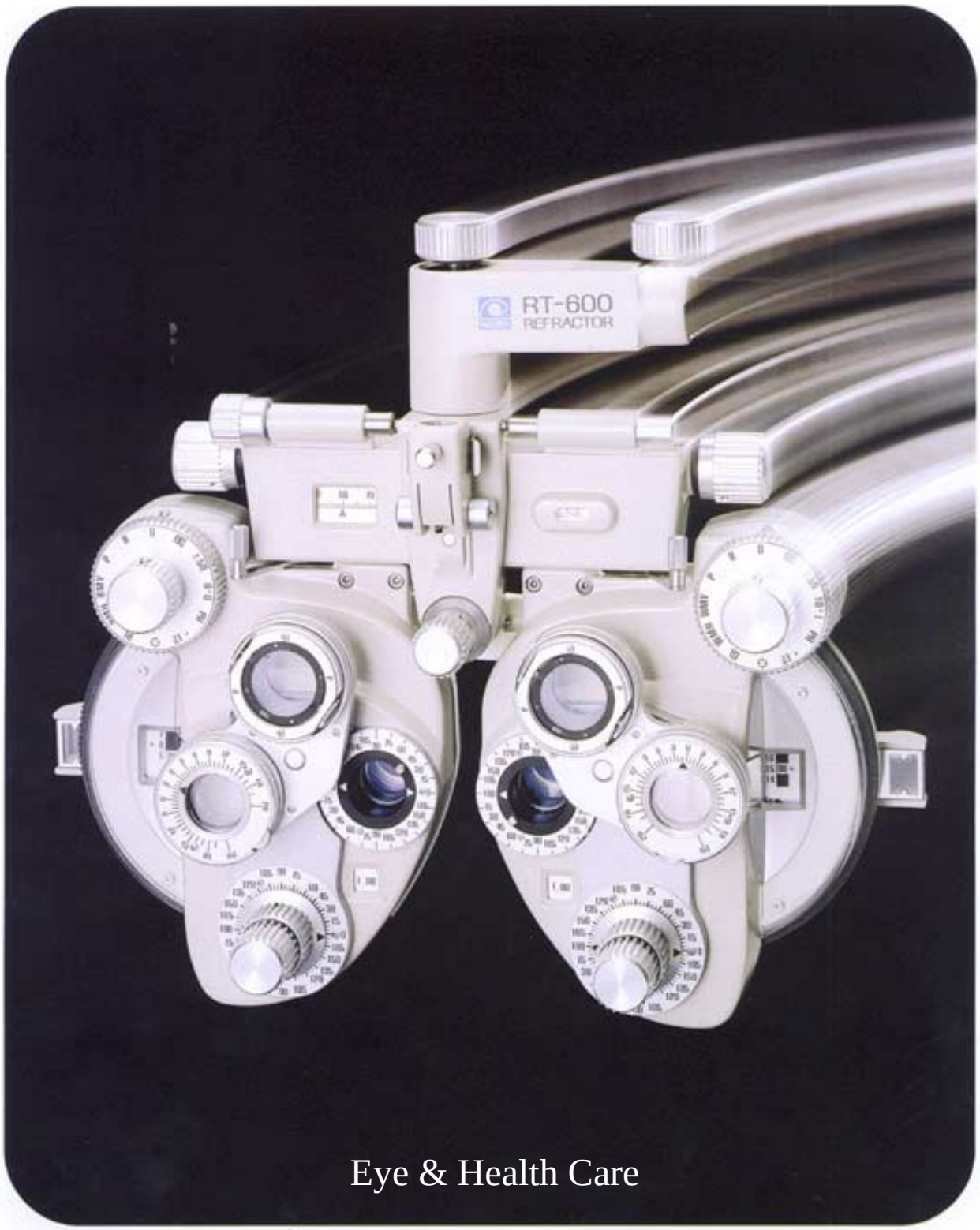
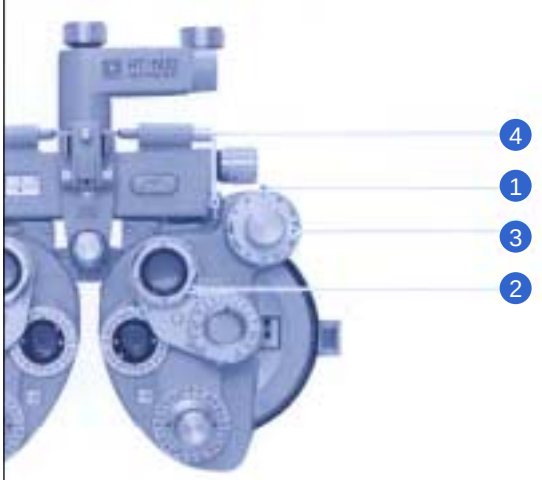
REFRACTOR **RT-600**

NIDEK



Eye & Health Care

Operation, Accuracy --- Features that have gained the trust of our customers



Smooth, accurate measurement of spherical and cylindrical features

Measurement of spherical features can be made in the range between +16.75 and -19.00 D; for cylindrical features, between 0 and -6.00 D, each adjustable in increments of 0.25 D. Even greater accuracy can be obtained by making measurements in 0.12 D increments by using the auxiliary lenses, which permit an increased range of between +26.75 and -29.00 D (Option) for spherical measurements, and up to -8.00 for cylindrical measurements. In addition, the spherical power quick forwarding dial 1 can be used to make adjustments in 3.00 D step intervals, resulting in efficient, as well as accurate measurements.

Unique cross cylinder configuration

Both the cylindrical axis and cross cylinder lens can be engaged, thanks to the unique NIDEK configuration, which permits easy control with a simple turn of the cross cylinder knob 2
Three types of ±0.25 D, ±0.37 D, and 0.50 D cross cylinder lens are available.
Both ±0.37 D and ±0.50 D are options.

Auxiliary lenses

A full complement of auxiliary lenses are built-in 3, which are enable to do any type of measurement.

Convergence system

Shifting the convergence lever 4 to the inside lets the patient be examined under optimal conditions.

Specifications

Measurement Range	
Sphere	+16.75 - -19.00 D When using aux. Lens (+/-10 D: Option): +26.75 - -29.00 D
Cylinder	0.00 D - -6.00 D When using aux.lens (-2.00 D): 0.00 D - -8.00 D
Axis	0° - 180°
Prism	0 - 20△
Measurement Increments	
Sphere	0.25 D When using aux. Lens (+0.12 D): 0.12D
Cylinder	0.25 D When using aux. Lens (-12.0 D): 0.12 D
Axis	5°
Prism	1△
Cross Cylinder Configuration	Operates cylindrical axis Cross cylinder lens: +0.25, ±0.37 D (Option), ±0.50 D (Option)
PD Adjustment	50 - 75 mm
Convergence Adjustment	-380 mm (when PD is 64 mm)
Forehead Rest Adjustment	16 mm

Vertex Distance	13.75 mm (Normal)
Dimensions & Weight	336 (W) x 94 (D) x 293 (H) mm Approx. 5 kg

Auxiliary Lenses

	Symbol	Name (details)
For right eye	O	Open aperture
	R	Retinoscope lens +1.50 D (standard)
	P	Polaroid (polarization sheet) 135°
	RMV	Vertical Maddox rod (red)
	RMH	Horizontal Maddox rod (red)
	RL	Red lens
	⊕	Test mark for PD adjustment
	+.12	Sphere lens +0.12 D
	PH	Pin hole
	6△U	6△ base up
	±.50	±.50 D fixed cross cylinder
	OC	Occluder
For left eye	O	Open aperture
	R	Retinoscope lens +1.50 D (standard)
	P	Polaroid (polarization sheet) 45°
	WMV	Vertical Maddox rod (white)
	WMH	Horizontal Maddox rod (white)
	GL	Green lens
	⊕	Test mark for PD adjustment
	+.12	Sphere lens +0.12 D
	PH	Pin hole
	10△I	10△ base in
	±.50 D	±.50 D fixed cross cylinder
	OC	Occluder

Specifications and design are subject to change without notice for improvement.

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