



System Chart

# SC-1600Pola / 1600



*The Art of Eye Care*

# System Chart SC-1600Pola / 1600

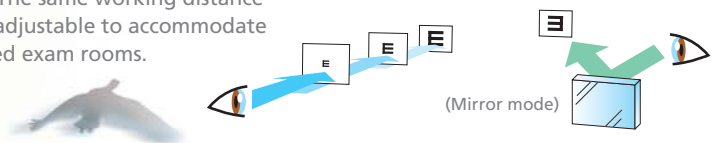
*In contrast to conventional visual acuity systems, the SC-1600Pola / 1600*

## System Integration

The SC-1600Pola / 1600 can be synchronized and integrated with other systems. When synchronized, chart image adjustments are possible.

## ■ Selectable Working Distance

The working distance can be pre-selected from 2.5 to 6 m in increments of 50 cm, 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.



## ■ Wide Range of Image Display

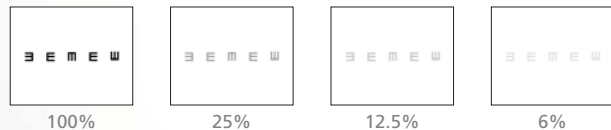
The 17-inch LCD screen allows VA 0.04 to 2.0 images to be displayed.

## ■ Maintenance Free

















Efficient, LCD technology eliminates common maintenance procedures and bulb replacement.

## ■ 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.



## SC-1600Pola / 1600 Chart Types

	Sample	Type T	Type PhM
Letter	 	0.04 to 1.5	0.04 to 2.0
Number	 	0.04 to 1.5	—
Tumbling E	 	0.1 to 1.5	0.04 to 1.6
Landolt C	 	—	—
Children	 	0.1 to 1.0	0.1 to 1.25
ETDRS	 	0.32 to 2.0	0.32 to 2.0
Others	   	Astigmatism clock dial Binocular balance Cross grid Dots Duochrome balance Fixation Phoria Phoria with fixation Red-green Schober Stereo Vertical coincidence Worth	Astigmatism clock dial Binocular balance Cross grid Duochrome balance Fixation Mallet (horizontal) Mallet (vertical) Phoria with fixation Red-green Schober Stereo Worth



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

Equipped with the NIDEK Smart Refractor for more refined and smoother examinations. Available using the Smart 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 3D 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.

### ■ Smart Display Functions

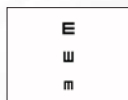
The SC-1600Pola / 1600 provides single letter and horizontal/vertical line masking, with the image always displayed in the center of the screen. Characters displayed on horizontal line isolation can be randomized to prevent letter memorization.



Single letter



Horizontal line



Vertical line



Type P	Type M	Type UK	Type G+*	Type U*	Type F*	Type ISO*
0.04 to 2.0	500 to 10	150 to 4	0.04 to 106	400 to 10	0.05 to 1.2	—
0.1 to 1.25	200 to 10	12 to 4	0.04 to 1.6	200 to 10	0.2 to 1.2	0.05 to 1.6
0.1 to 1.2	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	—	0.1 to 1.2	0.1 to 1.6
0.1 to 1.0	200 to 20	38 to 6	0.1 to 1.6	100 to 20	0.1 to 1.0	0.16 to 1.0
0.32 to 2.0	64 to 10	20 to 3	0.32 to 2.0	—	—	—
Binocular balance Cross grid Dots Duochrome balance Fixation Horizontal coincidence Schober Stereo Vertical coincidence Worth	Binocular balance Dots Fixation Horizontal line Phoria with fixation Red-green Stereo Vertical coincidence Worth	Astigmatism clock dial Binocular balance Dots Duochrome balance Fixation Muscle Red-green Stereo Worth	Astigmatism clock dial Binocular balance Cyclophoria Dots Duochrome balance Fixation Phoria Red-green Schober Stereo Vertical coincidence VA contrast	Astigmatism clock dial Binocular balance Dots Fixation Horizontal line Phoria Phoria with fixation Red-green Schematic eye Stereo Vertical coincidence Vertical line Worth	Astigmatism clock dial Binocular balance Cross grid Dots Duochrome balance Fixation Horizontal coincidence Phoria Red-green Schober Stereo Vertical coincidence Worth	Astigmatism clock dial Binocular balance Dots Duochrome balance Fixation Phoria with fixation Red-green Schober Stereo Vertical coincidence Worth

\*only for the SC-1600Pola

## SC-1600Pola / 1600 Specifications

Model	SC-1600Pola	SC-1600
LCD		
Type	17-inch SXGA liquid crystal display with long lasting backlight	←
Resolution	1280 x 1024 pixels	←
Brightness	200 cd/m <sup>2</sup>	←
Charts		
VA range	Decimal : 0.04 to 2.0 20 f : 500 to 10 6 m : 150 to 3	←
Chart type	T, PhM, P, M, UK, G+, U, F, ISO	T, PhM, P, M, UK
Distance of installation	2.5 to 6 m, 0.5 m increments	←
Binocular vision test	Polarized chart	Red-green, Prism
Chart changeover devices	Remote control (optional) Control box for the NIDEK Smart 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 455 (H) x 47 (D) mm / 5 kg 20.5 (W) x 17.9 (H) x 1.9 (D) " / 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

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 and design are subject to change without notice.



Eye & Health Care

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