

LCD Acuity Chart

# PLC-9000

Universal Digital Eye Chart with Easy Personalization.



**POTEC**

Unveiling More Than Your Sight

## LCD Acuity Chart

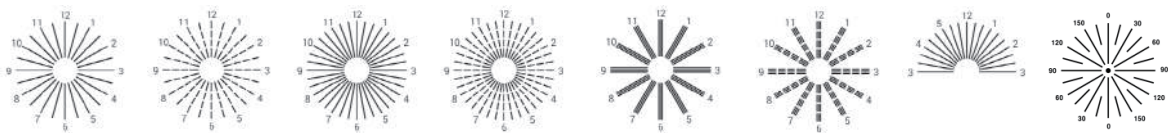
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Universal Digital Eye Chart  
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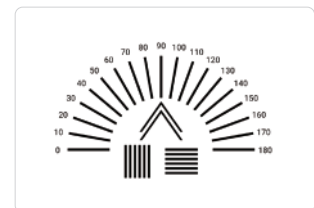
### ■ Diversification of Astigmatism Test Charts

The astigmatism test charts are sharply extended to 8 types from a single type compared to the existing products, which allows various testing conditions.



### ■ Introduction of Astigmatism Fan & Block Charts

The addition of fan and block charts to general astigmatism test functions allows more accurate astigmatism test.



### ■ Wide range of visual Acuity Chart

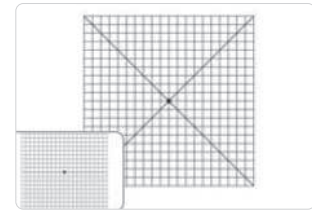
High resolution of 350cd/meter square bright 23.8 inch LCD display offer Alphabet, digit, Snellen, Landolt ring, Pediatric Eye Chart by 16 steps measurement range from 0,05 to 2,0

■ **Maddox rod test**

In addition to various acuity charts, it features integrated vertical and horizontal LED light sources, facilitating the Maddox Rod Test for efficient evaluation of heterophoria.

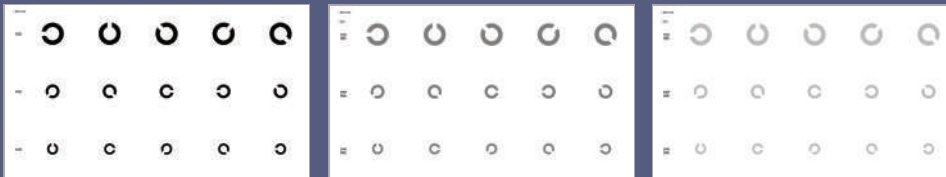
■ **Amsler Grid Chart**

An Amsler grid chart is provided for testing macular degeneration and lesions.



■ **Contrast test**

It enables to perform 13 steps of letter contrast sensitivity test to identify poor night vision issue.



■ **Measurement Distance**

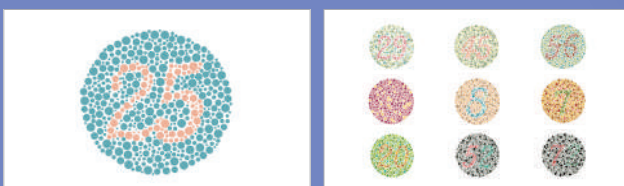
The distances for measurement are adjustable in 0,25m steps, spanning from 1,0m to 8,0m, to effectively meet the needs of various refraction room environments.

■ **Easy customized fonts update**

Features a broad variety of customizable fonts to address the distinct preferences of clients. Moreover, it enables the straightforward inclusion of extra fonts upon client request.



■ **Various chart for color blindness test**



■ **Easy maintenance**

The USB port enables effortless software upgrades, ensuring smooth and efficient device maintenance

■ **Seamless Integration with PDR-7000**

The PLC-9000 is fully compatible with the PDR-7000 digital refractor, creating a seamless connection between visual acuity testing and refraction measurement. This integration streamlines the examination process, improving efficiency and accuracy.

## ■ Specifications

Distance of projection	1.0~8.0m (0.25 step adjustment)
Charts	Landolt, English, Russian, Numerals, Snellen, Children, Specail Chart(Polarization at PLC-9000pola), Color Blindness, Mask(Horizontal, Vertical, Single)
Program	2 programs with a maximum of 40 charts each
Interface	USB(USB3.0), RS-232C
Communication	Wired: RS-232C Wireless: Wi-Fi
LCD	23.8 inch Full-HD
Momory Card	eMMC(8GB)
Power Supply	DC 12V
Power consumption	25W
Dimension	Body : 585(W) X 54(D) X 363(H) mm Remote controller : 64(W) X 196(D) X 20(H) mm
Weight	Body: About 4.9kg Wall Mount Bracket : 370g Remote controller : 160g (Battery included)
<b>&gt; Environmental requirements</b>	
Operating Environment	Temperature: +10 to +40℃ Humidity: 30 to 90% RH Pressure: 800hPa ~ 1060hPa
Storage Environment	Temperature: -10 to +55℃ Humidity: 10 to 95% RH Pressure: 700hPa ~ 1060hPa
Transport Environment	Temperature: -40℃ ~ +70℃ Humidity: 10 to 95% RH Pressure: 500hPa ~ 1060hPa

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