

# RT-5100 OPERATION SHEET

## <Auxiliary lens>

Displays the window to select auxiliary lenses.

## <Function buttons>

Differ depending on the screen.

1. Switch SPH increments between 0.12 D and 0.25 D.
2. Switch AXIS increments between 1° and 5°.
3. Switch AXIS angle among 0°, 45°, 90°, and 135°.
4. Switch the cross cylinder lens among Auto, ±0.25 D, and ±0.50 D.
5. Enter patient age to preset the ADD power.
6. Switch prism coordinates between XY and θ.
7. Switch stereoparallax among 1', 2', 4', 10', and NG.
8. Depending on the program
  - With glasses Yes or No
  - Flexibility High or Low

## <ADD>

Switches addition powers to be added or removed. Pressing (Shift) + (ADD) allows the near point of convergence to be entered with the dial.

## <Help>

Displays the help screen for the present chart. Presents sample instructions during the program.

## <Open/Occluded>

Switches whether the measuring windows are open or occluded.

## <Data field selection (Un-aided to Final)>

It is possible to compare the entered data in each field by pressing the corresponding key. The previous data and one prior to previous are also displayed.

## <AR or LM data entry>

Press (IN), set the data No. with the dial, and press (AR) to set AR data or (LM) to set LM data.

## <Print>

It is possible to set the parameter as to whether or not the data is cleared after printing.

## <Left side switch>

Turns on or off the chart lamp and near point lamp. Also sets the link off function.

## <Final>

Pressing (Shift) + (Final) calculates the Final Fit value as a guide for determining the final prescription.

## <+, ->

Changes values the same as the dial does. The increments in prism mode are 0.1Δ.

## <Dial switch>

Switches the mode (S, C, A, VA).

## <Dial>

Changes any value. The increments change by turning the dial while pressing (Shift).

1. SPH...0.25 D → 0.5 D to 3 D
2. CYL...0.25 D → 1 D/2 D/3 D
3. AXIS...5° → 1°/15°, 1° → 5°
4. ADD...0.25 D → 1 D
5. Prism...0.5Δ → 2Δ

## <Cross cylinder 1, 2>

1. Adjusts the Final Fit value precisely. The adjusted data is stored in the function button each time the key is pressed.
2. It flips the cross cylinder lens in the cross cylinder test.
3. Pressing (Shift) + (Dial) switches the time display to the refraction elapsed time.

## <FAR/NEAR>

Switches the mode between far and near.

## <Cross grid for near vision>

Goes into ADD mode. The ±0.5 D cross cylinder lens is placed.

## <Near VA>

Goes into ADD mode.

## <Eye to be measured selection>

Pressing (Shift) + (R) or (L) selects a dominant eye.

## <Menu>

- Displays the Main Menu screen.
1. Vision test screens presented to a patient
  2. Various settings

## <Clear>

Clears all displayed data.

## <Program start>

Starts a program. Pressing (Shift) + (Prog) selects the program.

## <Mask keys>

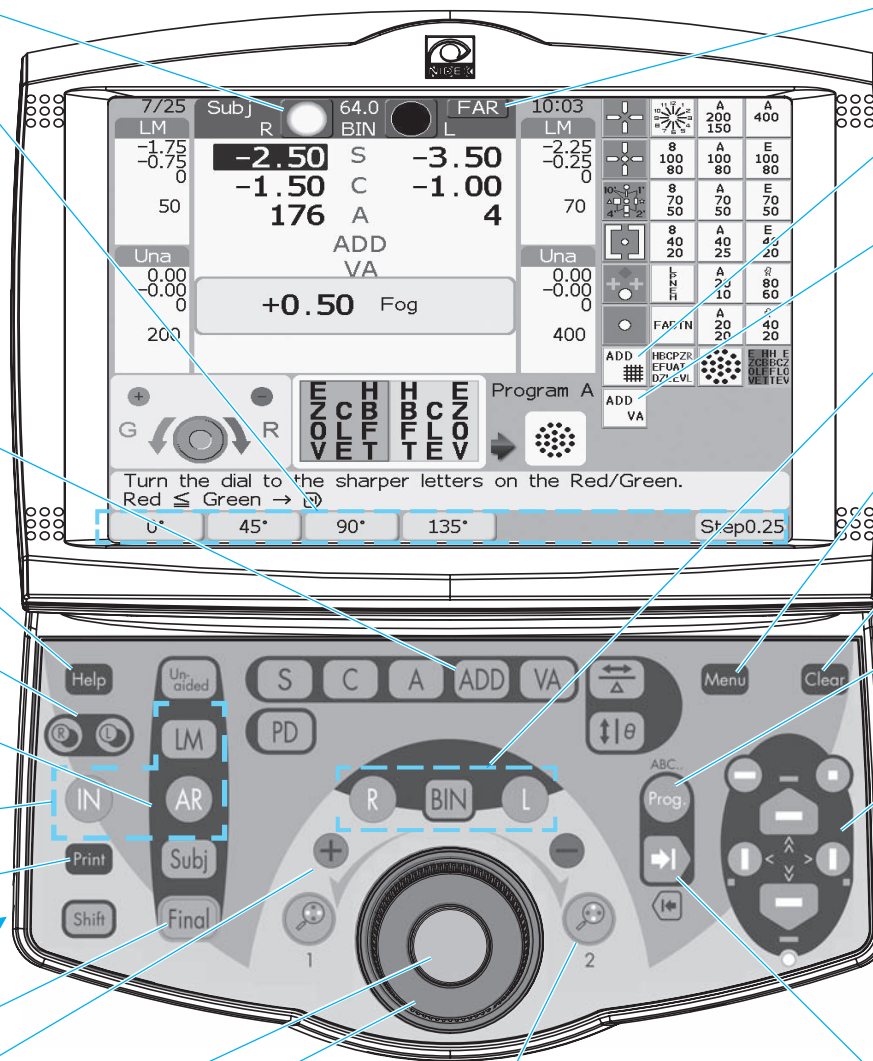
- Pressing (H) or (V) isolates a horizontal line and move it up or down after a VA chart is selected. The two letter charts of 20/20 to 20/10 are presented alternately. The VA of the isolated horizontal line or single letter is shown in the VA field on the screen.
- (L) < or > (R) ... Moves a vertical isolation to the left or right.
- (Shift) + (H) ... Applies the red-green filter.
- (Shift) + (H) or (V) ... Isolates a horizontal line on the top or bottom line of the chart.
- (Shift) + (L) < or > (R) ... Isolates a single letter in the lower-left or right corner on the chart.

## <Right side switch>

1. Switches the cylinder reading between + and -.
2. Changes the ID No.
3. Adjusts the backlight brightness with (Shift) + right side switch. Pressing the dial switch starts screen calibration.

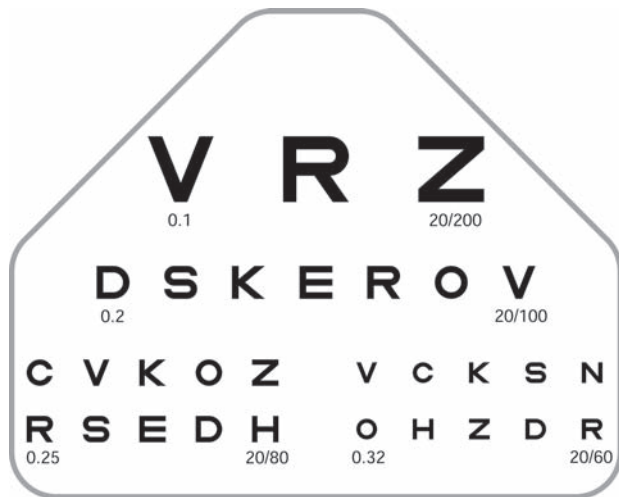
## <Program forwarding>

Forwards to next sequence. Pressing (Shift) + (Fwd) returns to the previous sequence.



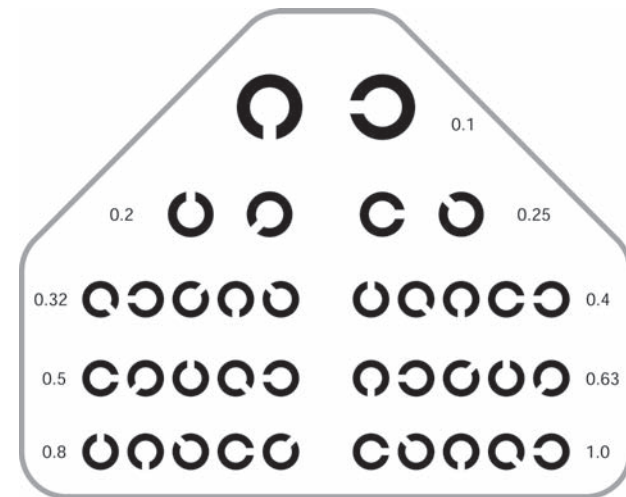
# RT-5100 Visual Acuity Chart for Near Vision

CHART ①



Working Distance: 40 cm (16 inches)

CHART ④



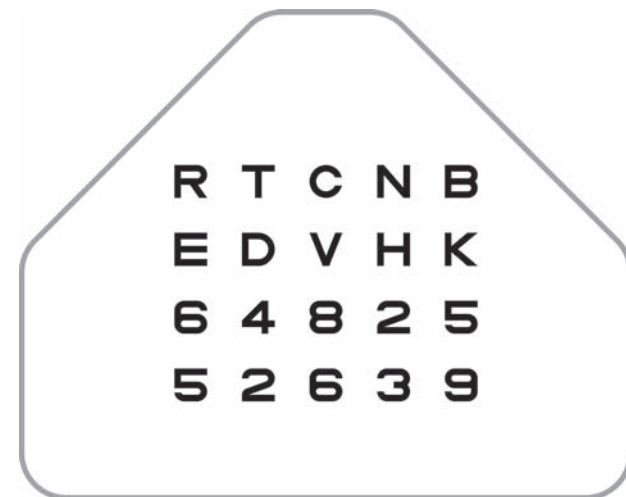
Working Distance: 40 cm (16 inches)

CHART ⑤



Working Distance: 40 cm (16 inches)

CHART ⑥



Working Distance: 40 cm (16 inches)

\* The charts above are not illustrated in the actual size.