurement date easily.



> Higher resolution TFT LCD

With 6.4 inch TFT LCD, wide and superior image quality along with colored letters can be provided.

> Automatic power-saving mode

In case user does not use the machine for certain time (user can set using time at SET-UP mode), system is changed to power-saving mode to avoid unnecessary power consumption and overheating of inner circuit

> Automatic chin-rest control function

Chin-rest can be controlled automatically by one-touch button so that user can measure faster and easier

> Communication function among machineries

User can measure and analyze data from refractor, lens meter and other machinery using RS-232C

SPECIFICATIONS

Measurement mode

REF/KER MODE	Continuous Refractometry and Keratometry
REF MODE	Refractometry
KER MODE	Keratometry
CLBC	Contact Lens Base Curve Measurement

Measurement Range

Cornea vertex distance(VD)	0.0, 12.0, 13.5, 15.0
Spherical power(SPH)	- 25.00 ~ + 20.00 (VD=12.00) (0.12/0.25D STEP)
Cylinder power(CYL)	0.00 ~ ±10.00D (0.12 or 0.25D STEP)
Axis	1~180° (1° STEP)
Cylinder Indication	-, +, ±
Pupil distance(PD)	10~85mm
Minimal pupil size	Ø2.0mm

Cornea Measurement Range

Cornea curvature radius	5.0~10.2mm(0.01 STEP)
Cornea power	33.00~67.50D (Cornea equivalence power=1.3375) (0.05/0.12/0.25D STEP)
Cornea Cylinder Power	0.00~-15.00D(0.05/0.12/0.25D STEP)
Cornea Cylinder Axis	1~180° (1° STEP)
Cornea Diameter	2.0~14.00mm(0.1mm STEP)

Dimension

Inner printer	Built-in printer
Monitor	6.4 " TFT LCD
Thermal Printer	AC100-240V, 50/60Hz(Free Voltage, Free Frequency)
Size/ Weight	252(W) X 478(D) X 430(H)mm, about 20kg

※ Designs and details can be changed for its improvements without prior notice.



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