CLAIMS

1. A vision training device, comprising:

a main body including at least one ocular hole corresponding to an eye of a user;

at least one lens unit including a plurality of lenses having different diopters and a lens holder that supports the lenses with an interval therebetween and is movable with respect to the main body so that any one of the lenses is placed in a line of sight direction from the ocular hole;

a drive motor that moves the lens holder;

a user input unit; and

a control unit that controls the drive motor such that a test lens selected from the plurality of lenses is placed in the line of sight direction and stores an accommodation time indicating a period of time in which the eye becomes an accommodated state to the test lens.

2. The vision training device according to claim 1, wherein the lens holder is installed rotatably on a rotation shaft with respect to the main body, and the lenses are supported on the lens holder at angular intervals in a circumferential direction.

3. The vision training device according to claim 1, wherein the control unit stores the accommodation time of the user for the test lens on the basis of an accommodation reflex confirmation signal input through the user input unit.

4. The vision training device according to claim 1, further comprising, a sensor module that detects the accommodated state of the eye of the user,

wherein the control unit stores the accommodation time of the user for the test lens on the basis of an accommodation reflex confirmation signal input through the sensor module.

5. The vision training device according to claim 1, wherein the plurality of lenses have diopter values varying stepwise with predetermined diopter intervals therebetween, and

the control unit measures and stores the accommodation time when the diopter is increased from an adjacent lens and the accommodation time when the diopter is decreased from an adjacent lens for each of the lenses.

6. The vision training device according to claim 1, wherein the user input unit includes a training mode selection part, and

the control unit sets a training time of each lens in which the stored accommodation time is reflected and exposes a corresponding lens to a line of sight of the user during the training time corresponding to each lens when the training mode is selected through the user input unit.

7. The vision training device according to claim 6, wherein, in the training mode, the lens is switched after the lens is exposed to the line of sight of the user for the training time for each of the plurality of lenses.

8. The vision training device according to claim 6, wherein the accommodation time of the user for the corresponding lens is stored when the accommodation reflex confirmation signal is input through the user input unit during an operation in the training mode.