

TRS-6100 Quick Reference Guide

<Distance/ Near>

Toggles between the distance vision test **FAR** and near vision test **NEAR**.

<Side menu>

Displays the side menu.

<Sub windows 1&2 (right/left) >

- Displays the previously set data.
- Displays the data set before the previous setting.

<Program message area>

Displays the refraction procedure.

<Current data area>

Displays the data of the lens currently in place.

<Chart display>

Displays the currently presented chart.

<Auxiliary function selection> Availability depends on charts.

- Changes the contrast.
- Displays charts in inverted black and white.
- Presents charts in night use brightness.
- Turns the glare lamp on or off.
- Changes the horizontal line letters randomly.
- = +

<Numeric entry>

- , Changes the selected value.

<Data entry>

- Displays the import data select screen for AR or LM data.

<Program advance>

- Starts a refraction program.
- Advances to the next test while a program is running.
- Returns to the previous test.

<Shift function>

Pressing a button or turning the dial while holding changes functions or increments.

<Window Open/ Close>

, Covers or uncovers the measuring window (right/left).

<Dial>

Changes the selected value.

<Dial button>

Changes the mode to SPH, CYL, AXIS, or VA.

<Measurement mode>

Selects the mode for data entry and measurement.

<Day/ Night>

Toggles between the day vision test and night vision test .

<Auxiliary lens selection>

Displays the auxiliary lens select window (right/left).

<Chart selection>

Select the chart to be presented.

<Program selection>

Displays the program select window.

<Favorites registration>

Displays icons for charts added as favorites.

<Help button>

Displays the explanation for the presented chart.

<Patient's eye selection>

Selects the right eye, binocular eyes, or left eye.

<Output>

- Exports or prints data.
- Clears data.

<Cross cylinder switching>

Places the cross cylinder lens and enters AXIS or CYL mode.
This button is used to flip the cross cylinder lens in AXIS or CYL mode.

<VA chart masking>

- Isolates a vertical column. Pressing the button again isolates its left or right column.
- Isolates a horizontal row. Pressing the button again isolates its upper or lower row.
- Isolates a horizontal row.
- Isolates a single letter.

Side Menu

- ◆ The side menu displayed by pressing  on the measurement screen enables operations other than measurement.

<Close>

 Closes the side menu.

<ID>

Used to enter the patient ID.

<Age>

Used to enter the patient's age.

<Data list>

Displays the measurement data list.

<Range of Clear Vision>

Displays the clear vision range check screen.

<[+], [-]>

Selects a cylinder reading sign from plus and minus.

<Lamp off>

Turns off the chart lamp, touch screen backlight, and near point lamp.
To turn them on, press any button.

<Ch. Lamp>

Turns the chart lamp on or off.

<About Eye>

Displays the Refraction diagram list screen.

<Image>

Displays images saved on the SD card.

<Setting>

Displays the menu screen.

<Near chart>

Displays the near chart screen.

<Amsler grid>

Displays the Amsler grid screen.

<[R], [L]>

Displays OPD images of the right or left eye (only when data is imported).

<Near Lamp>

Turns on or off the near point lamp.

<Level>

Used to align the chart height to the patient's eye level (only when the SSC-370 is connected).

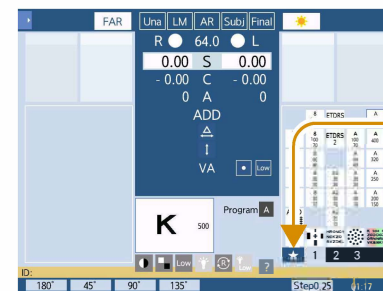
<Link off>

Disables auxiliary lenses or mode (SPH, CYL, AXIS) from being automatically switched when the chart is changed.

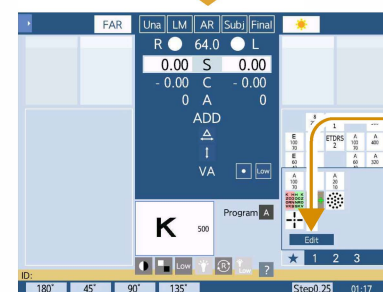
<Vision through lens>

Displays the vision image screen.

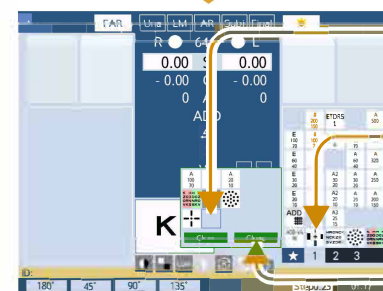
Favorites Chart Registration



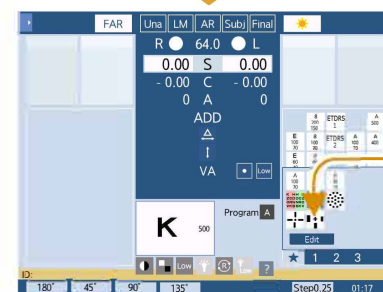
- 1 Press .
Displays the Favorites area (blue frame).



- 2 Press .
Displays the Edit area (green frame).



- 3-1 Press the position where a chart is to be placed. A cursor is displayed.
- 3-2 Select the icon of the desired chart. The chart is added at the cursor position.
- 3-3 Press .



To clear the registration, press , select the chart to be cleared, then press .

- 4 The chart is added to favorites.

TRS-6100 Transition From 5100 Quick Reference Guide

If you used a 5100 and cannot find a button on the 6100, that function has likely moved to the touch screen. Use the on-screen controls across the display to access common data-entry and testing functions.

MAIN USER DIFFERENCES BETWEEN TRS-5100 AND TRS-6100 KEYPAD

- **Touch-screen controls:** Touch **PD** on screen to open and adjust pupillary distance. The same touch-screen method is used for **AR, LM, SUBJ, S/C/A, ADD, VA, and Prism**.
- **Clear data:** Hold **Shift**, then press **Output** while continuing to hold **Shift**.
- **Print or send to EHR:** Press **Output** once or twice, depending on the system list settings.
- **Pre-test card location:** The card with pre-test data is inserted behind the screen. Flip the screen back to access it.
- **Testing near:** Touch **ADD** or select the **Near** chart in the chart selection area, then choose the patient age at the bottom of the screen.
- **Compare old vs. new:** Change on-screen from **SUBJ** to **Una** if the patient has no glasses, or from **SUBJ** to **LM** if spectacle data is recorded.
- **Cross cylinder setup:** Default is **Auto**. To change to traditional **.25 JCC**, ask installer.

PHORIA TESTING TIPS

Horizontal Phoria

Use a **vertical line of letters**. Ask the patient to **close their eyes** first, then dial in **4 BI OU** (toward the green) and ask: **"Do you see 2 sets of letters?"** Once the split is seen, continue with: **"Tell me when the letters line up like buttons on a shirt."** Then dial out prism until the letters line up.

Vertical Phoria

Use a **horizontal line of letters**. No prism needs to be dialed in first. Ask: **"Do you see 2 sets of letters?"** Then ask: **"Are the letters lined up like headlights on a car, or is one side higher than the other?"** The images should be level. If not, dial prism toward the **higher image** until the letters line up.

Cylinder Refinement

There are two methods to refine cylinder power (Auto or Traditional JCC) which can be changed anytime during a refraction

CYLINDER REFINEMENT STEPS

- To change between Auto and Traditional **J.C.C. (Jackson Cross Cylinder)** touch the bottom of the screen labeled "**Auto**". It changes to ± 0.25 J.C.C.
- **Note:** Ask installer to set preferred refinement method as default

Turn dial towards preferred XC (Auto)

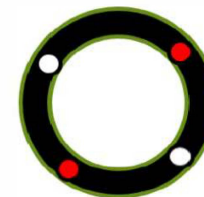
Use hard buttons  and turn towards preferred

Auto



Patient sees two images

Traditional JCC



Patient sees one image

Programs

Program A

20/50 or better OU

Program B

20/60 or less (poor vision)

Choose the program based on the patient's visual acuity while wearing their glasses or using pinhole (PH).

PROGRAM OPERATION

- **Start the program:** Press the dark arrow button below the **Input** key. The PD must be displayed before the program will start.
- **Advance to the next step:** Press the same dark arrow button.
- **Return to the previous step:** Hold **Shift** and press the same dark arrow button.
- **Change programs:** Touch the dark gray letter box next to **Program** on the screen.
- Select and touch the desired program on the screen.
- The letter shown in the gray box will update to the selected program.

Quick note: You can jump out of a program to freestyle, then touch the dark arrow to pick up at last step before exiting the program.

TRS-6100 Shift Key Quick Reference Guide

Hold the SHIFT key while pressing another control to access the alternate function below.
The alternate function remains active only while SHIFT is held.

SHIFT + CONTROL	ALTERNATE FUNCTION
■ R or L eye selection	Selects the dominant eye. The selected eye is shown with a yellow highlight.
■ Program Advance	Returns to the previous step while a refraction program is running.
■ Main control knob - SPH / CYL	Changes the value by 1.00 D instead of 0.25 D.
■ Main control knob - AXIS	Changes the axis by 1° instead of 5°.
■ Main control knob - PRISM	Changes prism by 2.00 Δ instead of 0.50 Δ.
■ LM data to SUBJ	Touch LM, hold SHIFT, then touch SUBJ on the active screen. LM data is entered directly into SUBJ instead of starting from AR.
■ Red or Green key	Changes sphere by 1.00 D instead of 0.25 D.
■ ADD	Used for NPC, NRA, and PRA.
■ Middle Isolate	Adds a red/green filter to the displayed chart.
■ Upper-left button above round knob	Presents the top line of letters.
■ Upper-right button above round knob	Presents the bottom line of letters.