

# Digital Refractor PDR-7000



Support precise and various kinds of test

System Networking

Fastswitching speed of the lens

Convenient control board

Various convenience functions

A wide range of viewing angle

Digital refractor PDR-7000 which is small and slim design and showing more powerful optometry performance provides precise and various tests conveniently.



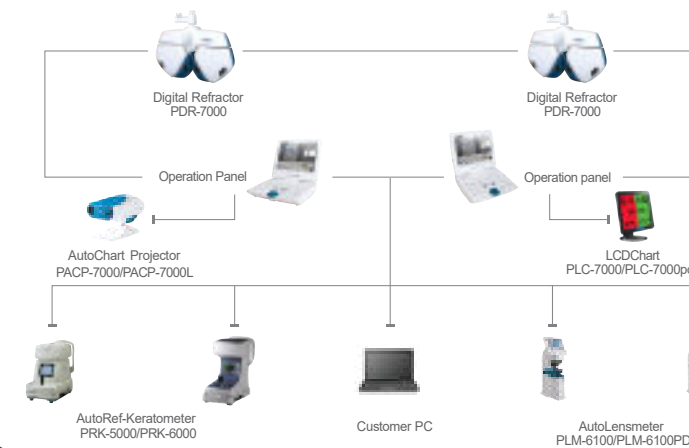
# Digital Refractor PDR-7000

## SPECIFICATION

Sphere Power(SPH)	measurement range	-29.00 ~ +26.75D(general) -19.00 ~ +16.75D(crosscylinder or prism)
	measurement unit	0.12D/0.25D/0.50D/1.00D
Cylinder Power(CYL)	measurement range	0D ~ ±8.75D
	measurement unit	0.25D/1D/2D/3D
Axis(AX)	measurement range	0°~180°
	measurement unit	1°/5°/15°
Interpupillary Distance	measurement range	48 ~ 80mm, measurement distance, 35 ~ 70cm
	measurement unit	0.5mm/1mm
Prism degree	measurement range	0Δ ~20Δ
	measurement unit	0.1Δ /0.5Δ /2 Δ
Prism angle	measurement range	0°~360°
	measurement unit	1°/5°
Crosscylinder	automatic crosscylinder (±0.25D)	
	0.25D±crosscylinder 0.50D±crosscylinder	
Subsidiary Lens	P.D/cover/pin hole(φ2mm)/polarized light filter(45°/135°)	
	madox road(right eye:horizontality, left eye:verticality)	
	red-green filter(right eye:redfilter, left eye:greenfilter)	
	polarized light filter(right eye:135°,45°)(left eye:45°,135°)	
	seperation prizm(right eye:6ΔBU)(left eye:10ΔBU)	
Size	Refractor	323-389(W)x245(D)x59(H)mm/ 3.7kg
	Controller	260(W)x230(D)x58(H)mm/3.1kg(printer included)
	Junction box	210(W)x190(D)x70(H)mm/ 2.1kg

※ Design and specifications can be changed without prior notice for improvements.

## SYSTEM NETWORKING



Make smart technology yours



# Digital Refractor PDR-7000



**POTEC Co., Ltd.**  
1324, Gwanpyeong-dong, Yuseong-gu,  
Daejeon 305-509, Korea  
Tel +82 42 632 3536 Fax +82 42 632 3537  
webmaster@potec.biz www.potec.biz

Distributed by



**BIRMINGHAM OPTICAL**  
Unit 4 Gravelly Industrial Park, Birmingham B24 8HZ  
T: 0808 123 2020  
E: sales@birminghamoptical.co.uk | www.birminghamoptical.co.uk





## Digital Refractor PDR-7000

### optometry

- 1 Supply dual crosscylinder lens  
Dual crosscylinder lens makes more accurate and easy astigmatism and proof test.
- 2 Automatic cover function  
Since when reversing lens and switching mode, automatic cover function prevents intervention of accommodation force, easy and correct test is possible.
- 3 Congestion Control  
Test can be done by the center of the lens eye test in window both presbyopia and nearsighted test.
- 4 Nearsightedness test of all kinds  
Various target makes possible many kinds of nearsightedness test.
- 5 Various test method  
PDR-7000 provides various muscle balance test methods such as Von Graefe Test, Schober Test, Maddox Rod Test, etc.

### design

- 1 Ergonomic design, provide wide viewing angle of 40-degree  
Compact and thin size makes you test more conveniently because it covers small area of patient's face. Test results can be secured practically and accurately due to wide range of viewing angle of 40 degree.
- 2 Forehead pedestal sensor  
Forehead location detection, equipped with alert features such as indicating optimum face location for test, can check whether patients maintain correct posture or not.
- 3 Left / Right Independent PD Adjustment and fast speed of lens switching  
As Left / Right PD adjusted independently, it enhances the reliability of test results and when using an eye chart, enough illumination can be obtained by using light. In addition, as the fast lens switching speed minimizes eye control and eye fatigue that can be migrated during a test, the quality of optometry is improved.
- 4 Provide easy maintenance and upgrade  
As the forehead pedestal, facial contact, and eyepiece protect lens which are designed detachable type can be removed and cleaned easily, you can always maintain hygiene test environment. In addition, the software can be upgraded easily through USB.

## Digital Refractor PDR-7000



Tilting & Swivel Monitor

Touch Screen Monitor

Clicking Jog Dial

Vision Test

### interface

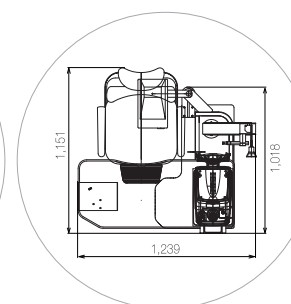
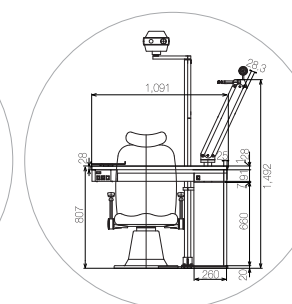
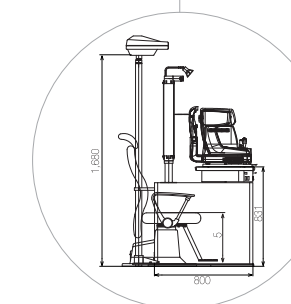
- 1 Provide Tilting & Swivel monitor  
Regardless of the position of the patient and the optometrist, the screen can be shared any angle and direction.
- 2 Provide large screen and convenient touch screen display  
As progress of diagnosis and figures are expressed in an 10.4 inch wide screen with intuitive interface and various colors, it is easy to understand and aware of the test contents, and due to adopting touch-screen, optometry progress can be progressed easily even if optometrists do not familiar with the operation.
- 3 Jog dial of click function and improved tact switch  
Click function provides lens conversion and program execution much faster and conveniently and the voluminous keys arranged by function provide good touch sensitivity and improved durability.
- 4 Useful and convenient Vision Test features  
Due to the useful Vision Test function, it is easy to explain to patients and make them understand about various refractive errors and diseases as well as near visual acuity with near eye chart and auxiliary eye chart, and eye charts can be selected depending on user's taste and the purpose.

## Optometry System POS-7000

Drive automatically by one-touching the arm

90 degree rotated table

POS-7000, providing optimum testing environment under any conditions, is a simple and convenient compact unit table.



gross weight 200kg  
table 145kg  
chair 55kg

## POTEC Optometry System

Potec's high-quality optometry system optimized for high-tech optometry equipment.

### SPECIFICATION

Size	1,240(W)x1,151(D)x1,875(H)mm
Table size	1,090(W)x480(D)x29(T)mm
Revolution angle of table	90°
Head movement	535mm(left-right)
Power arm s-axis movement	±70mm
Chair up down movement	180mm
Bulbs	12V halogen
Power supply	220V 5A
Power consumption	300W (Max)

※Design and specifications can be changed without prior notice for improvements.

