## INSTRUCTIONS

Thank you for purchasing the Vision Assessment Corporation Large Saccadic Polarized Variable Vectograph Vision Therapy System, P/N 1071PL-LS.

## PURPOSE

Large Saccadic Targets at a 20/100 acuity level, reflective of the visual demands of larger print books, are used to monitor visual binocular and accommodation functions, strengthen the binocularity system and provide base-in and/or base-out training during a saccadic eye movement task.

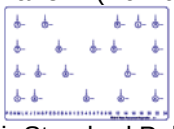
## FAMILIARIZE YOURSELF WITH THE VECTOGRAPH

- Polarized Variable Vectograph Vision Therapy System consists of:
  1. 1 Therapy Binder

     
     
  2. 1 Guide

     
  3. 2 Vectographic Panels
     - Panel 1 (Blue Bar at Bottom)

       
     - Panel 2 (Numbers/Letters at Bottom)

       
  4. 1 Pair Standard Polarized Viewers

     
     *(NOT TO BE USED AS SUNGLASSES)*
  5. Instruction Manual with Pen

## TESTING CONDITIONS

- Well-lit, glare-free area
- If reflections or glare on the Vectograph can be seen, try tilting it or choose another testing location.

## ADMINISTRATION

1. Place the Polarized Viewers on the patient.

***PLEASE NOTE:*** Doctor should advise whether or not Polarized Viewers should be worn over patient's prescription glasses.

2. Begin by aligning the panels at "0" (Ortho) on the blue bar.
3. Ask the patient to read aloud the first two rows or more of numbers while paying special attention to only read the number when the arrows are aligned and the number is crisp.
4. Instruct the patient to stop if at any time either the arrows begin to slide, fade out or if the number begins to blur. Instruct the patient to continue upon recovery (when number again becomes crisp/clear and the arrows are realigned). The verbal hesitations can be used as a reflection of what is happening visually.
5. Optimum performance occurs when there is no significant sustained fixation disparity, no suppression (fading), nor blurring of the fusion lock number either initially or over time. Through the use of prisms, lenses and/or prism demand induced by Vectograph separation one can explore more sensitively the diagnostic profile of the binocular dysfunction and more effectively provide a therapeutic approach which can improve the patient's awareness of binocular alignment and accommodative control during saccadic eye movement.
6. After the initial evaluation on the Vectographs is performed at the "0" (Ortho) position, a slight degree of BO prism demand, which can be more disruptive to Convergence Insufficiency, can be added by sliding the panels to the "1" or "2" position on the blue bar. Have the patient repeat steps 3-5.
7. A slight degree of BI prism demand, which can be more disruptive to Convergence Excess, can be added by sliding the panels to the "A" or "B" position on the blue bar. Have the patient repeat steps 3-5.
8. The Vectograph presentation is arranged so that the extreme left and right margin Fixation Disparity cross stimuli are presented in a vertical line orientation. By having the patient only view the vertically oriented stimuli the affect of the demand of horizontal saccadic eye movement is negated. To evaluate accommodative facility under associated conditions cover the crosses on the Vectograph to reveal only the far left or far right margin crosses allowing the patient to only view the vertically oriented stimuli.

## SCORING

- Each letter on the bottom blue bar represents one diopter. (Base-In) (Divergence / Relaxing).
- Each number 1-10 on the bottom blue bar represents one diopter. (Base-Out) (Convergence / Crossing).
- Each number 10-24 represents two diopters. (Base-Out) (Convergence / Crossing).
- 40 diopter range of separation available.

## CARE/HANDLING & STORAGE

- Clean vectographic panels and guide with a soft, damp, lint-free cloth. Dampen cloth using glass cleaner or mild detergent/water.
- **CAUTION: DO NOT IMMERSE THE VECTOGRAPHIC PANELS IN WATER. DO NOT SPRAY CLEANER DIRECTLY ONTO PANELS.**
- Store Vectograph in a dry place away from direct sunlight.
- Clean polarized viewers using lens cleaner and soft, lint-free cloth.
- If panels are removed from guide during cleaning, replace the panels in the guide placing the panel with the blue bar on top of the panel with the numbers/letters and ensuring that the plastic portion of the guide is behind the panels.

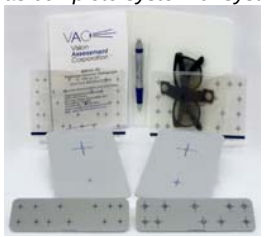
## WARRANTY

- 1 year manufacturer warranty from date of purchase.

## RELATED PRODUCTS

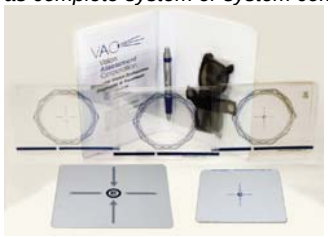
- BASS-PL, **B**inocular **A**ccommodative **S**accadic **S**eries (P/N 1075-PL)

A highly sensitive measure of the relationship between Binocular alignment (fixation disparity) and Accommodative function (clarity) during a Series (stamina) of cognitively loaded Saccadic eye movement. This series is designed to be a more dynamic measure of binocular/accommodative function during a saccadic eye movement task using a sequence of saccadic identification targets at two different acuity levels (20/100 & 20/63).
*Sold as complete system or system components also sold individually.*



- Binocular Vision Dysfunction Diagnostic & Treatment System (P/N 1070PL)

The diagnostic Fixation Disparity Targets included in this system can be administered in free space or behind a refractor and presented at a variety of working distances and directions of gaze. These targets, while easy to administer and simple for the patient to understand, are sensitive to suppression and measure vertical and horizontal binocular function. The hierarchal system of Vectographs included in this system can then be used to aid effective treatment of binocular vision disorders.
*Sold as complete system or system components also sold individually.*



Vision Assessment Corporation would like to express its appreciation to Dr. Paul Lederer, OD, FCOVD, FAAO for his help in the design and development of this exercise. Dr. Paul Lederer, OD, FCOVD, FAAO has no financial interest in the Large Saccadic Polarized Variable Vectograph, P/N 1071PL-LS, nor Vision Assessment Corporation nor any of its products.

Vision Assessment Corporation

# Large Saccadic

## Polarized Variable Vectograph

**P/N 1071PL-LS**
**INSTRUCTIONS**

**Vision Assessment Corporation**
**2675 Coyle Avenue**
**Elk Grove Village, Illinois 60007 USA**
**Phone: 1 847 239 5889**
**Toll Free USA: 1 866 887 9692**
**Email: sales@VisionAssessment.com**
**Web: www.VisionAssessment.com**

CE EC REP MDSS GmbH,
Schiffgraben 41, Hannover 30175, Germany