NIDEK

SC-1600 *Pola* / 1600

THE ART OF EYE CARE

In contrast to conventional visual acuity systems, the S

🐦 System Integration
The SC-1600Pola / 1600 can be synchronized and integ
When synchronized, chart images adjustments are pos

■ Selectable Working Distance
The working distance can be pre-selected from 2.5 to 6 m in increments of 1 cm or 1 inch, accommodating any size exam room. The image size can be reduced or enlarged corresponding to the established working distance to keep the same visual angle. The same working distance is also adjustable to accommodate mirrored exam rooms.

(Mirror mode)

■ Wide Range of Image Display
The 17-inch LCD screen allows VA 0.04 to 2.0 images to be displayed.

■ Contrast Test
To support patients who have undergone cataract or refractive surgery, the SC-1600Pola / 1600 has the ability to measure contrast sensitivity at three different levels below the normal threshold.

| 100% | 25% | 12.5% | 6% |

■ Night Mode
The NIDEK SC-1600Pola / 1600 provides "Night mode" to examine night-time visual acuity under low light condition.

SC-1600 (Pola) / 1600 Chart Types

	Sample		Type T*1	Type PhM*1	Type P*1
Letter	Z	TDEPA VLNEK DAOFR	0.04 to 1.5	0.04 to 2.0	0.04 to 2.0
Number	5	35698 68239 86953	0.04 to 1.5	—	0.1 to 1.25
Tumbling E	ᄆᄐ쓰 ᄐᄆᄐ		0.1 to 1.5	0.04 to 1.6	0.1 to 1.2
Landolt C	C		—	—	—
Children	🐦		0.1 to 1.0	0.1 to 1.25	0.1 to 1.0
ETDRS style letters			0.32 to 2.0	0.32 to 2.0	0.32 to 2.0
Others			Astigmatism clock dial Binocular balance Cross grid Dots Duochrome balance Fixation point Phoria Phoria with fixation point Red-green Schober Stereo Vertical coincidence Worth four dot	Astigmatism clock dial Binocular balance Cross grid Duochrome balance Fixation point Mallet (horizontal phoria) Mallet (vertical phoria) Phoria with fixation point Red-green Schober Stereo Worth four dot	Binocular balance Cross grid Dots Duochrome balance Fixation point Horizontal coincidence Schober Stereo Vertical coincidence Worth four dot

C-1600Pola / 1600 displays the digitally stored chart images directly on the LCD screen.

...rated with the NIDEK Intelligent Refractor for more refined and smoother examinations.
...sible using the Intelligent Refractor control box.

◼ Polarized Charts for Binocular Test*

The SC-1600Pola adopts the state-of-the-art technology, special LCD to polarize charts, which provides binocular assessment in a conventional way with stylish design.
*only for the SC-1600Pola

◼ Indication of a Slide Image

In addition, the SC-1600Pola / 1600 image can also be stored to an SD memory card. Besides time to spend as an eyesight test chart, it is also possible to advertise the PR of a shop and the article by "the slide function" of the normal device. There are a lot of 3-D images of the topic now.

◼ Black and White Inverse Function

The VA chart background can be selected from black on white to white on black.

◼ Center Display Functions

The SC-1600Pola / 1600 provides single letter and horizontal / vertical line masking, with the image always displayed in the center of the screen. Characters displayed on horizontal line isolation can be randomized to prevent letter memorization.
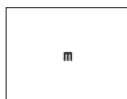
Single letter   Horizontal line   Vertical line
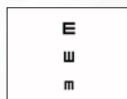
Type M[1]	Type UK[1]	Type G+ [1][3]	Type G [1][3]	Type U [3][4]	Type F [3][4]	Type ISO [3][4]
500 to 10	150 to 4	0.04 to 1.6	0.1 to 1.6	400 to 10	0.05 to 1.2	—
200 to 10	12 to 4	0.04 to 1.6	0.04 to 1.6	200 to 10	0.2 to 1.2	0.05 to 1.6
100 to 10	—	0.04 to 1.6	—	100 to 15	0.1 to 1.2	0.1 to 1.25
—	150 to 4	0.04 to 1.6	0.04 to 1.6	—	0.1 to 1.2	0.1 to 1.6
200 to 20	38 to 6	0.1 to 1.6	0.16 to 1.0	100 to 20	0.1 to 1.0	0.16 to 1.0
64 to 10	20 to 3	0.32 to 2.0	0.32 to 2.0	—	—	—
Binocular balance Dots Fixation point Horizontal line Phoria with fixation point Red-green Stereo Vertical coincidence Vertical line Worth four dot	Astigmatism clock dial Binocular balance Dots Duochrome balance Fixation point Muscle Red-green Stereo Worth four dot	Astigmatism clock dial Binocular balance Dots Duochrome balance Fixation point Horizontal coincidence Phoria Pointer / Double pointer Red-green Schober Stereo*2 Vertical coincidence Contrast VA	Astigmatism clock dial Binocular balance Dots Duochrome balance Fixation point Phoria Red-green Schober Stereo Vertical coincidence	Astigmatism clock dial Binocular balance Dots Fixation point Horizontal line Phoria Phoria with fixation point Red-green Schematic eye Stereo Vertical coincidence Vertical line Worth four dot	Astigmatism clock dial Binocular balance Cross grid Dots Duochrome balance Fixation point Horizontal coincidence Phoria Red-green Schober Stereo Vertocal coincidence Worth four dot	Astigmatism clock dial Binocular balance Dots Duochrome balance Fixation point Phoria with fixation point Red-green Schober Stereo Vertical coincidence Worth four dot

*1 only with the RT-5100 / 3100   *2 including four types (Stereo / Stereo triangle / Stereo balance / Stereo four lines)
*3 only for the SC-1600Pola   *4 only with the RT-2100 / 900

SC-1600 Ⓟola / 1600 Specifications

Model	SC-1600 Ⓟola	SC-1600
LCD		
Type	17-inch SXGA liquid crystal display	←
Resolution	1280 x 1024 pixels	
Brightness	200 cd / m² (night mode 10 cd / m²)	
Charts		
VA range	Decimal : 0.04 to 2.0	←
	20 ft : 500 to 10	
	6 m : 150 to 3	
Chart type	T, PhM, P, M, UK, G+, G, U, F, ISO	T, PhM, P, M, UK
Distance of installation	2.5 to 6 m, 1 cm / 1 " increments	←
Binocular vision test	Polarized chart	Red-green, Prism
Chart changeover devices	Remote control (optional)	←
	Control box for the NIDEK Intelligent Refractor RT-5100, RT-3100	
Memory card	SD memory card / Built-in card slot	←
Power supply	AC 100 to 240 V	←
	50 / 60 Hz	
Power consumption	100 VA	←
Dimensions / Mass	520 (W) x 47 (D) x 455 (H) mm / 5 kg	←
	20.5 (W) x 1.9 (D) x 17.9 (H) " / 11.0 lbs.	
Standard accessories	Polarized glasses, Tilt adapter, Wood screws, Power cord, Positioning paper	Hanging plate, Wood screws, Power cord, Positioning paper
Optional accessories	Red-green glasses, Reflection mirror, Floor stand, Table stand, Communication cable for the refractor, Remote control	Red-green glasses, Prism glasses, Reflection mirror, Floor stand, Table stand, Communication cable for the refractor, Remote control

Product / Model name: System Chart SC-1600

Caution: U.S. Federal Law restricts this device to sale, distribution, and use by or on the order of a physician or other licensed eye care practitioner.

Specifications may vary depending on circumstances in each country.

Specifications and design are subject to change without notice.

Eye & Health Care

NIDEK CO., LTD.

VEGETABLE OIL INK