

RK700

Auto Refractor/Keratometer

Fast, Accurate, All-in-One Auto Refraction and Keratometry.

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TECHNOLOGIES
Advancing Eye Care. Preserving Sight.™

RK700 Auto Refractor/Keratometer

The **RK700** is a fast, accurate and easy to use refraction and keratometry measurement system that automatically aligns and measures both right and left eyes. Measurement and output settings can be customized to meet your needs and preferences.

Fast: Use the joystick to bring your target within range and let the auto alignment feature take over to quickly align and measure each eye, minimizing the time required for set-up and measurement. Multiple refraction and keratometry measurements can be initiated with the touch of a button on top of the joystick.

Easy: The large, tilted LCD monitor allows easy viewing of the screen and icon controls while standing or in a seated position. The motorized chinrest can be moved up or down using the switch at the front of the machine.

Customizable: Choose from a variety of measurement modes including:

- Auto Refraction
- Auto Keratometry
- Corneal-peripheral curvature
- Photo (takes an anterior image of the eye)
- Intraocular Lens Measurement
- Switch the vertex distance for eyeglasses or contact lens measurement



Specifications

Catalog Number:	**15160** RK700 Auto Refractor/Keratometer

Refractive Measuring Range

Sphere:	-30.00D through +22.00D (0.12D, 0.25D steps)
Cylinder:	0 through ±10.00D
Axis:	0° through 180° (1° steps)

Keratometric Measuring Range

Radius of Curvature:	5.00 mm to 10.00 mm (0.01 mm steps)
Corneal Power:	33.75D to 67.50D
	(0.12D, 0.25D steps)
Cylinder:	0 through ±10D (0.12D, 0.25D steps)
Axis:	0° through 180° (1° steps)
Peripheral:	Φ 7.0 mm

Measuring Accuracy

Sphere:	-10.00D through +10.00D = ±0.25D, else 0.50D
Cylinder:	±0.25D

Other

Vertex Distance:	0, 10, 12, 13.5, 15 mm
PD Range:	85 mm (1 mm steps)
Min. Pupil Diameter:	2.2 mm (>2.2 mm increases standard measurement error)

Printer

Thermal Line Printer with auto-cutter (paper width 57 mm)

Display

7.5 inches, color LCD

Other Specifications

Vertical Adjustment Range for Chin Rest:	±30 mm
Dimensions:	10.5 W x 18.3 D x 17.5 H inches (266 W x 465 D x 445 H mm)
Weight:	Approx. 35 lbs. (16 kg)
Data Output:	RS232C and USB interfaces
Power Source:	100~240 V 50/60 Hz
Consumption:	90 VA
Fuses:	250 VAC, 2 Amps
Power Saving Function:	OFF, 3, 5, 10 min. (selectable)
Standard Accessories:	Printer Paper, Dust Cover, Verification Eye, Power Cord, Chin Rest Liners and Pins, Fuses, CD with USB drivers and PictureReceiver Software for photos.

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