NORWOOD
DEVICE & DIAGNOSTICS

NORWOOD DIGITAL REFRACTOR

NDR-9000

NORWOOD DIGITAL REFRACTOR *NDR-9000*

KEY FEATURES

NDR-9000 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 2mm
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	
DIGITAL REFRACTOR	12.9 (W) x 4.1 (D) x 11.6 (H) inches/ 9.3 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	100-240V AC 50/60Hz

NORWOOD NDR-9000 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

21 Point Exam Package

This removes the complex knowledge or experience and now everyone can perform refraction easily

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

Wireless Communication

This allows for socially distance digital refraction. This ensures higher patient comfort and security during the exam.

EHR Ready!

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

The NORWOOD Digital Refractor NDR-9000 is part of the NORWOOD Digital System (NDS) which is a total, integrated system and is EMR compatible!

NORWOOD DEVICE & DIAGNOSTICS

Your Norwood Representative:

contact us to learn more!
customerservice@nvisiongroupusa.com

Norwood Device & Diagnostics
15556 Summit Park Dr Ste. 601
Montgomery, Tx 77356

www.norwoodvision.com

Phone (toll free): 855.370.1900
Fax: 484.472.6741