

INSTRUCTIONS

Thank you for purchasing the Vision Assessment Corporation Random Dot E Depth Perception Test P/N 1015.



PURPOSE

This test is designed to rapidly test for amblyopia and strabismus using stereopsis (depth perception) in early & non-readers and non-verbal children & adults. When wearing the polarized viewers, an individual with normal depth perception should be able to correctly identify the Raised letter E.

Depth Perception: (n) *The ability to perceive spatial relationships, especially distances between objects, and three dimensions.*

FAMILIARIZE YOURSELF WITH THE TEST

- Test consists of:
 1. 3 cards (back of cards shown below)



2. 1 pair pediatric polarized viewers



(NOT TO BE USED AS SUNGLASSES)

3. 1 pair adult polarized viewers



(NOT TO BE USED AS SUNGLASSES)

- Put on the adult polarized viewers (over prescription glasses if worn)
- View the front side of the MODEL E card
- View the fronts of the BLANK card and RAISED E card
- Identify which card has the Raised letter E as seen on the front of the MODEL E card (Someone with normal stereopsis should be able to identify the Raised E)
- Still wearing the viewers, cover one eye and note how the Raised E disappears – this is how the test subject will view the card if unable to see the Raised E

TESTING CONDITIONS

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

ADMINISTERING THE TEST

- Place the pediatric polarized viewers on the test subject
PLEASE NOTE: IF TEST SUBJECT WEARS PRESCRIPTION GLASSES, THE POLARIZED VIEWERS SHOULD BE WORN OVER GLASSES
- Show the test subject the front of the MODEL E Card and ask the test subject to identify the figure
- If the test subject does not know the letter E or has difficulty naming the image, have the test subject trace the image with his/her finger
- At 50 cm (20 in) from the test subject hold up both the BLANK card and the RAISED E Card (front of cards facing test subject)
- Ask the test subject to point to which card has the “E”
- Put the BLANK card and RAISED E card behind your back and exchange the cards in each hand
- Show the test subject the cards again asking him/her to again point to the card with the letter E
- Repeat last 2 steps at least 4 times (do not exchange the cards every time so that the test subject can not predict which hand holds the card with the Raised E)
- Now move the cards 1 meter (40 in) from the test subject and repeat the process above at least 4 times

INTERPRETING THE RESULTS

- Any test subject who is either unable to consistently identify the Raised E or only able to identify the Raised E at 50 cm (20 in) or closer should be referred to an eye doctor for further testing

STEREOACUITY THRESHOLDS

- The greater the distance that the test subject is away from the card and can correctly identify the Raised E, the better the patient’s stereopsis
- See chart below

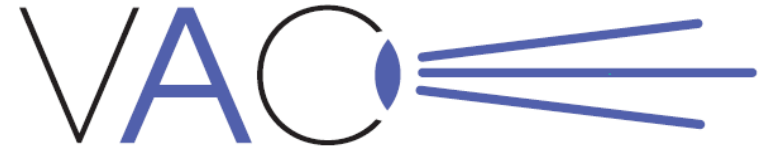
DISTANCE	DISPARITY	DISTANCE	DISPARITY
50 cm	504"	6 ft	138"
100 cm	252"	7 ft	118"
150 cm	168"	8 ft	103"
200 cm	126"	9 ft	92"
300 cm	84"	10 ft	83"
400 cm	63"	11 ft	75"
500 cm	50"	12 ft	69"
2 ft	413"	13 ft	63"
3 ft	275"	14 ft	60"
4 ft	206"	15 ft	55"
5 ft	165"	16 ft	52"

CARE/HANDLING & STORAGE

- Clean with a soft, damp lint-free cloth
- ☀️☔ Store in a cool, dry place away from direct sunlight

WARRANTY

- 1 year manufacturer warranty from date of purchase



Vision
Assessment
Corporation

RANDOM DOT



DEPTH PERCEPTION TEST

P/N 1015

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