

DIGITAL REFRACTOR

CDR 9000



To make fast and accurate refraction test with convenience,
Phoropter with slim design can be the right answer.

Fulfill more precise exam with various vision tests covering basic to more sophisticated ones. Luxurious design and intuitive graphic interface meet the highest requirement of aesthetic and functional comfort



Powerful cross cylinder lens

- The dual cross cylinder lens makes fast & convenient examinations.
- Automatic occluding function prevents examinee's eye from accommodation, while the lens is rotating over 45 degrees or test mode is changing.



Test process programming

Maximum 10 customized test processes can be programmed and saved with the detailed setting of unit test charts conversion, auxiliary lens inserting fogging, chart masking, etc



Real time guide

Graphical representation displayed on screen guides you to make easier and faster refraction in real time



Displaying the result in tables and graphics

Test results are shown in tables and graphics helps to understand easier and faster



Various image clips

Color blindness test, Amsler's Grid and many other kinds of near vision charts are provided for more perfect test. Various image clips including progressive lens guide, diagram of an eye & refraction support better understanding for customers.



Touch screen & Multi function jog dial

Touch screen interface offers intuitive guide with great convenience for operation. Multi-function Jog dial assists fast convenient lens loading and execution of programs



SPECIFICATION

MEASUREMENT RANGE

	-29.00~+26.75D (Regular)
Spherical Lens	-19.00~+16.75D (Cross Cylinder or Prism test) (0.12D / 0.25D / 0.5D / 1.0D / 2.0D / 3.0D / 4.0D increments)
Cylinder Lens	0.00~±8.75D (0.25D / 0.5D / 1D / 2D / 3D increments)
Cylinder Axis	0°~180° (1° / 5° / 15° increments)
PD	48~80mm (0.5 / 1mm increments) Near working distance : 35~70cm
Rotary Prism	0 ~ 20 Δ (0.1 Δ / 0.2 Δ / 0.5 Δ / 1 Δ / 2 Δ increments)
Cross Cylinder	±0.25D, ±0.50D, ±0.25D Dual Cross Cylinder (Split prism lens)
Retinoscope	+1.5D, +2.0D (Measurement Distance 67cm, 50cm)

AUXILIARY LENS

Pin Hole Lens	Ø 1mm
Madox Rode	Right Eye(Red, Horizontal), Left Eye(Red, Vertical)
Red / Green Filter	Right Eye(Red), Left Eye(Green)
Polarizing Filter	Right Eye : (135° , 45°) Left Eye : (45° , 135°)
Split Prism	Right Eye (6Δ BU) Left Eye (10Δ BI : up to 5Δ complement)
Fixed Cross Cylinder	(±0.50D, Fixed with the axis set at 90°)

DIMENSION

Refractor	361(W) x 108(D) x 280(H) mm / 4.7 kg
Controller	216(W) x 246(D) x 225(H) mm / 1.89kg (Printer included)
Junction Box	251(W) x 240(D) x 71(H) mm / 1.88kg
Power supply	AC 100-120V / AC 220-240V 50 / 60Hz
Power consumption	145VA

Designs and details can be changed without prior notice for the purposes of improvement.

