

Vision  
**Assessment**  
Corporation <sup>TM</sup>

# 2022 Product Catalog

Instruments for Accurately & Rapidly Assessing Vision

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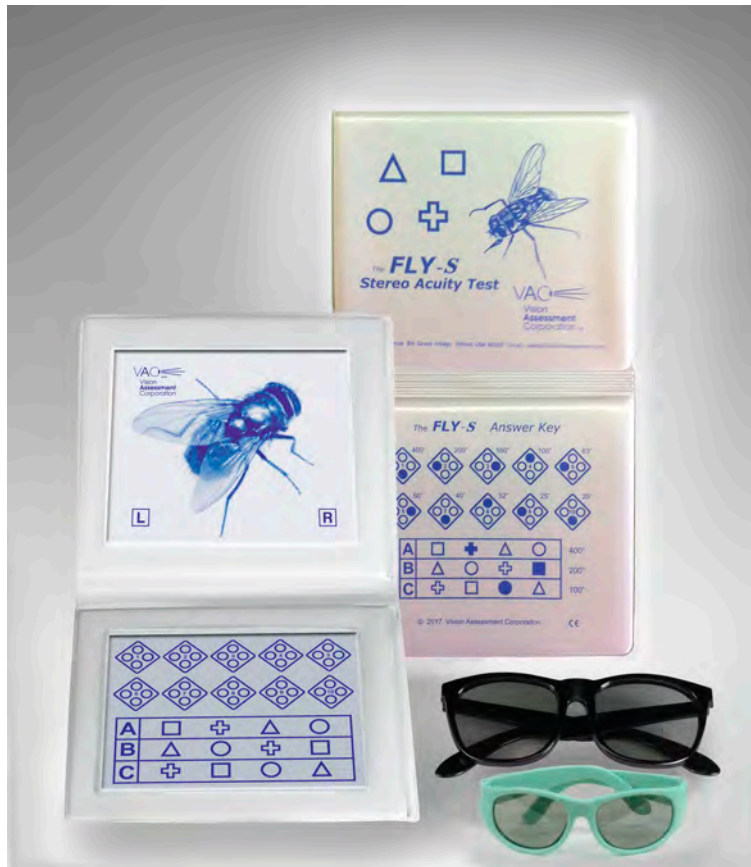
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### **Ordering Information**



# FLY-S Stereo Acuity Test



P/N 1000S

- ❖ Rapid test for amblyopia & strabismus using gross thru fine stereopsis
- ❖ Traditional Fly image for testing gross stereopsis (4800 seconds of arc)
- ❖ Graded Circle Test from 400 seconds down to 20 seconds of arc
- ❖ Shapes for testing children at 400, 200 & 100 seconds of arc
- ❖ New technology eliminates monocular clues
- ❖ Answer Key on back cover
- ❖ Includes: Manual and both Pediatric & Standard Polarized Viewers



# Random Dot-S Stereo Acuity Test



P/N 1005S

- ❖ Rapid test for amblyopia & strabismus in early & non-readers and non-verbal children & adults
- ❖ Expanded Shape Test (500, 250, 125 & 63 seconds of arc)
- ❖ Graded Circle Test from 400 seconds NOW down to 12.5 seconds of arc
- ❖ Shapes for testing children at 400, 200 & 100 seconds of arc
- ❖ New technology eliminates monocular clues
- ❖ Answer Key on back cover
- ❖ Includes: Manual and both Pediatric & Standard Polarized Viewers

# Random Dot Distance Test



P/N 1006

- ❖ 3 meter testing distance for Intermittent Exotropia
- ❖ Forced Choice Methodolgy
- ❖ Stereopsis levels of: 400, 200, 100 and 63 seconds of arc with matching Blank card and Demonstation Card
- ❖ Random Dot Pattern with no monocular clues
- ❖ Includes: Manual, Adult & Pediatric Polarized Viewers and Carrying Case

# Random Dot 2-S Stereo Acuity Test



P/N 1007S

- ❖ Rapid test for amblyopia & strabismus in early & non-readers and non-verbal children & adults
- ❖ Expanded Random Dot Shape Test (500, 250, 125 seconds of arc)
- ❖ Graded Circle Test from 400 seconds NOW down to 12.5 seconds of arc
- ❖ Shapes for testing children at 400, 200 & 100 seconds of arc
- ❖ Imprinted Shape images inside booklet cover for matching
- ❖ New technology eliminates monocular clues
- ❖ Answer Key on back cover
- ❖ Includes: Manual and both Pediatric & Standard Polarized Viewers

# Random Dot 3-S Stereo Acuity Test



P/N 1009S

- ❖ Random Dot Shapes & Symbols for testing extra fine stereo discrimination (depth perception)
- ❖ Rapid test for amblyopia & strabismus in adults, early & non-readers and non-verbal children & adults
- ❖ Expanded Random Dot Shapes for testing gross disparity (900, 650, 500 & 400 seconds of arc)
- ❖ Random Dot Circle Test for critical testing from 160 seconds to 12.5 seconds of arc
- ❖ Random Dot Shapes for testing children at 400, 200 & 100 seconds of arc
- ❖ New technology eliminates monocular clues
- ❖ Answer Key on back cover
- ❖ Includes: Manual and both Pediatric & Standard Polarized Viewers

# Butterfly-S Stereo Acuity Test



P/N 1010S

- ❖ Rapid test for amblyopia & strabismus using gross thru fine stereopsis
- ❖ Random Dot Butterfly image for testing gross stereopsis (2000 seconds of arc)
- ❖ Graded Circle Test from 400 seconds down to 20 seconds of arc
- ❖ Shapes for testing children at 400, 200 & 100 seconds of arc
- ❖ New technology eliminates monocular clues
- ❖ Answer Key on back cover
- ❖ Includes: Manual and both Pediatric & Standard Polarized Viewers



# PASS Test™ 1

## Pediatric Assessment of Stereopsis with a Smile



P/N 1011

- ❖ Rapid Stereopsis Test for children & non-readers
- ❖ Basic Screening (Pass/Fail)
- ❖ 3 Cards (720 seconds of arc, Demo & Blank)
- ❖ Includes: Manual and Pediatric & Intermediate Polarized Viewers
- ❖ *Carrying Case available (Sold separately)*

# PASS Test™ 2

## Pediatric Assessment of Stereopsis with a Smile



P/N 1012

- ❖ Rapid Stereopsis Test for children & non-readers
- ❖ School Screening
- ❖ 4 Cards (480", 240", Demo & Blank)
- ❖ Includes: Manual, Pediatric & Intermediate Polarized Viewers and Carrying Case

Vision Assessment Corporation would like to express its appreciation to Dr. Elise B. Ciner and the Vision in Preschoolers Study Group for their help in the design and development of this test.

As adapted from the Vision in Preschoolers (VIP) Study (sponsored by the National Eye Institute of the National Institutes of Health of the Department of Health and Human Services).

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# PASS Test™ 3

## Pediatric Assessment of Stereopsis with a Smile



P/N 1013

- ❖ Rapid Stereopsis Test for children & non-readers
- ❖ Quantitative Assessment
- ❖ 6 Cards (480", 240", 120", 60", Demo & Blank)
- ❖ Includes: Manual, Pediatric & Intermediate Polarized Viewers and Carrying Case

Vision Assessment Corporation would like to express its appreciation to Dr. Elise B. Ciner and the Vision in Preschoolers Study Group for their help in the design and development of this test.

As adapted from the Vision in Preschoolers (VIP) Study (sponsored by the National Eye Institute of the National Institutes of Health of the Department of Health and Human Services).

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# PASS Test™ Carrying Case

## Pediatric Assessment of Stereopsis with a Smile



P/N 1014

- ❖ Protective 3 pocket Carrying Case with Velcro closure designed for use with PASS Tests 1, 2 & 3
- ❖ 2 pockets; 1 each for Pediatric Polarized Viewer & Intermediate Polarized Viewer
- ❖ 1 pocket for PASS Cards (Holds 6 Cards)
- ❖ *Included with PASS Test 2 & PASS Test 3*

# Random Dot E Depth Perception Test



P/N 1015

- ❖ Rapid test for amblyopia & strabismus in early & non-readers and non-verbal children & adults
- ❖ Basic Screening (Pass/Fail)
- ❖ 3 Cards (E Target, Demo & Blank)
- ❖ New technology eliminates monocular clues
- ❖ Durable test frames
- ❖ Includes: Manual and both Pediatric & Standard Polarized Viewers

# Polarized 3-D Viewers

## Standard, Intermediate & Pediatric



P/N 1030

### **Standard 3-D Polarized Viewer**

- ❖ Adult size frame (Black)
- ❖ Designed for use in conjunction with Polarized Stereopsis Tests, Polarized Variable Vectographs & Polarized Vectographic Targets for viewing three-dimensional images
- ❖ Sold 5/package (*Can be purchased individually from Vision Assessment Corporation distributors*)

P/N 1032

### **Intermediate 3-D Polarized Viewer**

- ❖ Medium size frame (Blue)
- ❖ Designed for use in conjunction with Polarized Stereopsis Tests, Polarized Variable Vectographs & Polarized Vectographic Targets for viewing three-dimensional images
- ❖ Sold individually

P/N 1031

### **Pediatric 3-D Polarized Viewer**

- ❖ Small size frame (Green)
- ❖ Rubberized frame with increased flexibility for ease of placing viewers on children
- ❖ Designed for use in conjunction with Polarized Stereopsis Tests, Polarized Variable Vectographs & Polarized Vectographic Targets for viewing three-dimensional images
- ❖ Sold individually

# Racetrack Polarized Variable Vectograph



## P/N 1040

- ❖ Vision Therapy System for use in a doctor's office and/or for use by the patient at home to help prevent patient regression between office visits
- ❖ Three-dimensional Balloon images used to strengthen the binocularity system and to provide Base-In & Base-Out training
- ❖ Racetrack images float above, even & below Vectograph
- ❖ Range of 9,000 seconds of arc stereopsis depth
- ❖ Lettered flags for additional word creating exercises at varying depths
- ❖ Total accommodation range of 40 diopters
- ❖ Includes: Protective Therapy Binder with pen, Doctor and Patient Manuals, Therapy Record Form & Standard Polarized Viewer



# Planets

## Polarized Variable Vectograph



### P/N 1041

- ❖ Vision Therapy System for use in a doctor's office and/or for use by the patient at home to help prevent patient regression between office visits
- ❖ Three-dimensional Solar System image used to strengthen the binocularity system and to provide Base-In & Base-Out training
- ❖ Standard suppression check using L & R
- ❖ Additional suppression check using constellation images
- ❖ Provides wider range of stereopsis depth at 10,500 seconds of arc
- ❖ Total accommodation range of 40 diopters
- ❖ Includes: Protective Therapy Binder with pen, Doctor and Patient Manuals, Therapy
- ❖ Record Form & Standard Polarized Viewer

# Chessboard Polarized Variable Vectograph



## P/N 1042

- ❖ Vision Therapy System for use in a doctor's office and/or for use by the patient at home to help prevent patient regression between office visits
- ❖ Advanced therapy tool using three-dimensional chess piece images to further strengthen the binocularity system and to provide Base-In & Base-Out training
- ❖ Traditional Suppression check using L & R
- ❖ Additional suppression check using chess pieces
- ❖ Range of 6,300 seconds of arc stereopsis depth
- ❖ Total accommodation range of 40 diopters
- ❖ Includes: Protective Therapy Binder with pen, Doctor and Patient Manuals, Therapy Record Form & Standard Polarized Viewer

# Fruit Bowl Polarized Variable Vectograph



## P/N 1043

- ❖ Vision Therapy System for use in a doctor's office and/or for use by the patient at home to help prevent patient regression between office visits
- ❖ Three-dimensional Fruit images used to strengthen the binocularity system and to provide Base-In & Base-Out Training
- ❖ Traditional suppression check using L & R
- ❖ Additional suppression check using fruit images
- ❖ Fruit images arranged above, below and even with the Vectograph
- ❖ Range of 3,000 seconds of arc stereopsis depth
- ❖ Total accommodation range of 40 diopters
- ❖ Includes: Protective Therapy Binder with pen, Doctor and Patient Manuals, Therapy
- ❖ Record Form & Standard Polarized Viewer

# Sports Polarized Variable Vectograph



## P/N 1044

- ❖ Vision Therapy System for use in a doctor's office and/or for use by the patient at home to help prevent patient regression between office visits
- ❖ Three-dimensional Sports images used to strengthen the binocularity system and to provide Base-In & Base-Out training
- ❖ Suppression check using tennis ball images
- ❖ Range of 5,000 seconds of arc stereopsis depth
- ❖ Total accommodation range of 40 diopters
- ❖ Includes: Protective Therapy Binder with pen, Doctor and Patient Manuals, Therapy Record Form & Standard Polarized Viewer



# Bicycles Polarized Variable Vectograph



## P/N 1045

- ❖ Vision Therapy System for use in a doctor's office and/or for use by the patient at home to help prevent patient regression between office visits
- ❖ Three-dimensional images used to strengthen the binocularity system
- ❖ Offers equal accommodative demand for Base-in and/or Base-out training
- ❖ Utilizes images to produce a SILO Effect as an additional feedback tool for patient performance SILO, an acronym for Small In Large Out, refers to the change of the perceived size of an image that a patient experiences while maintaining fusion when convergence or divergence is varied.
- ❖ Range of 4,600 seconds of arc stereopsis depth
- ❖ Total accommodation range of 40 diopters
- ❖ Includes: Protective Therapy Binder with pen, Doctor and Patient Manuals, Therapy Record Form & Standard Polarized Viewer

# Mr. Egg Polarized Variable Vectograph



## P/N 1046

- ❖ Vision Therapy System for use in a doctor's office and/or for use by the patient at home to help prevent patient regression between office visits
- ❖ Three-dimensional images used to strengthen the binocularity system and to provide Base-In & Base-Out training
- ❖ Range of 8,000 seconds of arc stereopsis depth
- ❖ Letters floating at different depths allows for multiple therapy exercise options
- ❖ Total accommodation range of 40 diopters
- ❖ Includes: Protective Therapy Binder with pen, Doctor and Patient Manuals, Therapy Record Form & Standard Polarized Viewer

# Pumpkin Patch Polarized Variable Vectograph



## P/N 1047

- ❖ Vision Therapy System for use in a doctor's office and/or for use by the patient at home to help prevent patient regression between office visits
- ❖ Three-dimensional Pumpkin Patch image used to strengthen the binocularity system and to provide Base-In & Base-Out training
- ❖ Real life image for true world binocular experience
- ❖ Range of 23,400 seconds of arc stereopsis depth
- ❖ Total accommodation range of 40 diopters
- ❖ Includes: Protective Therapy Binder with pen, Doctor and Patient Manuals, Therapy Record Form & Standard Polarized Viewer

# Pool Balls

## Polarized Variable Vectograph



### P/N 1048

- ❖ Vision Therapy System for use in a doctor's office and/or for use by the patient at home to help prevent patient regression between office visits
- ❖ Three-dimensional Pool Ball images used to strengthen the binocularity system, to provide Base-In & Base-Out training
- ❖ Suppression check using pool balls
- ❖ Numbered pool balls arranged above, below and even with the Vectograph
- ❖ Range of 7,350 seconds of arc stereopsis depth
- ❖ Total accommodation range of 40 diopters
- ❖ Includes: Protective Therapy Binder with pen, Doctor and Patient Manuals, Therapy Record Form & Standard Polarized Viewer

# Pool Table Polarized Variable Vectograph



## P/N 1049

- ❖ Vision Therapy System for use in a doctor's office and/or for use by the patient at home to help prevent patient regression between office visits
- ❖ Three-dimensional Pool Table image used to strengthen the binocularity system, to provide Base-In & Base-Out training
- ❖ Numbered pool balls arranged above, below and even with the Vectograph
- ❖ Range of 14,365 seconds of arc stereopsis depth
- ❖ Total accommodation range of 40 diopters
- ❖ Includes: Protective Therapy Binder with pen, Doctor and Patient Manuals, Therapy Record Form & Standard Polarized Viewer



# Dartboard Polarized Variable Vectograph



P/N 1051

- ❖ Vision Therapy System for use in a doctor's office and/or for use by the patient at home to help prevent patient regression between office visits
- ❖ Three-dimensional Dartboard image used to strengthen the binocularity system and to provide Base-In & Base-Out training
- ❖ Darts arranged above, even and below the Vectograph at varying depths
- ❖ Range of 9,445 seconds of arc stereopsis depth
- ❖ Total accommodation range of 40 diopters
- ❖ Includes: Protective Therapy Binder with pen, Doctor and Patient Manuals, Therapy Record Form & Standard Polarized Viewer

# Balloon Polarized Variable Vectograph



## P/N 1052

- ❖ Vision Therapy System for use in a doctor's office and/or for use by the patient at home to help prevent patient regression between office visits
- ❖ Three-dimensional Balloon images used to strengthen the binocularity system and to provide Base-In & Base-Out training
- ❖ Balloon images float above, even & below Vectograph
- ❖ Range of 2,450 seconds of arc stereopsis depth
- ❖ Balloons identified numerically for universal recognition
- ❖ Numbered balloons for additional counting exercises at varying depths
- ❖ Total accommodation range of 40 diopters
- ❖ Includes: Protective Therapy Binder with pen, Doctor and Patient Manuals, Therapy Record Form & Standard Polarized Viewer

# Bookshelf

## Polarized Variable Vectograph



### P/N 1053

- ❖ Vision Therapy System for use in a doctor's office and/or for use by the patient at home to help prevent patient regression between office visits
- ❖ Three-dimensional Bookshelf images used to strengthen the binocularity system, to provide Base-In & Base-Out training
- ❖ Range of 3,050 seconds of arc stereopsis depth
- ❖ Total accommodation range of 40 diopters
- ❖ Includes: Protective Therapy Binder with pen, Doctor and Patient Manuals, Therapy Record Form & Standard Polarized Viewer



# Aquarium Polarized Variable Vectograph



## P/N 1054

- ❖ Vision Therapy System for use in a doctor's office and/or for use by the patient at home to help prevent patient regression between office visits
- ❖ Three-dimensional underwater Aquarium images used to strengthen the binocularity system, to provide Base-In & Base-Out training
- ❖ Range of 1,900 seconds of arc stereopsis depth
- ❖ Total accommodation range of 40 diopters
- ❖ Includes: Protective Therapy Binder with pen, Doctor and Patient Manuals, Therapy Record Form & Standard Polarized Viewer

# Vortex

## Polarized Variable Vectograph



### P/N 1055

- ❖ Vision Therapy System for use in a doctor's office and/or for use by the patient at home to help prevent patient regression between office visits
- ❖ Three-dimensional Vortex image used to strengthen the binocularity system and to provide Base-In & Base-Out training
- ❖ Range of 6,100 seconds of arc stereopsis depth
- ❖ Letters' orientation to Vortex image (above, below & even with the image) at +/- 600 seconds of arc
- ❖ Total accommodation range of 40 diopters
- ❖ Includes: Protective Therapy Binder with pen, Doctor and Patient Manuals, Therapy Record Form & Standard Polarized Viewer

# Chain Polarized Variable Vectograph



## P/N 1056

- ❖ Vision Therapy System for use in a doctor's office and/or for use by the patient at home to help prevent patient regression between office visits
- ❖ Three-dimensional Chain image used to strengthen the binocularity system, to provide Base-In & Base-Out training and to provide the patient with an introduction to peripheral binocular experiences
- ❖ Total accommodation range of 40 diopters
- ❖ Includes: Protective Therapy Binder with pen, Doctor and Patient Manuals, Therapy Record Form & Standard Polarized Viewer

# Teddy Bear Polarized Variable Vectograph



P/N 1057

- ❖ Vision Therapy System for use in a doctor's office and/or for use by the patient at home to help prevent patient regression between office visits
- ❖ Three-dimensional Teddy Bear & Blocks image used to strengthen the binocularity system and to provide Base-In & Base-Out training
- ❖ Range of 2,600 seconds of arc stereopsis depth
- ❖ Teddy Bear & Blocks orientation to Vectograph (above, below & even with the Vectograph) at +30 to +1500 seconds of arc & -25 to -1100 seconds of arc
- ❖ Suppression Check using Blocks images (One group of Blocks is Monocular Left Eye only & one group of Blocks is Monocular Right Eye only)
- ❖ Total accommodation range of 40 diopters
- ❖ Includes: Protective Therapy Binder with pen, Doctor and Patient Manuals, Therapy Record Form & Standard Polarized Viewer

# Frog Polarized Variable Vectograph



## P/N 1058

- ❖ Vision Therapy System for use in a doctor's office and/or for use by the patient at home to help prevent patient regression between office visits
- ❖ Three-dimensional Frog image used to strengthen the binocularity system, to provide Base-In & Base-Out training and to provide the patient with an introduction to peripheral binocular experiences
- ❖ Can be used in conjunction with Chain Variable Vectograph (P/N 1056) or Gem Variable Vectograph (P/N 1060) to add additional depth to the three-dimensional images
- ❖ Range of 5,285 seconds of arc stereopsis depth
- ❖ Total accommodation range of 40 diopters
- ❖ Includes: Protective Therapy Binder with pen, Doctor and Patient Manuals, Therapy Record Form & Standard Polarized Viewer

# Popcorn Polarized Variable Vectograph



## P/N 1059

- ❖ Vision Therapy System for use in a doctor's office and/or for use by the patient at home to help prevent patient regression between office visits
- ❖ Three-dimensional Popcorn images used to strengthen the binocularity system and to provide Base-In & Base-Out training
- ❖ Popcorn images float above, even & below Vectograph
- ❖ Range of 2,000 seconds of arc stereopsis depth
- ❖ Letter acuity of 20/100 for additional exercises to create/spell words using letters at varying depths
- ❖ Total accommodation range of 40 diopters
- ❖ Includes: Protective Therapy Binder with pen, Doctor and Patient Manuals, Therapy Record Form & Standard Polarized Viewer



# Gem Polarized Variable Vectograph



## P/N 1060

- ❖ Vision Therapy System for use in a doctor's office and/or for use by the patient at home to help prevent patient regression between office visits
- ❖ Three-dimensional Gem image used to strengthen the binocularity system, to provide Base-In & Base-Out training and to provide the patient with an introduction to peripheral binocular experiences
- ❖ 5 layer Gem image with a range of 700 seconds of arc stereopsis depth
- ❖ Total accommodation range of 40 diopters
- ❖ Includes: Protective Therapy Binder with pen, Doctor and Patient Manuals, Therapy Record Form & Standard Polarized Viewer
- ❖ *Also included in the Binocular Vision Dysfunction Diagnostic & Treatment System (P/N 1070PL) a part of the hierarchical system of Vectographs*

# Gem-PL

## Polarized Variable Vectograph



### P/N 1060-PL

- ❖ Vision Therapy System for use in a doctor's office and/or for use by the patient at home to help prevent regression between office visits
- ❖ Three-dimensional Gem image used to strengthen the binocularity system, to provide Base-In & Base-Out training and to provide a peripheral cue to aid alignment of the more central Fixation Disparity Target
- ❖ Two-dimensional Fixation Disparity Target with Central Fusion Lock helps relate binocular alignment to accommodation (clarity of the target)
- ❖ 5 layer Gem image with a range of stereopsis depth of 700 seconds of arc
- ❖ Total accommodation range of 40 diopters
- ❖ Includes: Protective Therapy Binder with pen, Doctor and Patient Manuals, Therapy Record Form & Standard Polarized Viewer
- ❖ *Also included in the Binocular Vision Dysfunction Diagnostic & Treatment System (P/N 1070PL) a part of the hierarchical system of Vectographs*



# GemPL-NFL

## Polarized Variable Vectograph



### P/N 1060PL-NFL

- ❖ Vision Therapy System for use in a doctor's office and/or for use by the patient at home to help prevent regression between office visits
- ❖ Three-dimensional Gem image used to strengthen the binocularity system, to provide Base-In & Base-Out training and to provide a peripheral cue to aid alignment of the more central two-dimensional Fixation Disparity Target with No Fusion Lock
- ❖ Emphasizes the power of engaging the periphery and its leverage on divergence by shifting the Fusion Lock from the central Fixation Disparity "E circle lock" (as in the Gem-PL) to the peripheral Gem image
- ❖ 5 layer Gem image with a range of stereopsis depth of 700 seconds of arc
- ❖ Total accommodation range of 40 diopters
- ❖ Includes: Protective Therapy Binder with pen, Doctor and Patient Manuals, Therapy Record Form & Standard Polarized Viewer
- ❖ *Also included in the Binocular Vision Dysfunction Diagnostic & Treatment System (P/N 1070PL) a part of the hierarchical system of Vectographs*

# Variable Fixation Disparity Target Polarized Variable Vectograph



## P/N 1060PL-VFD

- ❖ Vision Therapy System for use in a doctor's office
- ❖ Two-dimensional Fixation Disparity Cross with Central Fusion Lock
- ❖ Lack of three-dimensional float (as provided by the Gem image in the Gem Vectographs) removes peripheral cues that help guide a patient's fusion response on the Fixation Disparity Cross
- ❖ Total accommodation range of 40 diopters
- ❖ Includes: Protective Therapy Binder with pen, Doctor Manual & Standard Polarized Viewer
- ❖ *Recommended as a follow-step to the Binocular Vision Dysfunction Diagnostic & Treatment System (P/N 1070PL) to ensure sufficient learning strategies were developed and can be transferred without the aid of the three-dimensional float provided by the Gem image on the Gem Vectographs*

# Large Saccadic Polarized Variable Vectograph



## P/N 1071PL-LS

- ❖ Vision Therapy System for use in a doctor's office and/or for use by the patient at home to help prevent regression between office visits
- ❖ Provides a therapeutic approach for reducing patients' symptoms related to their binocular dysfunction while improving their visual performance and reading efficiency
- ❖ Treatment Vectograph with four rows of saccadic Fixation Disparity Cross stimuli presented at a 20/100 acuity level, reflective of the visual demands of larger print books
- ❖ Fixation Disparity Target stimuli with Number Central Fusion Lock help relate binocular alignment to accommodation (clarity of the target)
- ❖ Total accommodation range of 40 diopters
- ❖ Includes: Protective Therapy Binder with pen, Doctor Manual & Standard Polarized Viewer
- ❖ *Also available with a higher acuity level using 20/63 target size to monitor visual, binocular & accommodative functions more reflective of reading demands at higher grade levels (smaller print books), Small Saccadic Polarized Variable Vectograph (P/N 1071PL-SS)*
- ❖ *Also included in the BASS-PL, Binocular Accommodative Saccadic Series PL, (P/N 1075PL) as one of the Treatment Vectographs*

# Small Saccadic Polarized Variable Vectograph



## P/N 1071PL-SS

- ❖ Vision Therapy System for use in a doctor's office and/or for use by the patient at home to help prevent regression between office visits
- ❖ Provides a therapeutic approach for reducing patients' symptoms related to their binocular dysfunction while improving their visual performance and reading efficiency
- ❖ Treatment Vectograph with five rows of saccadic Fixation Disparity Cross stimuli presented at a 20/63 acuity level to monitor visual, binocular & accommodative functions more reflective of reading demands at higher grade levels (smaller print books)
- ❖ Fixation Disparity Target stimuli with Number Central Fusion Lock help relate binocular alignment to accommodation (clarity of the target)
- ❖ Total accommodation range of 40 diopters
- ❖ Includes: Protective Therapy Binder with pen, Doctor Manual & Standard Polarized Viewer
- ❖ *Also available with larger targets at a 20/100 acuity level, reflective of the visual demands of larger print books, Large Saccadic Polarized Variable Vectograph (P/N 1071PL-LS)*
- ❖ *Also included in the BASS-PL, Binocular Accommodative Saccadic Series PL, (P/N 1075PL) as one of the Treatment Vectographs*

# Near Fixation Disparity Polarized Target

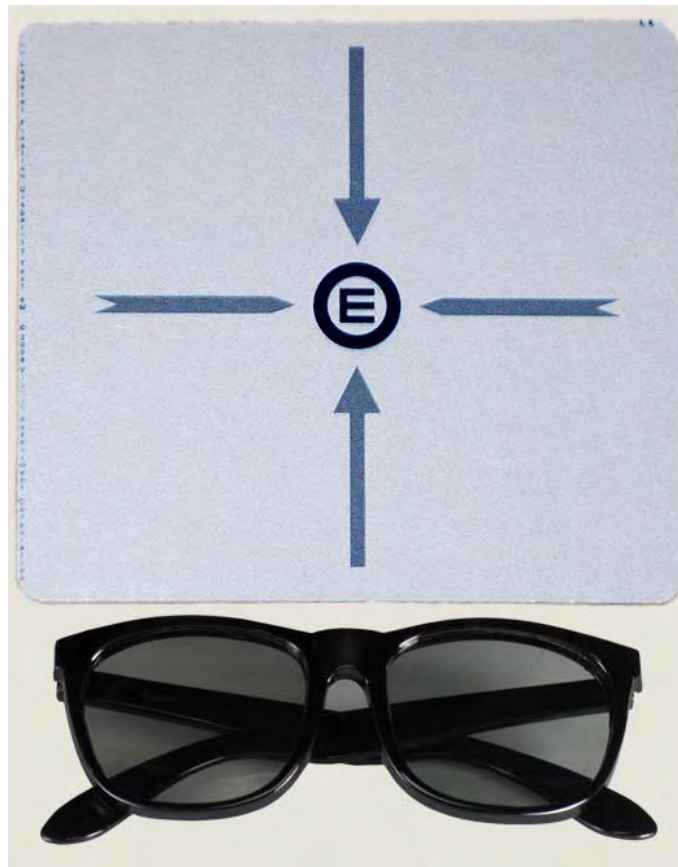


## P/N 1065-NFD

- ❖ Vectographic two-dimensional Fixation Disparity Cross with Central Fusion Lock for assessing Near Point of Fixation Disparity (NPF<sub>D</sub>) (50 inches / 127cm) & Associated Vergence Measures at Near (16 inches - 18 inches / 41cm - 46cm)
- ❖ Sensitive to suppression and measures vertical & horizontal binocular function
- ❖ A more sensitive indicator of the presence of a fixation disparity than a double image
- ❖ For use in free-space or behind a refractor
- ❖ Easy to administer & simple for patient to understand
- ❖ Includes: Manual & Standard Polarized Viewer
- ❖ *Also included in the Binocular Vision Dysfunction Diagnostic & Treatment System (P/N 1070PL)*



# Far Fixation Disparity Polarized Target



P/N 1065-FFD

- ❖ Vectographic two-dimensional Fixation Disparity Cross with Central Fusion Lock for assessing Far Point of Fixation Disparity & Associated Vergence Measures at Distance (20 feet / 6m)
- ❖ Sensitive to suppression and measures vertical & horizontal binocular function
- ❖ A more sensitive indicator of the presence of a fixation disparity than a double image
- ❖ Central Fusion Lock to test patients' ability to fuse images at distance
- ❖ For use in free-space or behind a refractor
- ❖ Easy to administer & simple for patient to understand
- ❖ Includes: Manual & Standard Polarized Viewer
- ❖ Also included in the *Binocular Vision Dysfunction Diagnostic & Treatment System (P/N 1070PL)*

# Small Fixation Disparity Polarized Target



## P/N 1071PL-SFD

- ❖ Vectographic two-dimensional card with 2 Fixation Disparity Crosses positioned vertical to one another to facilitate the comparison of binocular performance when using a lower versus higher spatial frequency or acuity demand
- ❖ Top Fixation Disparity Cross at 20/95 acuity level reflective of visual demands of larger print books and bottom Fixation Disparity Cross at 20/63 acuity level more reflective of reading demands at higher grade levels (smaller print books)
- ❖ Sensitive to suppression and measures vertical & horizontal binocular function for assessing Near Point of Fixation Disparity (NPF<sub>D</sub>) (50 inches / 127cm) & Associated Vergence Measures at Near (16 inches - 18 inches/ 41cm - 46cm)
- ❖ Two-dimensional Fixation Disparity Cross stimuli with E Central Fusion Lock help relate binocular alignment to accommodation (clarity of the target)
- ❖ Includes: Manual & Standard Polarized Viewer
- ❖ *Also available with bottom Fixation Disparity Cross at a 20/100 acuity level, Large Fixation Disparity Polarized Target (P/N 1071PL-LFD)*
- ❖ *Also included as one of the assessment tools in the BASS-PL, Binocular Accommodative Saccadic Series PL (P/N 1075PL)*

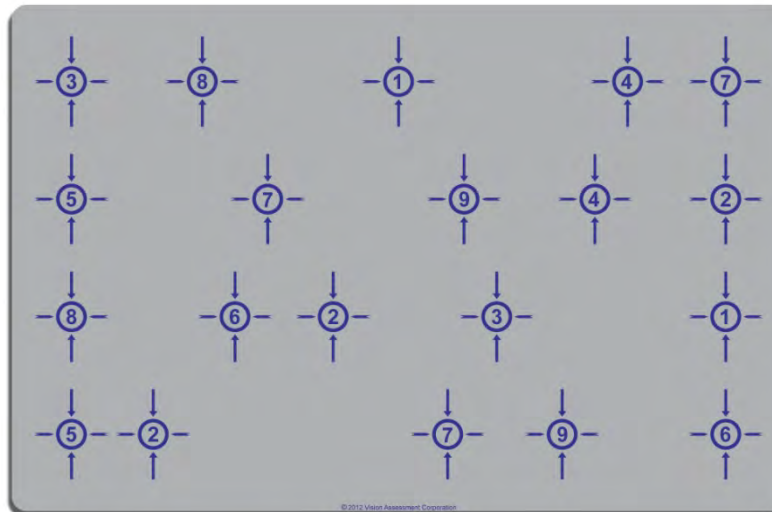
# Large Fixation Disparity Polarized Target



## P/N 1071PL-LFD

- ❖ Vectographic two-dimensional card with 2 Fixation Disparity Crosses positioned vertical to one another to introduce the new Fixation Disparity Cross design (bottom cross at 20/100 acuity level), as used as saccadic stimuli in the Binocular Accommodative Saccadic Series (BASS-PL), and to facilitate comparison to the standard Fixation Disparity Cross (top cross at 20/95 acuity level) as used in the Binocular Vision Dysfunction Diagnostic & Treatment System (P/N 1070PL)
- ❖ Sensitive to suppression and measures vertical & horizontal binocular function for assessing Near Point of Fixation Disparity (NPF<sub>D</sub>) (50 inches / 127cm) & Associated Vergence Measures at Near (16 inches - 18 inches / 41cm - 46cm)
- ❖ Two-dimensional Fixation Disparity Cross stimuli with E Central Fusion Lock help relate binocular alignment to accommodation (clarity of the target)
- ❖ Includes: Manual & Standard Polarized Viewer
- ❖ *Also available with bottom Fixation Disparity Cross at a 20/63 acuity level to facilitate the comparison of binocular performance when using a lower versus higher spatial frequency or acuity demand, Small Fixation Disparity Polarized Target (P/N 1071PL-SFD)*
- ❖ *Also included as one of the assessment tools in the BASS-PL, Binocular Accommodative Saccadic Series PL (P/N 1075PL)*

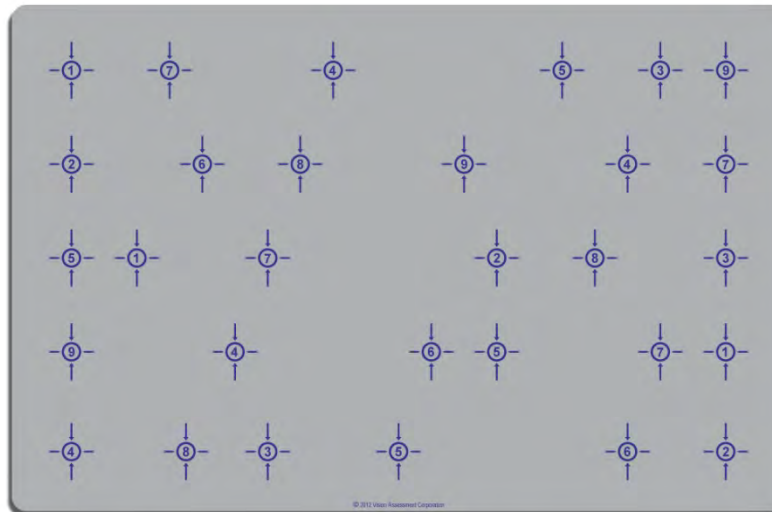
# Randomized Large Fixation Disparity Polarized Target



## P/N 1071PL-RL

- ❖ Assessment tool for measuring binocular/accommodative function during a saccadic eye movement task using a sequence of saccadic identification targets
- ❖ Vectographic silvered card with four rows of saccadic Fixation Disparity Cross stimuli presented with a 20/100 target size, reflective of the visual demands of larger print books
- ❖ Two-dimensional Fixation Disparity Cross stimuli with Number Central Fusion Lock help relate binocular alignment to accommodation (clarity of the target)
- ❖ Answer Key imprinted on back of card for checking number accuracy
- ❖ Includes: Manual & Standard Polarized Viewer
- ❖ *Also available with a higher acuity level using 20/63 target size to monitor visual, binocular & accommodative functions more reflective of reading demands at higher grade levels (smaller print books), Randomized Small Fixation Disparity Polarized Target (P/N 1071PL-RS)*
- ❖ *Corresponds to Large Saccadic Polarized Variable Vectograph (P/N 1071PL-LS) (Sold Separately, and also included as one of the assessment tools in the BASS-PL, Binocular Accommodative Saccadic Series PL, (P/N 1075PL)*

# Randomized Small Fixation Disparity Polarized Target



## P/N 1071PL-RS

- ❖ Assessment tool for measuring binocular/accommodative function during a saccadic eye movement task using a sequence of saccadic identification targets
- ❖ Vectographic silvered card with five rows of saccadic Fixation Disparity Cross stimuli presented with a 20/63 target size to monitor visual, binocular & accommodative functions more reflective of reading demands at higher grade levels (smaller print books)
- ❖ Two-dimensional Fixation Disparity Cross stimuli with Number Central Fusion Lock help relate binocular alignment to accommodation (clarity of the target)
- ❖ Answer Key imprinted on back of card for checking number accuracy
- ❖ Includes: Manual & Standard Polarized Viewer
- ❖ *Also available with larger targets at a 20/100 acuity level, reflective of the visual demands of larger print books, Randomized Large Fixation Disparity Polarized Target (P/N 1071PL-RL)*
- ❖ *Corresponds to Small Saccadic Polarized Variable Vectograph (P/N 1071PL-SS) (Sold Separately, and also included as one of the assessment tools in the BASS-PL, Binocular Accommodative Saccadic Series PL (P/N 1075PL)*



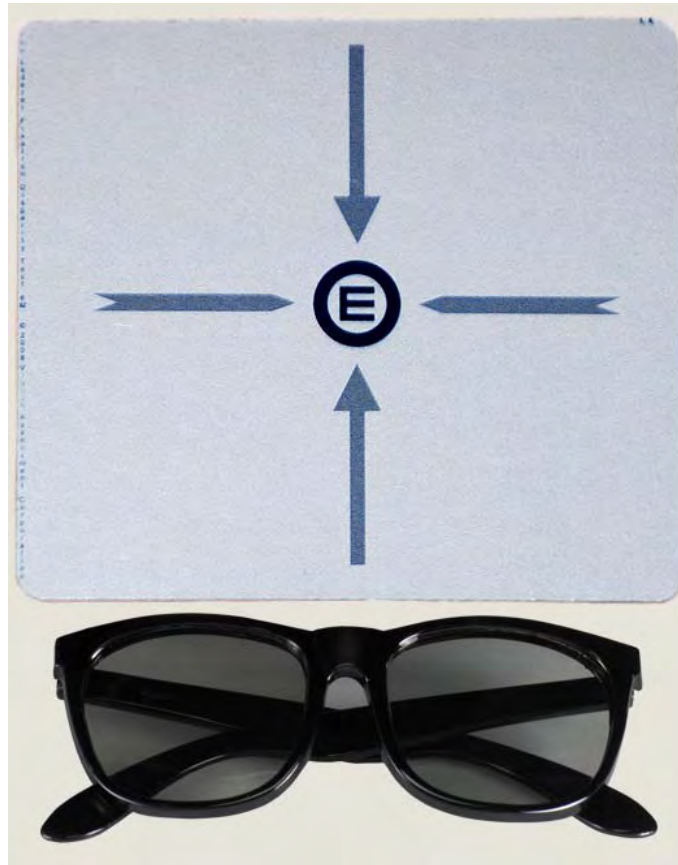
# Near Fixation Suppression Polarized Target



## P/N 1067-NFS

- ❖ Vectographic two-dimensional Fixation Disparity Cross with Central Fusion Lock for checking Suppression to ensure both eyes are working together at Near (16 inches - 18 inches / 41cm - 46cm)
- ❖ Lightly printed image, highly sensitive to suppression, for complete image cancelation for the eye not functioning properly
- ❖ Measures vertical & horizontal binocular function
- ❖ Central Fusion Lock to test patients' ability to fuse images at Near
- ❖ For use in free-space or behind a refractor
- ❖ Easy to administer & simple for patient to understand
- ❖ Includes: Manual and Standard Polarized Viewer

# Far Fixation Suppression Polarized Target



P/N 1067-FFS

- ❖ Vectographic two-dimensional Fixation Disparity Cross with Central Fusion Lock for checking Suppression to ensure both eyes are working together at Distance (20 feet / 6m)
- ❖ Lightly printed image highly sensitive to suppression for complete image cancelation for the eye not functioning properly
- ❖ Central Fusion Lock to test patients' ability to fuse images at Distance
- ❖ For use in free-space or behind a refractor
- ❖ Easy to administer & simple for patient to understand
- ❖ Includes: Manual & Standard Polarized Viewer

# Binocular Vision Dysfunction Diagnostic & Treatment System



P/N 1070-PL

- ❖ Vision Therapy System, consisting of diagnostic Fixation Disparity Targets & hierarchical system of treatment Vectographs, for identifying and treating binocular vision dysfunctions
- ❖ Near and Distance Polarized Fixation Disparity Targets
  - For assessment of Near Point of Fixation Disparity (NPF) and Associated Vergence Measures at Near and Distance
  - A more sensitive indicator of the presence of a fixation disparity than a double image
  - For use in free-space or behind refractor
- ❖ 3 Gem Polarized Variable Vectographs:
  - **Gem**: Provides an introduction to peripheral binocular experiences
  - **Gem-PL**: Helps relate binocular alignment to accommodation (clarity of the target) as peripheral cue from Gem images aids alignment of more central two-dimensional Fixation Disparity Target with Central Fusion Lock
  - **GemPL-NFL**: Emphasizes the power of engaging the periphery and its leverage on divergence by shifting the Fusion Lock from the Central Fixation Disparity “E circle lock” (as in the Gem-PL) to the peripheral Gem image
  - Total accommodation range of 40 diopters
- ❖ Includes: Protective Therapy Binder with pen, Doctor Manual & Standard Polarized Viewer
- ❖ Based on the paper *Confusion Inside Panum's Area* by Paul Lederer, OD, FCOVD, FAAO
- ❖ *Vectographs also sold as individual Vision Therapy Systems*
- ❖ *Fixation Disparity Targets also sold individually with Standard Polarized Viewer*

Vision Assessment Corporation would like to express its appreciation to Paul Lederer, OD, FCOVD, FAAO for his help in the design and development of this System. Dr. Lederer has no financial interest in the Binocular Vision Dysfunction Diagnostic & Treatment System (P/N 1070PL), Vision Assessment Corporation nor any of its products.  
[www.VisionAssessment.com](http://www.VisionAssessment.com)

# BASS-PL

## Binocular Accommodative Saccadic Series



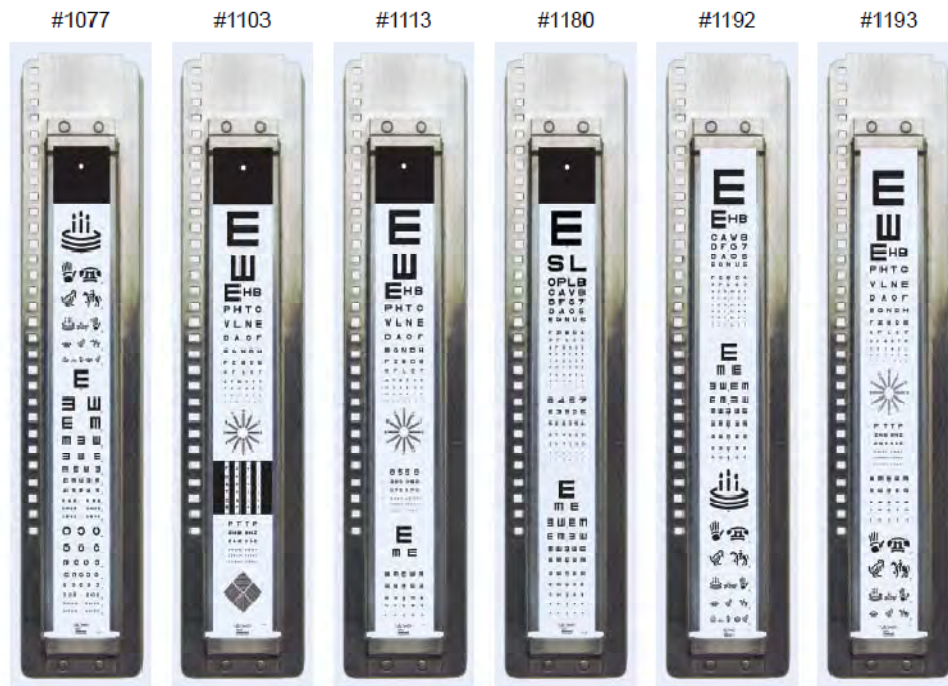
P/N 1075PL

- ❖ Vision Therapy System for improving patient visual performance and reading efficiency, consisting of diagnostic Fixation Disparity Targets and treatment Vectographs with saccadic identification targets at two different acuity levels
  - 20/100 - Visual demands of larger print books
  - 20/63 - Reading demands at higher grade levels (smaller print books)
- ❖ **Fixation Disparity Polarized Targets (2 cross targets) (Large & Small)**
  - Measures vertical & horizontal binocular function for assessment of Near Point of Fixation Disparity (NPF) & Associated Vergence Measures at Near
  - Facilitates comparison of binocular performance when using a lower versus higher spatial frequency or acuity demand
- ❖ **Randomized Fixation Disparity Polarized Targets (Large & Small)**
  - Measures binocular/accommodative function during a saccadic eye movement task using a sequence of saccadic identification targets with numbers as the Central Fusion Lock to help relate binocular alignment to accommodation (clarity of the target)
- ❖ **Saccadic Polarized Variable Vectographs (Large & Small)**
  - Mimics the Randomized Fixation Disparity Targets while allowing for the addition of Base-In and/or Base-out prism demand to provide a therapeutic approach for improving patients' awareness of their binocular alignment and accommodative control during a saccadic eye movement task
- ❖ Includes: Protective Therapy Binder with pen, Doctor Manual & Standard Polarized Viewer
- ❖ *Vectographs also sold as individual Vision Therapy Systems*
- ❖ *Fixation Disparity Polarized Targets also sold individually with Standard Polarized Viewer*

Vision Assessment Corporation would like to express its appreciation to Paul Lederer, OD, FCOVD, FAAO for his help in the design and development of this System. Dr. Lederer has no financial interest in the Binocular Accommodative Saccadic Series, BASS-PL (P/N 1075PL), Vision Assessment Corporation nor any of its products.  
[www.VisionAssessment.com](http://www.VisionAssessment.com)



# Projector Slides Standard



Designed for use in all Manual Chart Projectors including products from:  
AO, R.H. Burton, Marco, Reichert, Topcon & Woodland  
(Also available: Projector Slides with LEA Symbols/Numbers® & Vectographic Projector Slides)

## P/N 1077 Pediatric Acuity

- ❖ Allen Acuity 20/200 - 20/30 (6 Lines)
- ❖ Tumbling E 20/200 - 20/20 (11 Lines)
- ❖ Landolt C 20/200 - 20/20 (8 Lines)

## P/N 1103 Vergence - Acuity

- ❖ Tumbling E 20/400 - 20/200 (3 Lines)
- ❖ Sloan Letters 20/100 - 20/10 (14 Lines)
- ❖ Astigmatic Clock
- ❖ Vertical Lines for Vergence 20/40 - 20/10 (6 Lines)
- ❖ Sloan Letters 20/50 - 20/10 (6 Lines)
- ❖ Astigmatic Blocks

## P/N 1113 Astigmatism - Acuity

- ❖ Sloan Letters 20/300 - 20/10 (14 Lines)
- ❖ Astigmatic Clock
- ❖ Sloan Numbers 20/50 - 20/10 (6 Lines)
- ❖ Tumbling E 20/200 - 20/15 (7 Lines)

## P/N 1180 Adult Acuity

- ❖ Sloan Letters 20/400 - 20/10 (16 Lines)
- ❖ Sloan Numbers 20/70 - 20/10 (8 Lines)
- ❖ Tumbling E 20/200 - 20/15 (11 Lines)

## P/N 1192 Multi-Acuity

- ❖ Sloan Letters 20/400 - 20/15 (15 Lines)
- ❖ Tumbling E 20/200 - 20/25 (9 Lines)
- ❖ Allen Acuity 20/200 - 20/30 (6 Lines)

## P/N 1193 Family Practice

- ❖ Tumbling E 20/400 - 20/200 (3 Lines)
- ❖ Sloan Letters 20/100 - 20/10 (11 Lines)
- ❖ Astigmatic Clock
- ❖ Sloan Letters 20/50 - 20/10 (6 Lines)
- ❖ Tumbling E 20/50 - 20/15 (5 Lines)
- ❖ Allen Acuity 20/100 - 20/40 (4 Lines)





# Projector Slides Vectographic



- ❖ Designed for use in all Manual Chart Projectors including products from: AO, R.H. Burton, Marco, Reichert, Topcon & Woodland
- ❖ Requires refractor equipped with polarizing filters
- ❖ Grey high contrast screen (silvered projector screen) recommended for optimum performance
- ❖ *Also available: Standard Projector Slides & Projector Slides with LEA Symbols/Numbers®*

## P/N 1234 **ADULT Vectographic**

- ❖ Sloan Letters Monocular 20/100 - 20/15 (9 Lines)
- ❖ Astigmatic Clock
- ❖ Acuity Balance 20/30 - 20/20 (3 Lines)
- ❖ Acuity Suppression 20/40 - 20/25 (3 Lines)
- ❖ Sloan Letters Binocular 20/30 - 20/15 (4 Lines)
- ❖ Fixation Disparity (with/without Fusion Lock)
- ❖ Stereopsis 260 - 73 seconds of arc

## P/N 1246 **PEDIATRIC Vectographic**

- ❖ Tumbling E Monocular 20/100 - 20/15 (9 Lines)
- ❖ Acuity Balance 20/30 - 20/20 (3 Lines)
- ❖ Tumbling E Binocular 20/30 - 20/15 (4 Lines)
- ❖ Fixation Disparity (with Fusion Lock)
- ❖ Stereopsis 215 - 40 seconds of arc



# Ordering Information

Vision Assessment Corporation has distributors throughout the US and the World.

To request contact information for the VAC distributor nearest you,

Please email [sales@VisionAssessment.com](mailto:sales@VisionAssessment.com)

or visit [www.VisionAssessment.com](http://www.VisionAssessment.com)

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