

Color evaluation glasses

Description

Color evaluation glasses that are used to calibrate, measure and improve color vision problems of any human eye for this has liquid crystal screens with the possibility of color change and modifiable until the eye perceives a pattern similar to the real one.

How does it work?

It consists of an electromechanical system of small dimensions, with glasses design.

These glasses adapt to any head and has two viewfinders in the form of liquid crystal screens that allows you to see through the same objects and images with three possibilities that are, calibrate the difference between eyes in the appreciation of color using a test of evaluation of the color space, evaluate color defect of both eyes valuing improvements with changes of color of the screen and use of help to achieve An improvement of the color to values closer to the real one in problems due to partial anomaly.

Changes in the color of the screens separately or simultaneously can be manipulated with manual color sensors automatically that work with batteries and are connected to the electronic chip with the preset program, controlled by wireless connection by the technician or manual, manipulated by the technician or the person interested in the calibration, Evaluation and/or improvement.

Advantages

Simplest measurement of color defect and its improvement. Add translucent liquid crystal displays with electronic color control integration.

Where has it been developed?

In the Faculty of Optics and Optometry of the Complutense University of Madrid.

And moreover

Researcher in charge

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