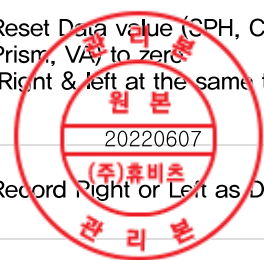


SHORT CUT LIST

Button Combination		Description	
		Start/Finish PRESET Mode (S/C/A/ADD/Prism power can be preset without real insertion of lenses in the refractor)	
		Executes Dial Click Configuration Menu (Switching data element, Executing program, Selecting auxiliary lens)	
		Display the data selection menu for lensometry data (Data are valid until power reset)	
		Display the data selection menu for refractor /keratometry data (Data are valid until power reset)	
		Display memorized patient data list directly (Up to recent 60 patient records served in FIFO)	
		Clear the data in selected data field and reset the refractor to initial state	
		Reset Data value (SPH, CYL, cylinder AXIS, ADD, Prism, VA) to zero (Right & left at the same time)	
		Record Right or Left as Dominant eye.	
		Display program selection menu (To select a preprogrammed sequences)	
		Revert the program execution (Data are not restored by this)	
		Insert a pinhole lens on the right or left.	
		Adjust the Chart Display Level of CDC-4000.	
		Reverse the cylinder sign alternatively CYL+ → CYL- or CYL- → CYL+	
		Remove aux. Lenses temporarily (To restore the aux. Lenses press the buttons again)	
			Off ADD power temporarily (To restore, press ADD button again)
			Off ADD power temporarily (To restore, press BIBO or BDBU button again)



NEAR VISION CHART SPECIFICATION

CHART NUMBER	EXAMINEE	CHART NUMBER	EXAMINEE
1	<p>40 cm 16 inch</p> <p>0.1 R D E 20/200</p> <p>0.2 Z D F A H O N 20/100</p> <p>TRFHAZ F E H R N A</p> <p>0.25 D N F O R D Z T A O 20/80 0.32 20/60</p> <p>40 cm 16 inch</p> <p>0.4 KNHPZ MCLPO 20/50</p> <p>0.5 MPTXE ACKPV 20/40</p> <p>0.63 AOYNF NHPL 20/30</p> <p>0.8 VCKLZ FYAHK 20/25</p> <p>1.0 PZAYT HKOEN 20/20</p>	2	<p>5 9 3 8 2</p>
3	<p>40 cm 16 inch</p> <p>R E A T H</p> <p>F O N D Z</p> <p>Z E S B 4</p> <p>S 4 B 3 9</p>	4	<p>40 cm 16 inch</p> <p>0.1</p> <p>0.2</p> <p>0.25</p> <p>0.4</p> <p>0.63</p> <p>1.0</p>
5	<p>40 cm 16 inch</p> <p>0.4 KNHPZ MCLPO 20/50</p> <p>0.5 MPTXE ACKPV 20/40</p> <p>0.63 AOYNF NHPL 20/30</p> <p>0.8 VCKLZ FYAHK 20/25</p> <p>1.0 PZAYT HKOEN 20/20</p>	6	<p>40 cm 16 inch</p> <p>R E A T H</p> <p>F O N D Z</p> <p>Z E S B 4</p> <p>S 4 B 3 9</p>
7	<p>2</p> <p>8</p> <p>5</p> <p>9</p> <p>3</p>	8	<p>40 cm 16 inch</p> <p>0.1</p> <p>0.2</p> <p>0.25</p> <p>0.4</p> <p>0.63</p> <p>1.0</p>



### 1 Icon for connection status

A lensmeter or keratometer through Wifi communication you can check the connection status.

R-PD	PD	L-PD
32.00	64.00	32.00

### 5 Input Button of 'Pupil Distance'

Executes the same function with the PD button, PD Adjustment Mode.

LM	RK	SUBJ	FIN
----	----	------	-----

### 7 Buttons of 'Reference Data Selection'

Selects a data field for reference. Changing the data field selection updates the reference data with previously selected data field automatically.

FAR	NEAR
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### 2 Selection Buttons of 'Far/Near Vision'

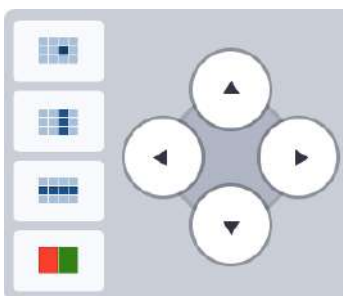
Executes FAR or NEAR distance vision test mode.

VA	CHART	NEAR CHART
PROGRAM	CUSTOM 1	

### 6 Buttons for 'Test Execution'

Executes a single test. Pressing with SHIFT executes the alternate test on a button.

SYSTEM/CUSTOM button switches the display between system-providing tests and custom-created tests menu.



### 6-1 Button for masking VA Chart

Charts can be masked by horizontal/vertical /dot units. Move mask up, down, left and right.

S0.12	S0.25	S0.50	+FOG
-FOG	PF+90	RETINO	

### 8 Buttons for 'Function Keys'

Executes various optional functions for each test mode such as changing lens step, XC lens type, and etc.

S	ADD
C	BI-BO
A	BD-BU

### 3 Selection Buttons of 'Data Item'

Each button selects data item binocularly. Touching data value selects data item monocularly.



### 9 Button to view test results

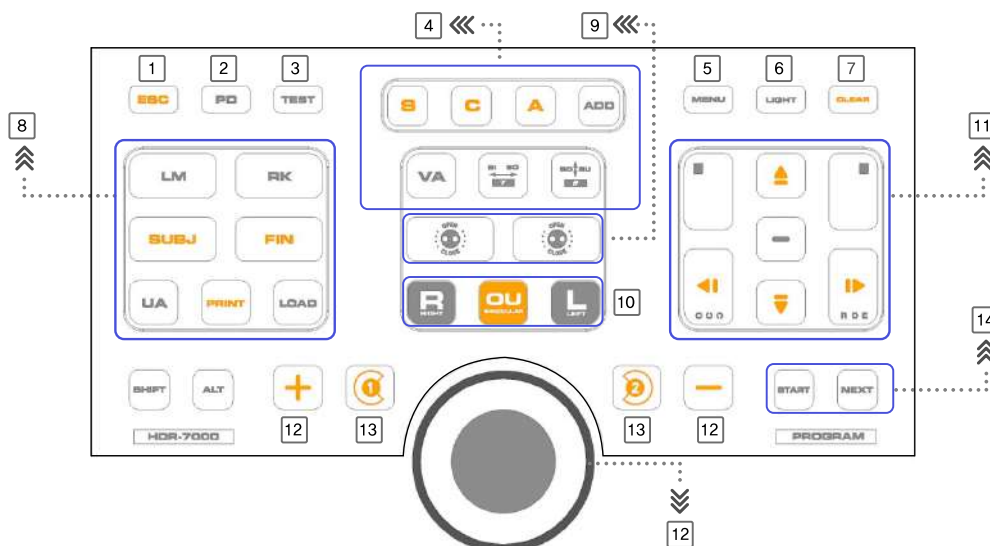
Users can view test results through three methods per far/near sighted modes by selecting test result button. Users can toggle far/near sighted mode using function key button on the bottom of the screen, and select three table view methods and graphic view methods.



### 4 Selection Buttons of 'Auxiliary Lens'

Execute the menu for auxiliary lens selection.





**ESC**

**Escape Button**

Returns to the main screen after escaping from other menu or dialog box executed previously.

**LIGHT**

**Light Button**

Executes the Light Control Menu which provides functions for turning on/off chart lamp and adjusting the intensity of the near illumination.

**R** **OU** **L**

**Buttons of 'Eye Selection'**

Selects eye/data for examination. Pressing R or L with SHIFT marks right or left eye as dominant.

**PD**

**Input Button of 'Pupil Distance'**

Executes the PD Adjustment Mode. PD is adjusted monocularly or binocularly by the selection of R/L/OU button.

**CLEAR**

**Button of 'Data Clearing'**

Clears the lenses inserted in the Refractor Body and the data on the display.

**Buttons of 'Chart Mask'**

**TEST**

**Selection Button of 'Unit Test'**

Executes the Test Selection Menu where examiner selects a test from 29 system-providing unit tests or from up to 35 user-defined tests.

**Buttons of 'Data Field Operation'**

**Buttons and Dial for 'Data Input'**

**Selection Buttons of 'Data Item'**

- S: Spherical power
- C: Cylindrical Power
- A: Cylinder Axis
- ADD: Additional Power
- VA: Visual Acuity
- B.I.B.O.: Horizontal Prism
- B.D.B.U.: Vertical Prism

PRINT button prints the test results, LOAD button executes the data loading menu, and other buttons select and open a data field.

- UA for unaided visual acuity test mode
- LM for old prescription data field
- RK for objective data field
- SUBJ for subjective data field
- FIN for final prescription field

Pressing LM or RK button, after clearing data, loads the latest data received from auto lensmeter or auto ref/keratometer.

**Buttons of 'XC Operation'**

Operates cross cylinder lens for flip. Pressing one of the buttons for VA charts inserts XC lens.

**MENU**

**Selection Button of 'Menu'**

Executes the User Menu Mode which includes following sub-menu.

- Viewing Test Results
- System Configuration
- Editing Program
- Editing User-Defined Test
- Editing Messages
- Gallery with Near Charts and Image Clips

**Buttons of 'Opening & Closing Test Window'**

Opens or occludes the test window in the right or left side of the Refractor Body.

**START** **NEXT**

**Buttons of 'Program Execution'**

START button triggers the execution of default program. NEXT button proceeds the execution.

- SHIFT+START for the Program Selection Menu
- SHIFT+NEXT for backward execution

