



System Chart
SC-1600



The Art of Eye Care

System Chart

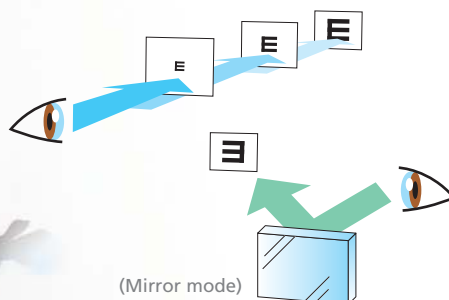
SC-1600

In contrast to conventional visual acuity systems, the



■ 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.



■ Smart Display Functions

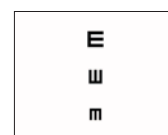
The SC-1600 provides single letter and horizontal/vertical line masking, with the image always displayed in the center of the screen. Characters displayed on a horizontal line isolation can be randomized to prevent letter memorization.



Single letter



Horizontal line



Vertical line

■ 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-1600 has the ability to measure contrast sensitivity at three different levels below the normal threshold.



100%



25%



12.5%



6%

The SC-1600 displays the digitally stored chart images directly on the LCD screen.

■ System Integration

The SC-1600 can be synchronized and integrated with the NIDEK Smart Refractor for more refined and smoother examinations. When synchronized, chart images adjustments are possible using the Smart Refractor control box.

■ Indication of a Slide Image

In addition, the SC-1600 image can also be stored to an SD memory card.




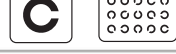



■ Black and White Inverse Function

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

■ Maintenance Free

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

SC-1600 Chart Types

	Sample	Type T	Type PhM	Type P	Type M	Type UK
Letter		0.04 to 1.5	0.04 to 2.0	0.04 to 2.0	500 to 10	150 to 4
Number		0.04 to 1.5	—	0.1 to 1.25	200 to 10	12 to 4
Tumbling E		0.1 to 1.5	0.04 to 1.6	0.1 to 1.2	100 to 10	—
Landolt C		—	—	—	—	150 to 4
Children		0.1 to 1.0	0.1 to 1.25	0.1 to 1.0	200 to 20	38 to 6
ETDRS		0.32 to 2.0	0.32 to 2.0	0.32 to 2.0	64 to 10	20 to 3
Others		Red-green Dots Binocular balance Duochrome balance Cross grid Astigmatism clock dial Phoria Phoria with fixation Vertical coincidence Schober Stereo Worth Fixation	Red-green Cross grid Binocular balance Duochrome balance Astigmatism clock dial Phoria with fixation Mallet (horizontal) Mallet (vertical) Schober Stereo Worth Fixation	Dots Binocular balance Duochrome balance Cross grid Stereo Vertical coincidence Horizontal coincidence Schober Worth Fixation	Red-green Dots Binocular balance Duochrome balance Vertical line Horizontal line Vertical coincidence Phoria with fixation Stereo Worth Fixation	Red-green Dots Binocular balance Duochrome balance Astigmatism clock dial Muscle Stereo Worth Fixation

SC-1600 Specifications

LCD	Type	17-inch SXGA (1280 x 1024 pixels)	
	Brightness	200 ±50 cd/m ² with a typical chart displayed	
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		
Distance of installation	2.5 to 6 m, 0.5 m increments		
Binocular vision test	Red-green, Prism		
Chart changeover devices	Remote control, 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) / 5 kg		
	20.5 (W) x 17.9 (H) x 1.9 (D) " / 11.0 lbs.		
Standard accessories	Hanging plate, Wood screws, Power cord, Positioning paper		
Optional accessories	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.



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