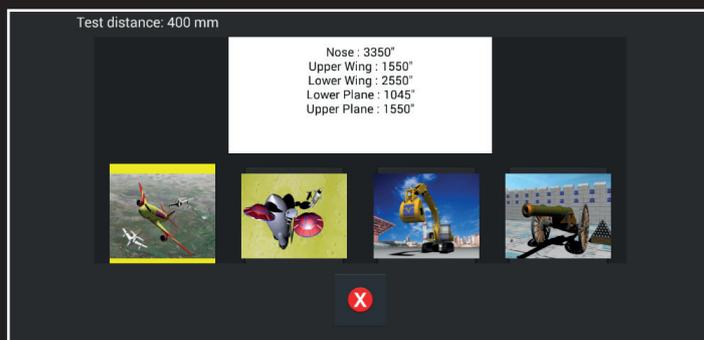
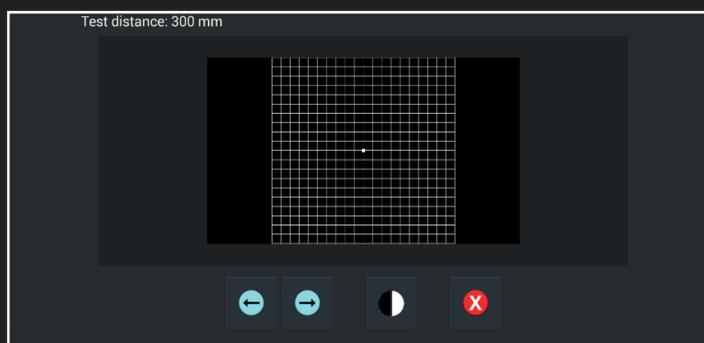


# BASIC

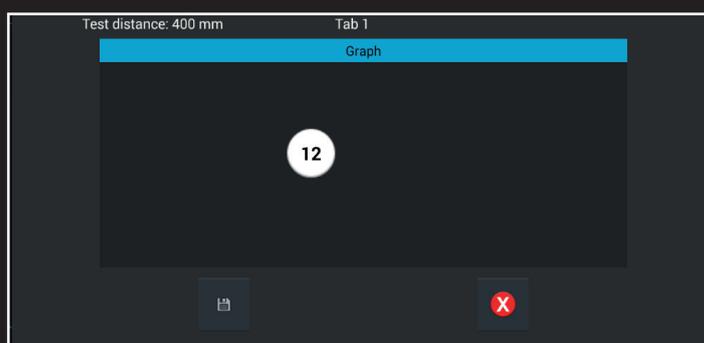
**3D Airplane:** new binocular test in color to measure different levels of Global Stereopsis. Instruct the patient to hold and look at the Receiver. Select the desired image and ask the patient if he/she sees the image protruding from the screen, on the Controller the levels of Stereopsis of the various images' details are shown.



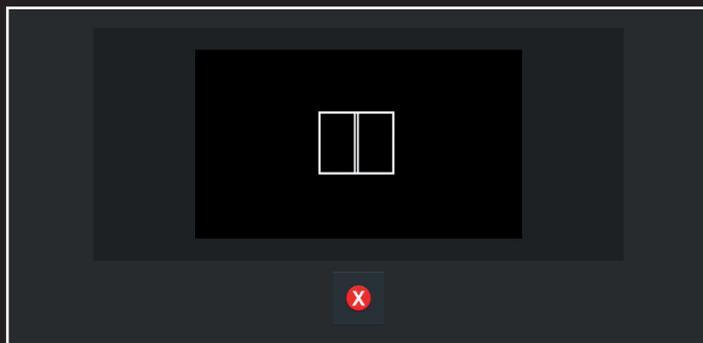
**Amsler:** screening test to evaluate the presence of possible retinal anomalies. The test is executed in monocular mode. Instruct the patient to look at the central point of the image and refer if the lines appear straight, without blur and distortions, errors and missing parts.



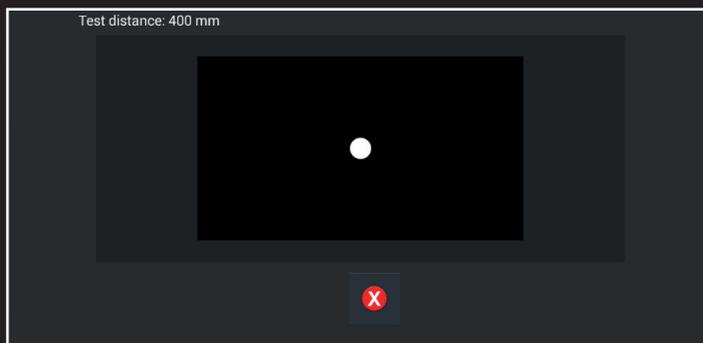
**Color Perception:** the Ishihara tables are used to measure the Color Perception of the patient. The test is executed in monocular mode. The examiner chooses on the Controller which eye to examine first and selects the patient's answers in each table. Then switch to the other eye and at the end of the test, the system automatically provides a graph of the results with an indication of the possible deficiency. Please remember that this test cannot substitute a specialist's exam.



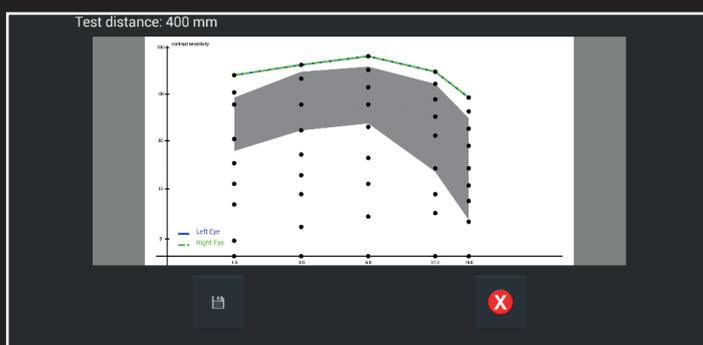
**Duane:** target to measure the near point of accommodation.



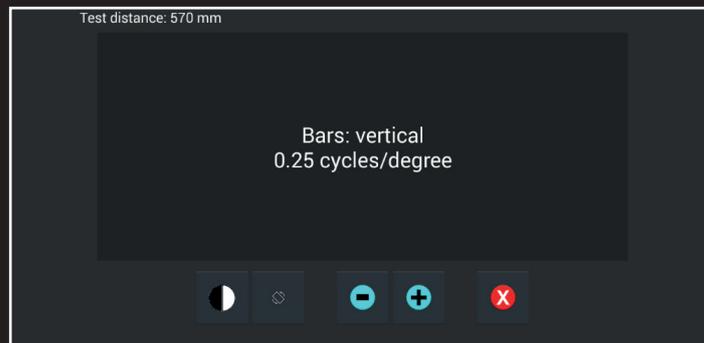
**Fixation Dot:** white fixation dot useful to administer various tests such as the cover test at near.



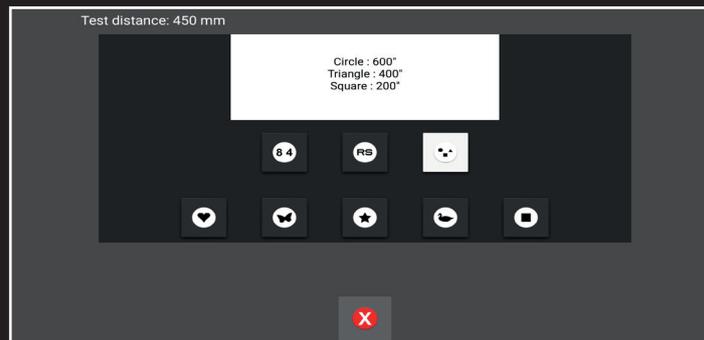
**Gabor:** test to measure the Contrast Sensitivity. Tests' tables present some lines tilted in three different ways and at different contrast levels. The examiner chooses on the Controller which eye to examine first and selects the patient's answers (right or wrong). The patient, while looking at the Receiver, must indicate if the lines are vertical or tilted to the right (toward the star) or to the left (circle). Then switch to the other eye and at the end of the test, the system automatically provides a graph of the results.



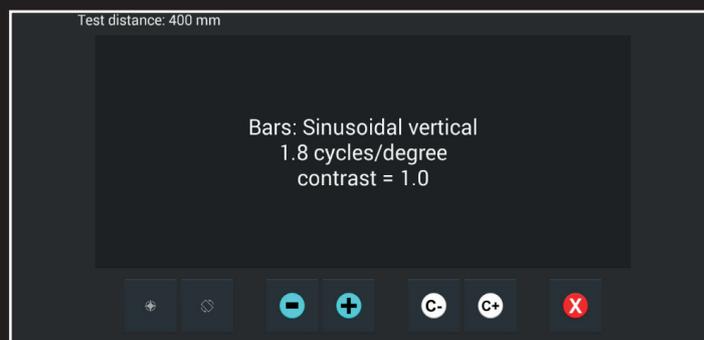
**Preferential Looking:** this test uses a neurological involuntary reflex and measures the visual acuity of people with difficulty of communication (infants...). The test, executable either in monocular or binocular mode, has a series of lines (verticals or horizontals and of different depth according to the examiner choice) in half of the screen while the other half stays grey. The patient looks at the Receiver and at every click of the Black/White button on the Controller the test appears and disappears from the screen. When the test is visualized, the Controller button changes color and the Receiver emits a “beep” to help the examiner. The purpose of the test is to observe if the patient’s eyes move toward the stimulus or not.



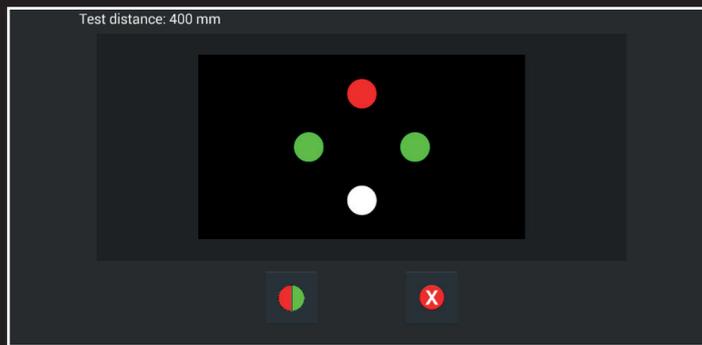
**\*Random Dot:** binocular test to measure the Local Stereopsis. Instruct the patient to look at the Receiver and refer which images he/she can see. The examiner can change the images increasing the difficulty from 600'' to 30'' (seconds of arc).



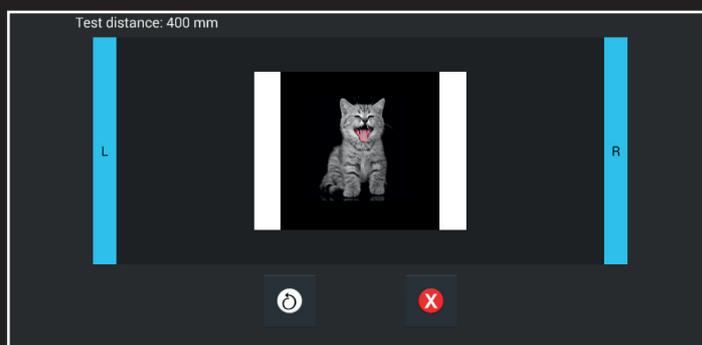
**Sine Bars:** test to measure the eye resolution power



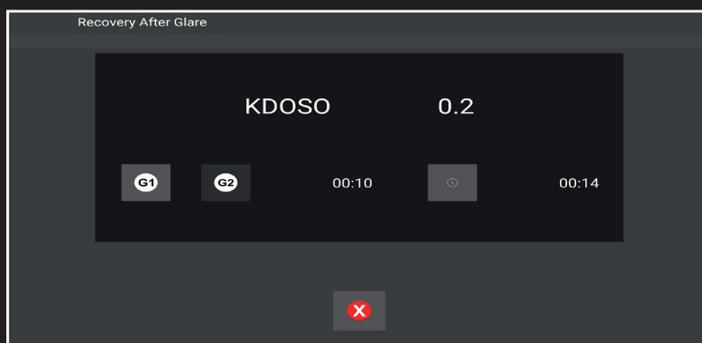
**Worth:** test to examine the binocular status of the patient with anaglyph glasses.



**Sensory Dominance:** the target is perceived differently by the two eyes and the test allows to determine the sensory dominance. Ask the patient to observe the image and refer if the target is “blurry” or “in focus”. On the Controller it is possible to determine the dominant eye. Inverting the polarization a verification of the obtained result is achieved (the eye that firstly saw the image “in focus” now sees the image “blurry” or vice versa). The test is useful for comparison to the tests of motor dominance and in the balance of the patient’s ophthalmic correction.



**Recovery After Glare:** test for driving suitability. This test expresses the time needed to recover a sufficient level of acuity after being dazzled. The test is executed in monocular mode. Dazzle the patient using a penlight of 400lux at 20cm of distance for 10 seconds, switch off the penlight and ask the patient to read the letters on the screen. The minimum threshold is 2/10 in less than 60 seconds and 4/10 in less than 30 seconds, depending on the type of driving license.



**Twilight vision:** Test to verify the vision ability during twilight conditions. Lower the ambient lighting to minimum and ask the patient to refer until which visual acuity he/she can read the letters.

