

Specification



Measurement range

Sphere	-29.00D~+26.75D Step: 0.12D、0.25D、1D、2D、3D
Cylinder	-8.75D~+8.75D Step: 0.25D、0.5D、1D
Axis	0°~180°, Step: 1°、5°
Prism	0△~20△, Step: 0.1△、0.5△
Prism Basal Angle	0°~360°, Step: 1°、5°
PD	48mm~82mm (far mode) /49mm~75mm (Working distance of 35cm)

Auxiliary lenses

XC lens	±0.25D、±0.50D
Dual XC lens	±0.25D,Dual XC
Fixed XC lens	±0.50D, fixed axis:90°
Pinhole plate	φ1mm
PD check lens	✓
Red/Green filter	Red(Right) / Green(Left)
Polarizing filters	Right: 45°, Left:135°; Right:45°/0.125D, Left:135°/0.125D
Circular polarizing filters	✓
Maddox Rod	Right: Red, Horizontal; Left:Wight, Vertical.
Sphere for retinoscopy	+1.5D、+2.0D
Disassociating Prism	Right:6△BU;Left:10△BI
Forehead rest adjustment	14mm
Refraction distance for near vision	150mm~700mm
Vertex distance marking	12mm、13.75mm、16mm、18mm、20mm
Horizontal level adjustment	±2.5°
Power supply	AC ~100-240V,50/60Hz, Power 1.4-0.7A
Host Dimensions	Typ.400mm (L) ×92mm (W) ×275mm (H) /3.8kg
Printing base Dimensions	Typ.200mm (L) ×200mm (W) ×80mm (H) /0.8kg

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YPA-2100
REFRACTOR

YPA-2100's advanced technology optimizes performance and provides Patients with an accurate, comfortable and enjoyable refraction experience.



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Reliable design

High-performance stepper motor and precise transmission design assure the excellent performance and durability.

High-quality coating process greatly enhances the light transmittance of the lens, and works with the independently developed lens photometric detection device to ensure the accurate optometry results.



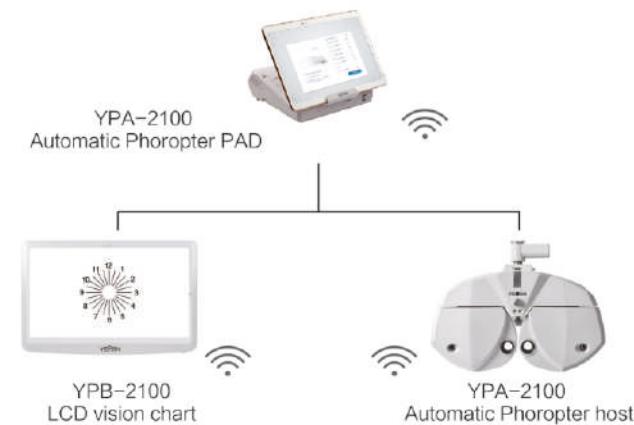
Android Tablet Based Control

APP mode can be easily upgraded. Refractions are performed on the wireless tablet allowing Operators to communicate with the patient easily from any comfortable position. The ability to move freely with the wireless tablet control reduces stress from repetitive motion and allows for improved monitoring of patient expressions and position.



Integration system

YPA-2100 communicates with the LCD visual chart (YPB-2100) made by YEASN through a dedicated wireless network. All functions of Visual Chart can be carried out with Tablet of the YPA-2100.



Dual XC lens

Dual XC lens design, avoiding repeated switching 1/2 dial, astigmatism prescription is more convenient.



Customized Process

The software provides American 21-step optometry procedures, the ability to set up to 6 customized refraction sequences to help standardize your process or help in situations where parts of the refraction are being delegated.

Smart Software

YPA-2100 can conduct visual function test and preliminary diagnosis, supporting patient history data query and storage. Built-in graphical help function helps to reduce the studying difficulty for optometrist.



Data Transfer

YPA-2100 supports data communication with YEASN products and PC.



Ergonomic Design

The beautiful curvilinear and lightweight design perfectly fits a small space and provides a comfortable examination. With a viewing angle of 40-degree, test results can be secured practically and accurately.

High-speed Line Printer with Auto Cutter

The high-speed line printer with auto cutter runs fast and quietly. Measurement data is simply laid out so it's useful for explanation to patients.



Specification

Display	23.8" , 1920×1080
Max Brightness	300cd/m ²
Working distance	1.5m~6m, setp 0.1m
Fix	Wall-mounted
Standard Chart	Snellen E, Landolt C, Letter, Numbers, Children chart, ETDRS
Functional Chart	Maddox Rod, Cross Cylinder, Worth 4, Stereoscopic, etc.
Display type	Single, Horizontal, Vertical, Full, Random
Chart Mask	R/G, B/W, Low contrast, Low illumination
Dimension	Host(Typ.): 595.6mm(L)×388.7mm(W)×62mm(H)/4.65kg Remote controller(Typ.): 186mm(L)×55mm(W)×17.2mm(H)/80g
Power supply	AC ~100-240V, 50/60Hz, Power 1.0-0.5A

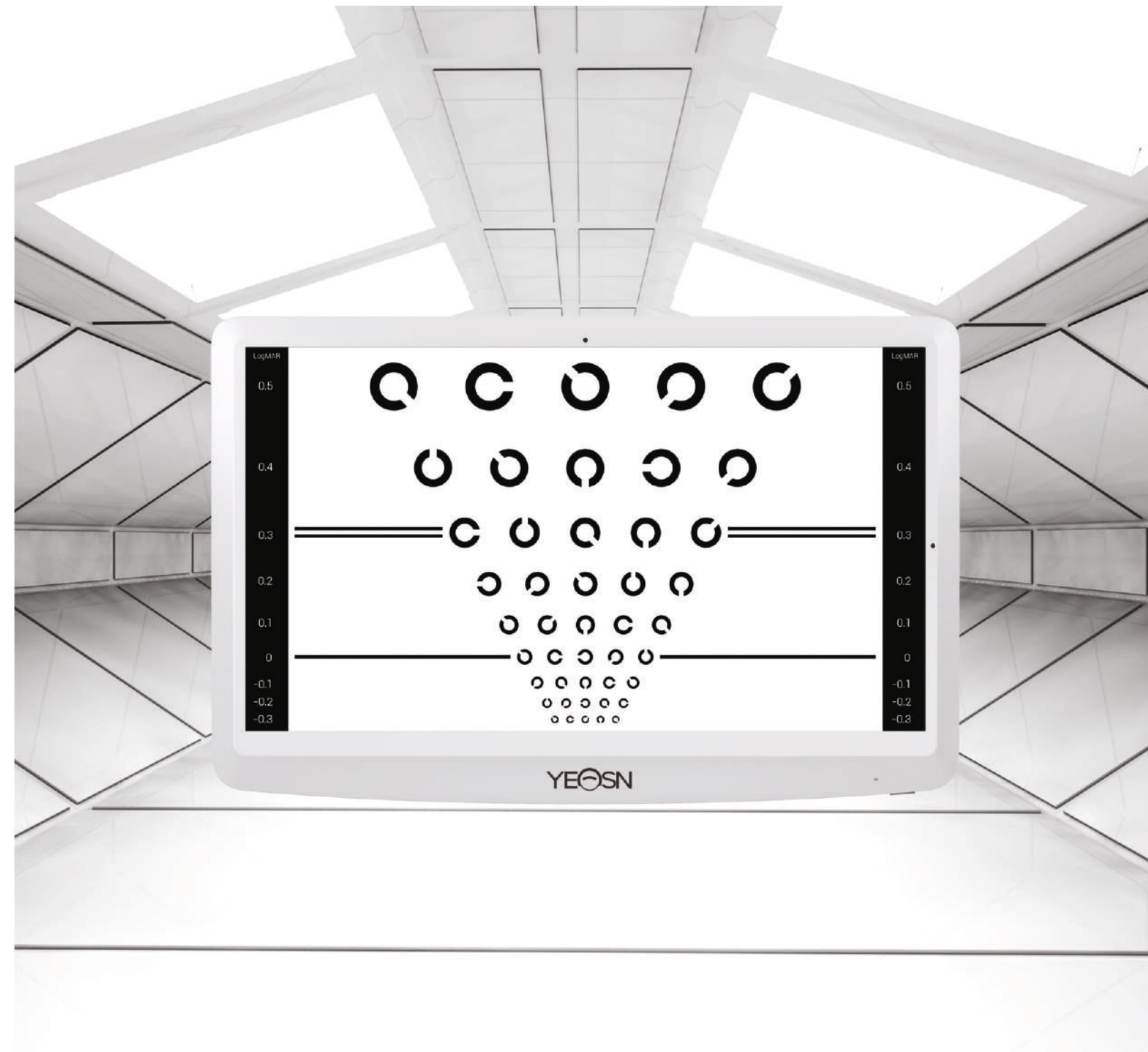


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YPB-2100
VISUAL CHART



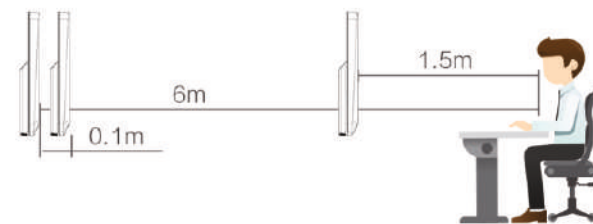
The high resolution and complete variety of test charts provide you the most accurate exam. With wireless data transfer, it is easy to make integration system with refractor.

Professional and reliable

1080P ultra high resolution (1920 × 1080 pixels). 1200:1 ultra-high LCD contrast and 23.8-inch professional medical-grade LCD screen ensure high-definition display of sighting marks, so as to perform more accurate optometry test. The built-in stable and reliable industrial-grade performance ARM motherboard is safe and durable.

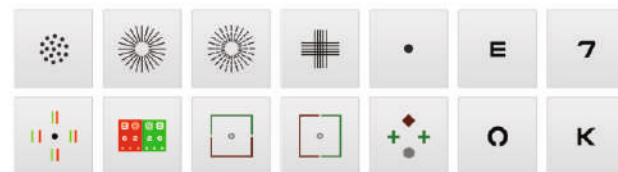
Measurement Distance

Measurement Distance: 1.5m to 6m (maximum 7.5m), it can be set by the unit of 0.1m.



Various Types of Test Charts

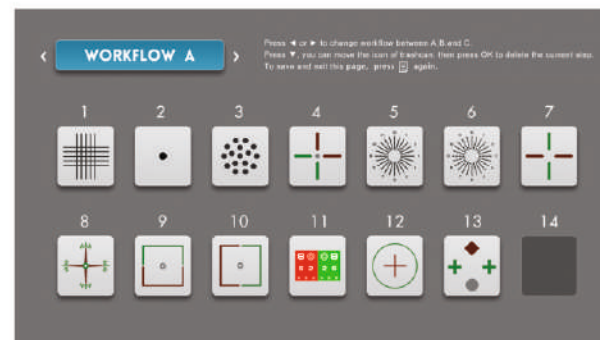
YPB-2100 presents 150 various Types of Charts, including Snellen E, Landolt C, Letter, Numbers, children chart, standard ETDRS and multi-function charts. High resolution LCD enables wide range of test 0.05~2.0.



Customized Process

Operators can customize 3 sets of exam process according to their experience. This software guides the operator through the entire exams. Convenient and efficient.

The user can adjust white balance and red-green color and configure common sighting marks according to the testing requirements.



USB-Update

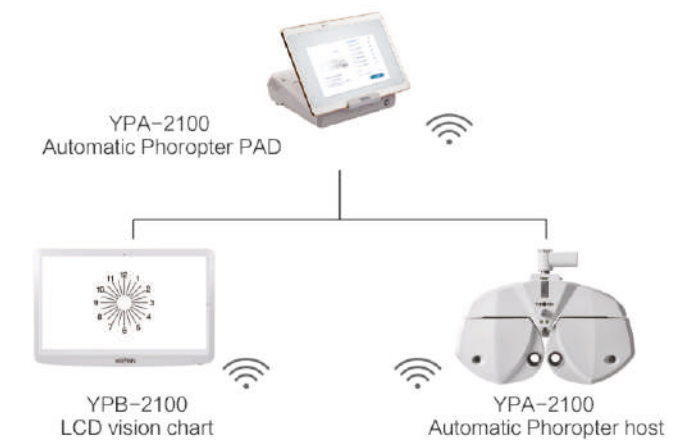
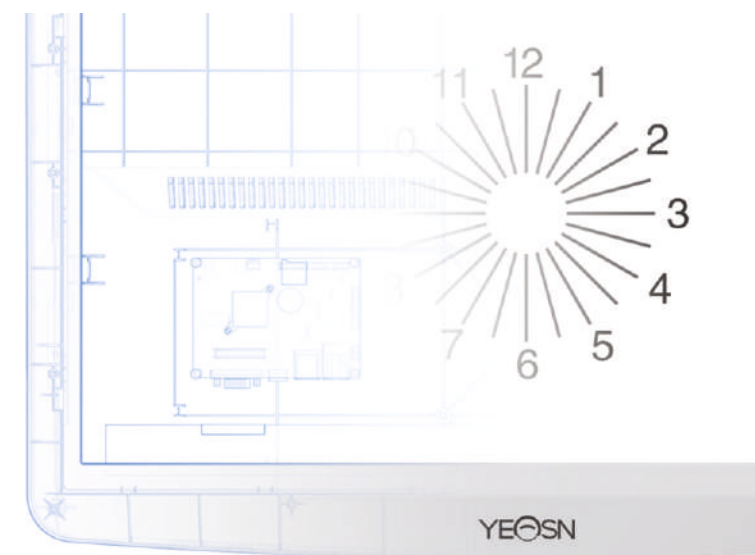
Operators can update software through the USB interface. It is easy to maintenance. The Function also allows you to play the video through USB for kids or advertisement.

Color Blindness Test

YPB-2100 offers more than 70 various charts for color blindness test. All color blindness charts are accompanied with instructions. Easy to use.

Integration system

YPB-2100 communicates with refractor (YPA-2100) made by YEASN through wireless network. All functions of YPB-2100 can be also carried out with PAD of the YPA-2100.



Smart Display

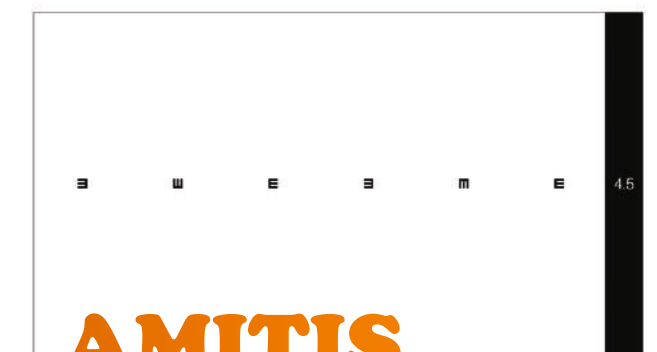
YPB-2100 provides single letter and horizontal/vertical line masking, and always displays the image in the center of the screen. This feature prevents test errors caused by pre-memorizing.

Comprehensive Explanation

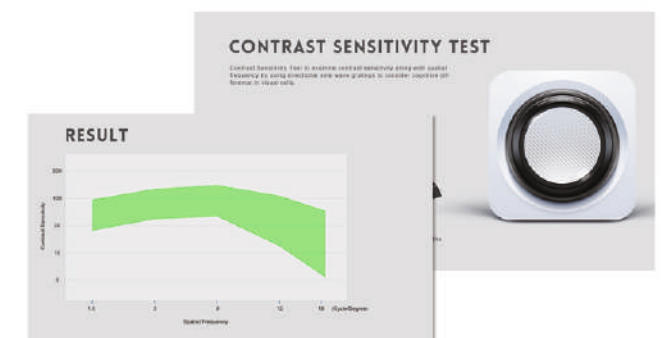
YPB-2100 has Vergence, Pursuit, Saccadic, Tracking sighting marks training function, and supports a comprehensive explanation to patients to explain the theory of visual acuity problems such as myopia, hyperopia and astigmatism. It demonstrates the range of clear vision with their correction in place.

Contrast Sensitivity Test

YPB-2100 can measure contrast sensitivity using charts of sine wave grating. It analyzes the test results to provide more details and more professional analytical diagnosis.



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Innovation,
Know from Sense.

Every design of detail, joint and visual balance; every design of configuration, software and user experience, are industrial innovation.

Specification

Measurement range

Sphere	-25D~ +25D
	Step: 0.01D、0.06D、0.12D、0.25D
Cylinder	-9.99D~ +9.99D
	Step: 0.01D、0.06D、0.12D、0.25D
Axis	0~180°, Step: 1°
Prism	0△~20△, Step: 0.01△
Prism Basal Angle	0~360°, Step: 1°
Add	-9.99D~ +9.99D
Contact Lens	Step: 0.01D、0.06D、0.12D、0.25D
Prism measurement mode	P-B,UD/IO
UV transmittance	0~100%, Step: 1%, wavelength 365nm (UV-A)
Display	7 inch color full graphic, 800×480
Printer	Paper width:57mm; Thermal line printer
Interface	RS-232, USB
Dimensions	235mm(W)×246mm (D) ×487mm (H) /5.45kg
Power Supply	AC (100V~240V) ±10%, 50/60Hz



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CCQ-800
AUTO FOCIMETER

Accurate measurement and efficient operation bring you satisfaction.

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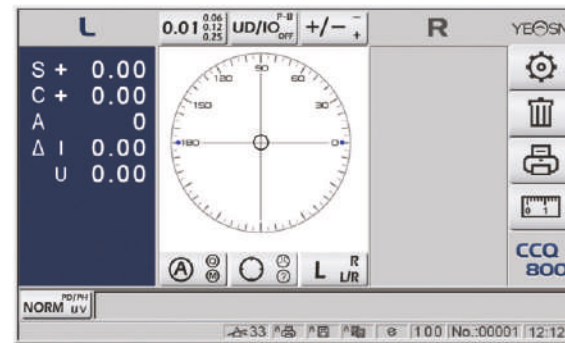
Hartmann sensor

Hartmann sensor with more measuring spots maximizes accuracy in measuring for progressive lenses. The GUI provides guidance to simplify the measurement for progressive lenses.



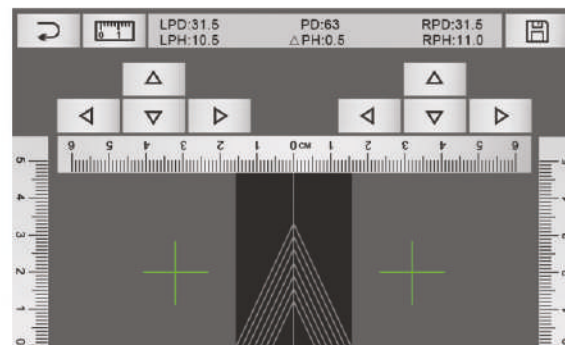
High-speed Processing System

CCQ-800 is designed with unique multi core parallel processing system. The powerful data processing capability guarantees less-than-50ms process from capturing data to calculation.



UV Transmittance Measurement

CCQ-800 use UV-a light beam (365nm). Easy operation and easy display of UV transmittance allow to measure the UV transmittance quickly and accurately.



Prism layout function

Entering the prism prescription value in advance allows easy blocking by just following the target shown on the screen for blocking lenses at the prism prescription position.



Measurement of tinted lens

CCQ-800 could measure tinted lens with transmittance requested by international standard.

7-inch color TFT Display

7-inch industrial level color TFT, with 800×480 pixels, has interactive interface with refined icons. All function icons are easy and simple to operate with wide display with unlimited viewing angle.

Lens Recognition

CCQ-800 can recognize automatically Single vision, progressive and other lenses and turns into corresponding measurement mode.

Low astigmatism lens measurement

With advanced algorithms, CCQ-800 can measure lenses with astigmatism as low as 0.125D.

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Excellence,
Derived from classics.
Faster, more accurate.



Specification

Sphere	-25.00m ⁻¹ ~+25.00m ⁻¹
Step	-5m ⁻¹ ~ +5m ⁻¹ :0.125m ⁻¹ ; Other 0.25m ⁻¹
Axis	0°~180°, Step:1°
Prism Basal Angle	0°~180°, Step:1°
Prism	Standard model:0~5cm/m, Step:0.5cm/m Strengthened model:5~20cm/m, Step:1cm/m
Lens diameter	16mm~80mm
Regulation of ocular visibility	-5.00m ⁻¹ ~ +5.00m ⁻¹
Dimensions	280mm(W)×150mm(D)×450mm(H) / 4.9kg
Power Supply	Input DC 100V~240V, 50/60Hz, Output AC 6V 2A

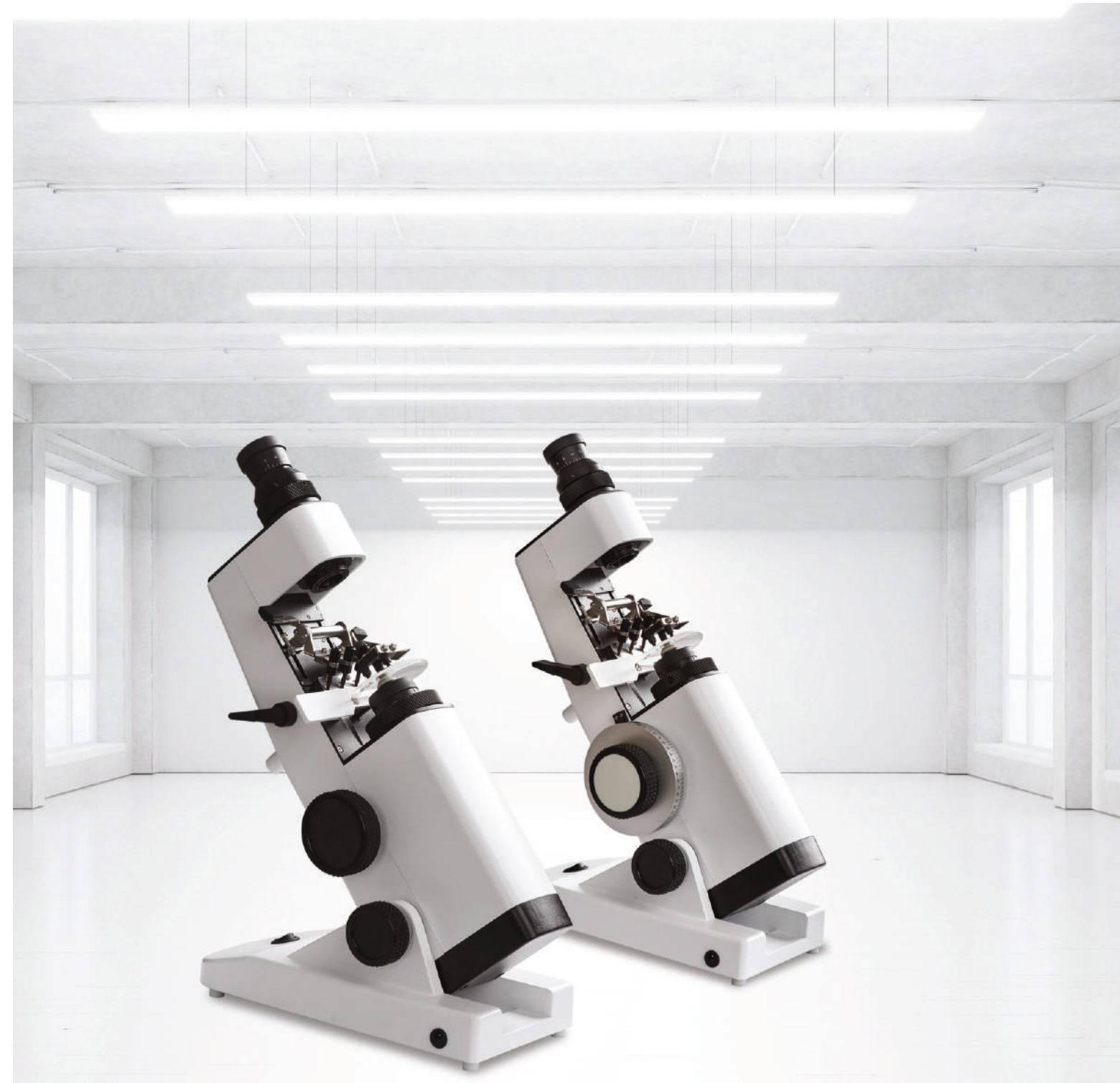
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CCQ-400/500 FOCIMETER

- Internal reading focimeter(CCQ-400) and external reading focimeter (CCQ-500)
- Green LED illumination, Comfortable without glare, excellent durability.
- Solid mechanism of Lens pressing unit is applicable for measurement of lens from φ16mm toφ80mm.
- Prism compensation device is optional, Support measurement of wide range of prism power from 5Δ to 20Δ.
- With wide tilting angle, CCQ-400/CCQ-500 is easy and simple to operate for both standing and sitting operators.with easy operation.

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Specification

Measurement range	45mm~82mm (Binocular)
	22.5mm~41mm (Left or Right)
Distance of target	30cm~∞
Target	LED
Display	LCD
Measurement of Monocular	Monocular Covering Knob
Auto power off	0.5~3minutes
Power supply	5# AA Battery × 2
Dimensions	221(W)*166(D)*63(H)mm/0.68kg



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HX-400 PUPILOMETER

- Binocular/monocular PD measurement is possible with a simple click of a button.
- The distance of target can be adjusted from 30cm to infinite.
- Use LED as illumination for high luminance, the luminance can be adjusted continuously.
- LCD displays test results. Easy to read.
- High precision sensor offers accurate measurement.

YEASN®