

# PLM-8000

Auto Lensmeter



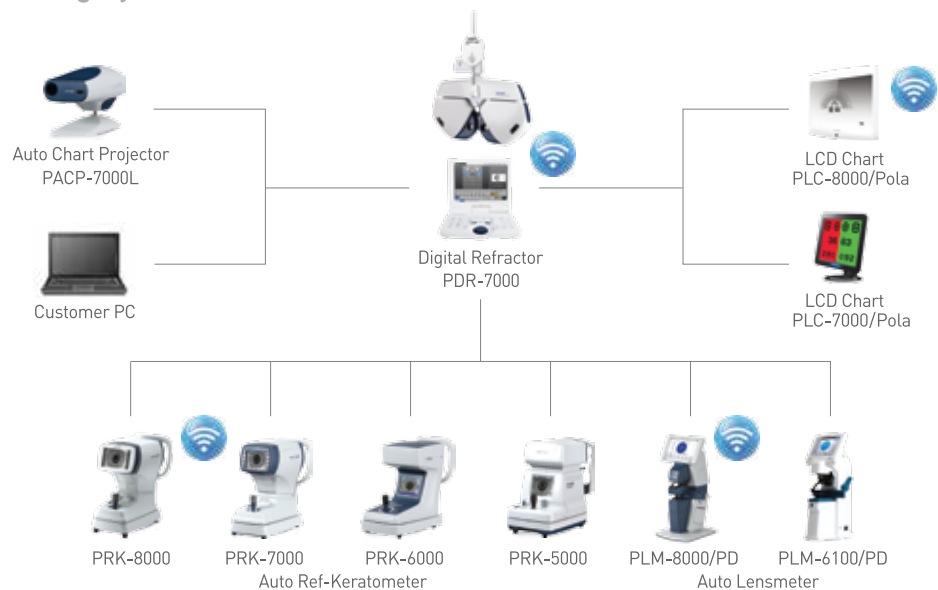
## Specifications

|                  |                         |                                                  |
|------------------|-------------------------|--------------------------------------------------|
| Measurement      | Sphere power(SPH)       | -25D ~ +25 D (0.01 / 0.06 / 0.12 / 0.25 D steps) |
|                  | Cylinder power(CYL)     | 0D ~ ±10 D (0.01 / 0.06 / 0.12 / 0.25 D steps)   |
|                  | Axis(AX)                | 0° ~ 180° (1°steps)                              |
|                  | Addition power          | 0 ~ +10 D (0.01 / 0.06 / 0.12 / 0.25 D steps)    |
|                  | Prism power             | 0 ~ 20 Δ                                         |
|                  | Transmittance(UV, Blue) | 0 ~ 100%                                         |
| Measurement Mode | Cylinder Mode           | -, +, MIX                                        |
|                  | Prism Mode              | Rectangular / Polarized                          |
|                  | Display                 | 7.0 inch TFT COLOR LCD Monitor, Touch            |
|                  | Wave                    | e-line, d-line                                   |
|                  | Abbe value              | 30 ~ 60                                          |
| Others           | LED wavelength          | 525nm, 400nm(UV), 420nm(BLUE)                    |
|                  | Lens diameter           | Max. approx. 120 mm                              |
|                  | Marking system          | Ink Cartridge type                               |
|                  | Interface               | RS-232C, USB, Wi-Fi                              |
|                  | Printer                 | Thermal line printer with auto cutter            |
|                  | Rated Voltage           | 100-240V~, 50/60Hz                               |
|                  | Power consumption       | 35-55VA                                          |
|                  | Size                    | 198(W) X 245(D) X 420(H) mm                      |
|                  | Weight                  | Approximately 5kg (Net Weight)                   |

## Option

|       | PLM-8000 | PLM-8000PD   |
|-------|----------|--------------|
| PD    | X        | ●            |
| Wi-Fi |          | User Options |

## Networking System



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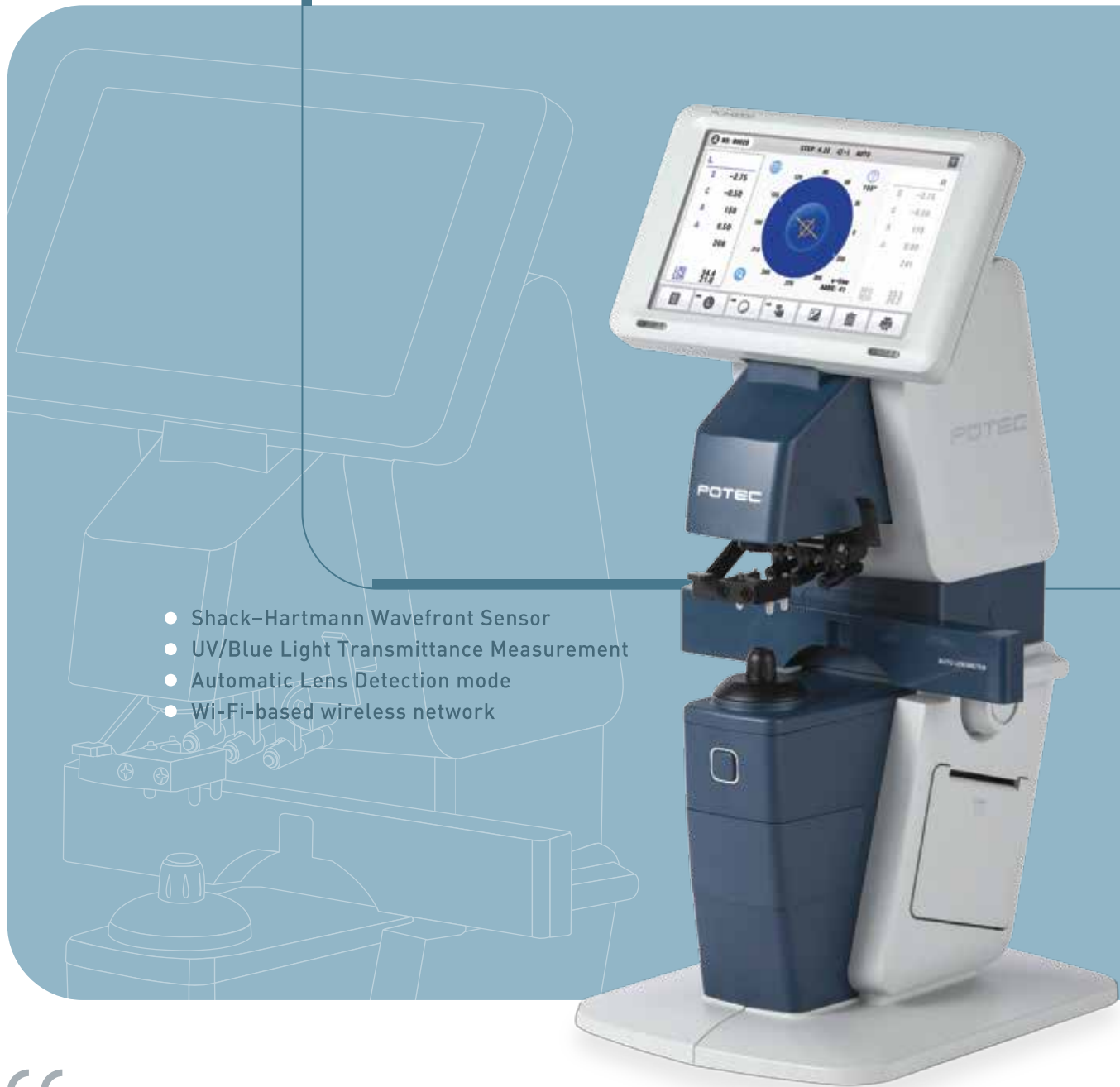
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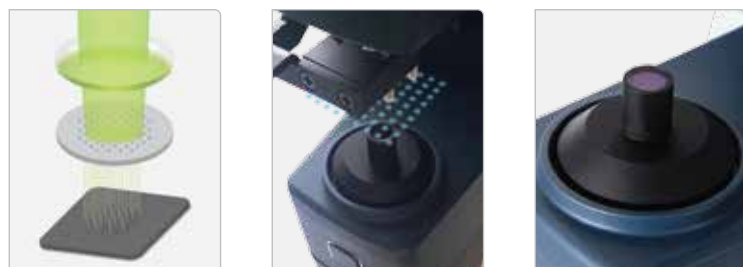
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## INTERFACE

### Shack-Hartmann Wavefront Sensor (SHWFS) technology adopted.

The SHWFS-based technology and the algorithm compensating for light loss are adopted to minimize the measurement error and produce more accurate value



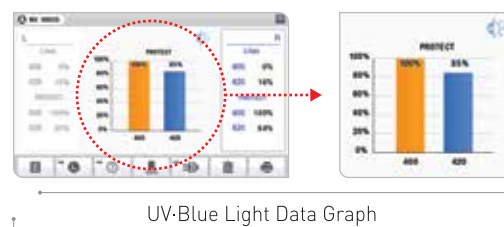
### UV/Blue Light Transmittance Measurement

Since the ultraviolet (UV) transmittance of ordinary lenses or sunglasses is measured and the measured value is displayed with the UI, you can check the data more intuitively.

It is possible to measure the transmittance of lens that blocks blue light emitted from digital devices such as smartphones and LCDs. (There are two types of display modes available.)



Since UV and BLUE DATA can be displayed on a graph at the same time, you can see their trend at a single glance.



### Green Measurement Light Source

We have minimized measurement errors by green measurement light sources of wavelength close to the international standard, e-line.

### Automatic Lens Detection Mode

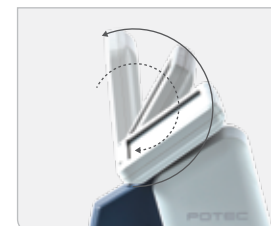
At the time of measurement, the system provides the automatic detection mode, which determines the lens type, automatically switches to the corresponding mode, and enables an instant measurement. In a normal lens mode, it is possible to measure double lens and triple lens.



## USER INTERFACE

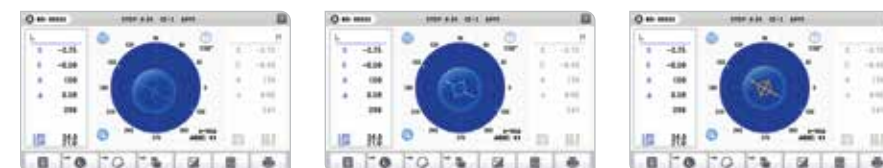
### LCD Tilting Function

A wide tilting angle of LCD provides you bright and clear screen view regardless of your sitting or standing position.



### 7-Inch LCD Touch Screen

The system uses a familiar touch panel and widescreen display to enhance user-friendliness and provides an easy-to-use graphical user interface to display the translucent shape and the angle of the placed lens in real time. Thus, you can easily measure the lens.



### Measuring the pupil distance (PD) and the pupil height of spectacle frames

Adjusting the lens center area with the direction indicator icon allows you to measure the distance between the left and right lens centers and the pupil height of the spectacle frames.



### Multilingual Support

The system supports six languages: English, French, Portuguese, Chinese, Japanese and Arabic.

### Auto Cutting Printer

The system uses a low-noise high-speed auto cutting printer to enable you to output and check the measurement data on the spot and to present the data to customers quickly.

### Various available interfaces (RS-232, Wi-Fi)

It is possible to support the integrated system management systematically with the Wi-Fi-based wireless network communication module, which is installed to exchange data with the Auto Digital Refractor (PDR-7000) and the Auto Ref-Keratometer (PRK-8000) regardless of working conditions. Using RS-232 also allows you to interface with existing systems.

