

INSTRUCTIONS

Thank you for purchasing the Vision Assessment Corporation Random Dot Distance Stereo Acuity Test (P/N 1006).









PURPOSE

This depth perception test is designed for quantitative assessment of distance stereopsis of children, non-readers and adults to check how well a persons' two eyes work together at distance.

FAMILIARIZE YOURSELF WITH THE TEST

Test includes:

- 6 Cards:
 - ❖ **DEMO** Card
 - ❖ **BLANK** Card
 - ❖ **400** seconds of arc Card = **SQUARE** 
 - ❖ **200** seconds of arc Card = **CIRCLE** 
 - ❖ **100** seconds of arc Card = **PLUS** 
 - ❖ **63** seconds of arc Card = **TRIANGLE** 
- 1 Pair Pediatric Polarized Viewers
 (NOT TO BE USED AS SUNGLASSES)
- 1 Pair Adult Polarized Viewers
 (NOT TO BE USED AS SUNGLASSES)
- 1 Carrying Case
- 1 Instruction Manual

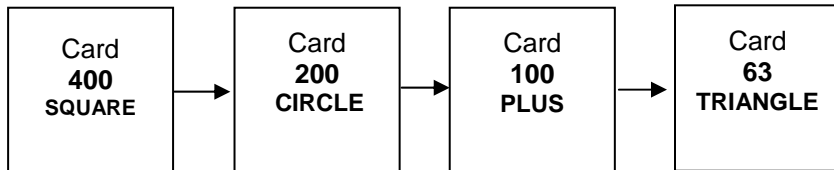
TESTING CONDITIONS

1. Arrange the Test Subject's chair so that the cards are 10 feet (3m) from their eyes.
2. Choose a well-lit, glare-free area to ensure that no reflections or extraneous glare can be seen on the cards.
3. Inspect the cards to ensure that they are clean and free of smudges. Clean if necessary. Refer to "CARE/HANDLING" section at the end of this manual.

ADMINISTERING THE TEST

1. Select the appropriate size Polarized Viewers and place them on the Test Subject.
PLEASE NOTE: IF THE TEST SUBJECT WEARS PRESCRIPTION GLASSES, THE POLARIZED VIEWERS SHOULD ALWAYS BE WORN OVER THEIR DISTANCE CORRECTION.
2. The back of each card is labeled. Begin with the card labeled **DEMO**. This card has 2-dimensional images of the following shapes: Circle, Plus, Square, Star and Triangle with one Blank box. This card is used for training purposes to determine task understanding. The **STAR** image is not included in the testing cards. This extra image is used to help reduce the chances of the Test Subject guessing as to the correct shape.
3. Ask the Test Subject to point to or identify the shapes on the **DEMO** Card. Ask the Test Subject to point to the "Blank" box. If the Test Subject can identify or point to the correct shapes, this Test Subject is able to proceed with the test.
4. Next, hold Card labeled **400 SQUARE** side by side with the **BLANK** Card 10 feet (3m) in front of the Test Subject at a 10 degree angle (top of card tilted back towards the examiner).
PLEASE NOTE: ALWAYS ENSURE THAT THE ARROW ON THE BACK OF EACH CARD IS POINTING UP. ALWAYS HOLD THE BLANK CARD AT EXACTLY THE SAME DISTANCE FROM THE TEST SUBJECT AS THE OTHER CARD.
5. Hold the cards close to or touching each other without overlapping so both cards are in the Test Subject's line of sight, and ask the Test Subject to point to or identify the card with the shape. Ask the Test Subject to identify the shape. If the Test Subject is unable to identify the shape by name, the **DEMO** Card can be utilized so that the Test Subject can match and point to the shape as seen on the Card labeled **400 SQUARE**.
*PLEASE NOTE: IT MAY TAKE A FEW SECONDS FOR THE TEST SUBJECT TO SEE THE **SQUARE** IMAGE. ENCOURAGE THE TEST SUBJECT TO CONTINUE LOOKING FOR IT.*
6. Shuffle the cards behind your back so as to randomly change the position of the Card labeled **400 SQUARE**, and then present it randomly either to the right or left of the **BLANK** Card.
7. Repeat steps 4-6 a maximum of 5 times. The Test Subject is successful if they are able to identify the Card labeled **400 SQUARE** 4 of 4 or 4 of 5 presentations. The Test Subject is unsuccessful if they answer incorrectly 2 times out of a maximum of 5 presentations.
PLEASE NOTE: AVOID CREATING A PATTERN OF PRESENTATION (i.e. R, L, R, L or R, R, L, L).
8. If the Test Subject is unsuccessful on Card **400 SQUARE**, STOP testing and record the results as "Unable."
9. If the Test Subject is successful on Card **400 SQUARE** proceed by replacing Card **400 SQUARE** with Card **200 CIRCLE**, and repeat the same procedure (steps 4-7) again now with Card **200 CIRCLE** and the **BLANK** Card.
10. If the Test Subject is unsuccessful on Card **200 CIRCLE**, STOP testing and record the results as "400 seconds" (the last card with 4 correct).

11. If the Test Subject is successful on Card **200 CIRCLE**, replace this card with Card **100 PLUS** and repeat the same procedure (steps 4-7) again now with Card **100 PLUS** and the **BLANK** Card.
12. If the Test Subject is unsuccessful on Card **100 PLUS**, STOP testing and record the results as “200 seconds” (the last card with 4 correct).
13. If the Test Subject is successful on Card **100 PLUS**, replace it with Card **63 TRIANGLE**, and repeat the same procedure (steps 4-7) again now with Card **63 TRIANGLE** and the **BLANK** Card.
14. If the Test Subject is unsuccessful on Card **63 TRIANGLE**, STOP testing and record the results as “100 seconds” (the last card with 4 correct).
15. If the Test Subject is successful on Card **63 TRIANGLE** record the results as “63 seconds” (the last card with 4 correct).



RECORDING THE RESULTS

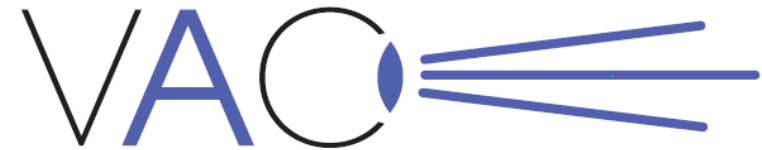
- Record “Unable” if the Test Subject is unable to point to or identify the shapes on the DEMO Card.
- Record the seconds of arc noted on the back of the Card for the last presentation with 4 correct responses (i.e. 200 seconds).

CARE/HANDLING & STORAGE

- Clean cards with a soft, damp, lint-free cloth. Dampen cloth using glass cleaner or mild detergent/water.
- **CAUTION: DO NOT IMMERSE THE CARDS IN WATER. DO NOT SPRAY CLEANER DIRECTLY ONTO CARDS.**
- ☀️☔ Store cards and Polarized Viewers in the provided carrying case in a dry place away from direct sunlight.
- Clean Polarized Viewers using lens cleaner and soft, lint-free cloth.

WARRANTY

- 1 year manufacturer warranty from date of purchase.



Vision
Assessment
Corporation

Random Dot Distance

Stereo Acuity Test

P/N 1006

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