



NORWOOD DIGITAL REFRACTOR

NDR-7000

NDR-7000 SPECIFICATIONS

MEASUREMENT RANGE	
SPHERICAL LENS	-29.00 ~ +26.75D (Regular) -19.00 ~ +16.75D (Cross Cylinder or Prism Test)(0.12D/0.25D/0.5 D/1D/2D/3D/4D Increments)
CYLINDER LENS	0.00 ~ ± 8.75D (.25D/.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 ~ 20Δ (0.1Δ /0.2Δ /0.5Δ /1Δ /2Δ Increments)
CROSS CYLINDER	+0.25D/ +0.50D/ +0.25 Dual Cross Cylinder (Split Prism Lens)
RETINOSCOPE	+1.5D, +2.0D (Measurement Distance 67cm, 50cm)
AUXILIARY LENS	
PIN HOLE LENS	ϕ 1mm
MADOX ROD	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°)
DIMENSIONS	
PHOROPTER	14.25 (W) x 4.25 (D) x 11 (H) inches/ 10.5 lbs.
CONTROLLER	8.5 (W) x 9.75 (D) x 9 (H) inches/ 4 lbs. (Printer included)
JUNCTION BOX	10 (W) x 9.5 (D) x 3 (H) inches/ 4 lbs.
POWER SUPPLY	AC 100-120V/ AC 200-240V 50/60Hz
POWER CONSUMPTION	145VA

NORWOOD NDR-7000 Features

Dual Cross Cylinder Lens

Dual cross cylinder lens makes for fast & convenient examinations.

Automatic Occlusion

Automatic occluding function prevents accommodation while test mode is changing or lens is rotating over 45 degrees

Automatic Convergence

During near vision acuity test the automatic convergence function makes the examinees gaze focus toward the center of the refractor lenses assuring a precise test.

Working Distance: 35-70 cm

Available Near PD: 50-74 mm

Customized Programming

Up to 10 customized test processes can be programmed and saved with the detailed settings of unit test conversion, auxiliary lens fogging, chart masking, etc.

Real Time Display

Graphical representations display on screen guides, as well as tables with test results

Various Charts, Test and Image Clips

Multiple Test Charts, including Color Blindness test, Amsler's Grid, and pediatric charts

Various image clips including progressive lens guide and diagram of the eye & refraction to support better customer understanding

Tilting and Swivel LCD Panel

Tilting and swivel LCD panel makes it possible to share the displayed information in any direction or angle.

Multi-function Jog Dial

Multi-function jog dial assists fast and convenient lens loading and execution of programs

Forehead Rest Indicator Light

Light illuminates when patient is properly positioned against the forehead rest

Vision Comparison Function

The internal chart provides the vision comparison of current vision and corrected vision

EHR Ready!

Supports data output to any EHR through .jpg, .pdf file format or auto populated format.

The NORWOOD Digital Refractor NDR-7000 is part of the NORWOOD Digital System (NDS) which is a total, integrated system and is EMR compatible!