



STEREO OPTICAL

# FUNCTIONAL VISION ANALYZER™

Day/Night Vision Testing With/Without 2 Glare levels

## Contrast Sensitivity/ Functional Vision /Quality of Vision

The Functional Vision Analyzer® controls both target illumination and 2 glare luminance levels for accurate and repeatable testing results

Features Include:

- **New Unsurpassed Homogeneous Illumination**
- **Background Luminance Complies with International Standards**
- **All Light Levels Microprocessor Controlled and Continually Calibrated**
- **Binocular Glare Testing**
- **Target Illumination** comes standard with 3.0 cd/m<sup>2</sup> for **night** testing, and 85 cd/m<sup>2</sup> for **day** testing, or may be customized\* to specific needs with a value range of 1.0 cd/m<sup>2</sup> to 125 cd/m<sup>2</sup>
- **Glare luminance** at distance comes standard with 1 Lux and 28 Lux for **night** glare testing; 10 Lux and 135 Lux for **day** glare testing
- **Contrast Sensitivity** test to evaluate the patient's overall functional vision. Choose from either Sine Wave (F.A.C.T.®) or Letter (C.A.T.®)
- **Potential Acuity** for a quick assessment of macular function
- Includes F.A.C.T.® Contrast Sensitivity Slide Package

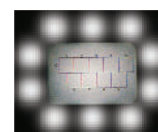
*\* Note: Customized target illumination, glare levels, & test packages must be determined upon order placement*



Remote Control



Radial Glare Source



Post Treatment    Pre Treatment

## EyeView®

### Functional Vision Analysis Software

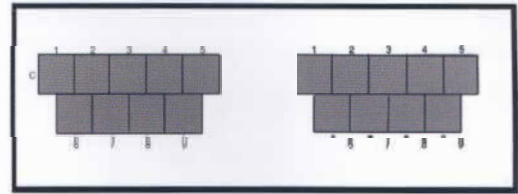
- Easy to score and interpret patients' results with EyeView® Software
- Demonstrate patients' functional Vision results with pictures

Optec, F.A.C.T., & C.A.T. are registered trademarks of Stereo Optical Company, Inc. Contrast Vision Test (F.A.C.T.) developed by Arthur P. Ginsburg, Ph. D. EyeView is a registered trademark of Vision Sciences Research Corp. (US patent #5,552,842) Licensed under US Patent #4, 365, 873 & 5,414, 479 & 5, 500, 699 by Vision Sciences Research Corp. Self-Calibrating Vision Test Apparatus, US Pat 5,078,486 VectorVision, Inc. The Holladay Contrast Test (C.A.T.) developed with Jack T. Holladay, MD, FACS

**F.A.C.T. Contrast Sensitivity:** Test for Distance and Near, Acuity, Color, Phorias, Stereopsis, and Potential Acuity. Ideal for Clinical or Research Practices.



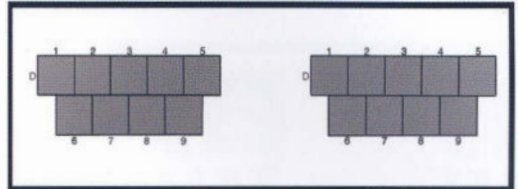
Slide #1 (3000-037) Far Point  
Acuity Monocular (20/160 to 20/12.5)



Slide #7 (3000-173) Far Point  
Functional Acuity Contrast Test  
6 Cycles Per Degree Monocular



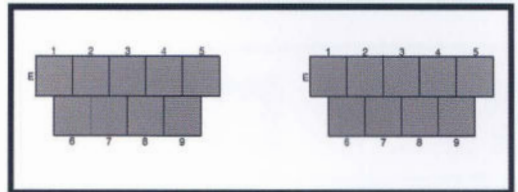
Slide #2 (3000-042) Far Point  
Acuity Binocular (20/160 to 20/12.5)



Slide #8 (3000-174) Far Point  
Functional Acuity Contrast Test  
12 Cycles Per Degree Monocular



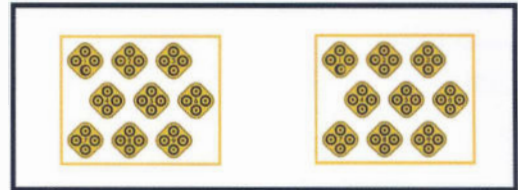
Slide #3 (2000-185) Near Point  
Acuity Monocular (20/160 to 20/12.5)



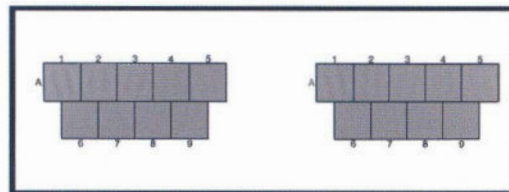
Slide #9 (3000-175) Far Point  
Functional Acuity Contrast Test  
18 Cycles Per Degree Monocular



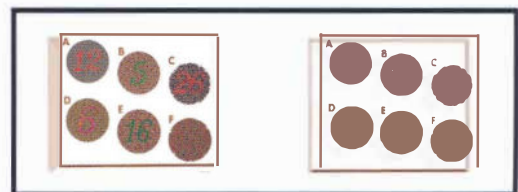
Slide #4 (2000-189) Near Point  
Acuity Binocular (20/160 to 20/12.5)



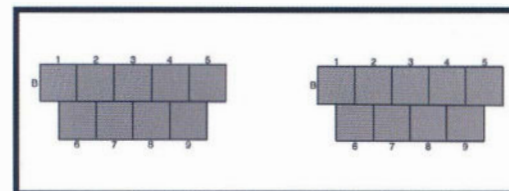
Slide #10 (2000-024) Far Point  
Stereo Depth Perception (400 to 20 Seconds of Arc)



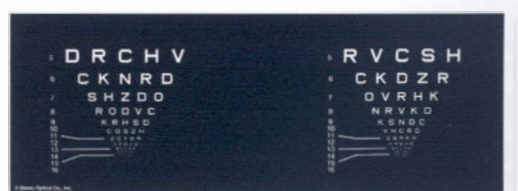
Slide #5 (3000-171)\*\* Far Point  
Functional Acuity Contrast Test  
1.5 Cycles Per Degree Monocular



Slide #11 (2000-010) Far Point  
Color Perception (Pseudo Ishihara)



Slide #6 (3000-172) Far Point  
Functional Acuity Contrast Test  
3 Cycles Per Degree Monocular



Slide #12 (3000-037R) Far Point  
Potential Acuity Monocular (20/160 to 20/12.5)



\*\* Enlarged to show pattern