

Created with POTEC's state-of-the-art digital technology, PRK-5000 is an innovative Power Auto Ref-Keratometer for the next generation.



**Multi-functional Power Auto Ref-Keratometer for the Next Generation.**



**Improved Functionality**



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**Refraction & Keratometry Measurement**

PRK-5000 provides an extensive dioptric measurement range (-25D to +22D), and the radius of curvature for keratometry is 5.0mm to 10.2mm. Easy alignment and friendly operation allows you to measure the refraction and keratometry in sequence, and the results can be validated immediately.



**CLBC (Contact Lens Base Curve)**

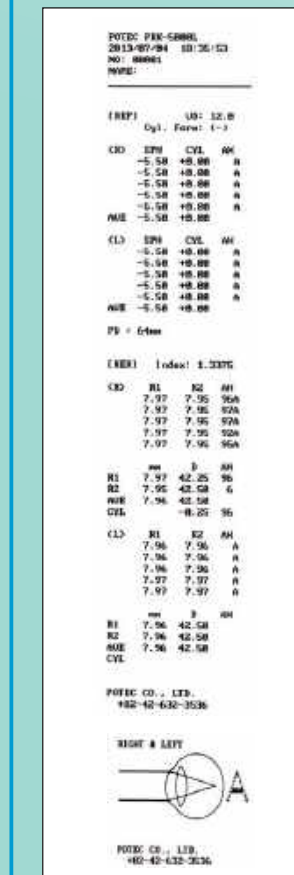
Base curve (posterior curve) of hard contact lens can be measured using contact lens holder on the back of the model eye. You can inspect the lens, and distinguish between the right and left lenses.



**Diameter Measurement**

Using the PRK-5000's Freeze Function, you can measure the diameter of the cornea, pupil or hard contact lenses worn by an examinee. Since the image of the eye is frozen, the process is simple and precise.

**Printing Example**



**Automatic PD Measurement**

The pupil distance is automatically measured and displayed after refraction measurement of both eyes is performed.

**Automatic Power Saving**

When the PRK-5000 is not in use more than 5 minutes, a built-in power saving function eliminates current to the monitor and lighting circuitry. It conserves energy and prevents build-up of heat from electronic circuitry, extending instrument life.



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**Three exclusive features of POTEC Auto Ref-Keratometer**

**RELIABLE & ACCURATE**

REF/KER measurement, Wide measurement range Multi function, User-friendly

**SLIM & SMART**

Compact body for space saving

**High Quality vs Good Price**

Cost effective pre-test solution Meets or exceeds many other brands

**Fast and Convenience**

Fast measurement speed and convenience for user by adjustment of high performance CPU.

**POTEC PRK-5000**



**Color Photo Target**

This color photo target with wide angle of view allows the examinee to be more relaxed, making eye fixation easy. The auto-fogging function reduces the effects of instrument myopia and patient accommodation, especially helpful with children and patients with difficult eyes.



**Displays Data Instantly**

Through monitor, you can see the results (maximum of 10 data for each eye) of measurements stored in memory. Data may be printed.



## Optimized Convenience



### ▶▶ Operation panel

Along with the innovative design and advanced technologies, the compact control panel provides easy access to all measurement modes.



### ▶▶ Joystick for easy operation

PRK-5000 utilizes an omni-directional joystick. Alignment and measurement can be performed with one-handed operation. Even novice users can obtain reliable and accurate data every time.



### ▶▶ Printer

Simply press the "PRINT" button, and PRK-5000 will immediately provide a complete printout of the measurement results. A lightning fast, built-in printer is located to the right side of the joystick.

### ▶▶ Data transfer

It is possible to send the measured image by USB connection and you can save the size & ILLUM ocular image in your PC (The note is that it needs the program as PRK-Manager.)



CE FDA

## Specifications

### Measurement Modes

Continuous Keratometry and Refractometry (K/R Mode)
Refractometry (REF Mode)
Keratometry (KER Mode)
Contact Lens Base Curve Measurement (CLBC Mode)

### REFRACTOMETRY

Vertex Distance (VD)	0.0, 12.0, 13.5, 15.0
Sphere (SPH)	-25.00 ~ +22.00D (when VD=12mm) (Increments : 0.12 and 0.25D)
Cylinder (CYL)	0.00 ~± 10.00D (Increments : 0.12 and 0.25D)
Axis (AX)	1° ~ 180° (Increments : 1°)
Cylinder Form	-, +, MIX
Pupil Distance (PD)	10 ~ 88mm
Minimum Pupil Diameter	∅ 2.0mm

### KERATOMETRY

Radius of Curvature	5.0 ~ 10.2mm (Increments : 0.01mm)
Corneal Power	33.00 ~ 67.50D (when cornea equivalent refractive index is 1.3375) (Increments : 0.05/0.12/0.25D)
Corneal Astigmatism	0.00 ~ -15.00D (Increments: 0.05/0.12/ 0.25D)
Axis	1° ~ 180° (Increments : 1°)

### Others

Corneal Diameter	0.8 ~ 14.0mm (Increments : 0.1mm)
Memory of Data	10 measurements for each eye
Internal Printer	Thermal line printer
Monitor	5.7inch TFT LCD Monitor
Power Supply	AC100 ~240V, 50/60Hz (Free Voltage, Free Frequency)
Service Power	35~55VA
Dimensions	Approx. 273(W)× 501(D)× 473(H)mm
Weight	Approx. 20kg

∅ Subject to change in design and / or specifications without prior notice.

POTEC

POTEC, a new mecca of an advanced optical technology.  
POTEC will lead the optical technology in the 21st century with its digital technology.

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AUTO REF-KERATOMETER

# PRK - 5000

Since 2002



POTEC