

SPEEDY-1 AND SPEEDY-K AUTOREFRACTOR



SPEEDY



The World's Fastest Auto Refractor

Speedy-1

Accurate Readings

Fast readings mean accurate readings, because there is less chance of eye movement and accommodation. RIGHTmedical's unique technology combines the chopper and image rotator into one function to increase speed and accuracy.

Customization is Possible for Every Setting

Medical Retro Mode Switch



Quick Mode



Fixation Intensity Switch



Mode Change and Selection



VD Change for Contact Lenses



Print Switch for Manual Use



Compact Size with Large Monitor

Operators can easily use the chin rest knob while maintaining a clear observation of the patient's condition while viewing the 5.5" monitor.

Medical Retro Illumination Mode

Check to see if there are any opacities in the eye using the Retro mode.

300 Patient Memory

The instrument can store data for up to 300 patients (600 eyes).

Quick Mode

Once the quick mode is selected, the Speedy goes into Continuous Reading Mode, shortening fogging and making the measurements of children and patients with nystagmus much easier.

Wireless Data Transfer

Reading data is wirelessly transferred up to four Remote Vision units. RS-232C cable or external data receiver can also be used.



Mire Ring

The Mire Ring can also be used to check whether or not the patient has corneal distortion astigmatism; the ring becomes distorted if the patient has a strong irregular cylindrical power.



Healthy Eye



Cataract



Speedy-K

- Automatic printing of both the Keratometry and Refraction data.
- Simultaneous and automatic wireless transfer to a Remote Vision unit.
- 0.35 second measuring time for each reading, plus you receive the most accurate data without having to press any keys.
- Even when taking a Peripheral Keratometry reading, it completes a set of Refraction, Central Keratometry and Peripheral Keratometry readings in only 0.45 seconds per reading.
- Quick Mode, Retro Function and Fixation Intensity Change all ensure accurate readings.
- 100 patient memory.

Peripheral Data

The Tangential method measures four peripheral points in 25° direction concurrently, dramatically saving time. Refraction, Keratometry Center and Peripheral data are all taken simultaneously, in a 0.45 second reading.

Simultaneous Measurement

Measure Refraction and Keratometry data continuously and automatically in an amazing 0.35 seconds per reading.

Wider Reading Range

For Keratometry, Speedy-K boasts a corneal radius curvature range of 5 - 11mm and a corneal astigmatism range of up to 12D. For refractions, its spherical range is from -18D to +23D, while its cylindrical range is up to 12D.

Video Jack

For viewing on a separate monitor, a video jack is also provided.

2.5mm Pupil Diameter Plus Light Intensity Control

The minimum pupil diameter is 2.5mm. Moreover, the light intensity of the fixation chart can be reduced for patients whose eyes are overly sensitive to light. In addition, the improved Tree target is easy to see, and is familiar, even for children. The periphery of the target is slightly blurred so that the patient will focus easily on the center of the target.

Contact Lens Measurement

Speedy-K also permits measurement of contact lens curvatures by using a dedicated contact lens holder.



SPEEDY 1 AND SPEEDY K - AUTOREFRACTOR

SPEEDY-1 / SPEEDY-K	
Measurement Range	S -18D to 23D
Automatic System	Automatic data select & finish; automatic patient detection
Minimum Pupil Diameter	2.5mm
Measurement Time	0.01 sec.
Continuous Measurement	0.2 sec. (display time)
Quick Mode	0.12 sec. (display time)
Measurement Mode	Full automatic/manual/continuous selectable
Number of Printings (normal eye)	Auto: 5 times per eye Manual: 8 times per eye
Fixation Chart	Improved Tree picture target; High/Low selectable intensity
Alignment	Mire ring (18 dots), square target, outside alignment mark
PD Measurement	Up to 80mm (in mm increments)
VD Selection	0.0 and one of 12.0, 13.5, 13.75, 15.0, 16.0 mm
Monitor	5.5-inch black and white
Printer	Line printer (paper width 58mm)
IOL	Automatic
Interface	Infrared wireless/RS-232C selectable
Keys	Function key x 4; set key x 1
Tabletop to Eye Point Distance	14.9"
Data Storage	300 people
Dimensions (w x l x h)	10 x 18.90 x 18.62 inch.
Weight	37.5 lbs
Regulations Approved	CE, GM, MDD
KERATOMETRY (SPEEDY-K ONLY)	
Measurement Range	Radius Curvature: 5mm to 11mm (0.01mm increments) 67.5D to 30.62D Corneal Astigmatism: 0 to 12D (in 0.12D increments)
Measurement Area	Center: Ø3.2mm (R8mm)
GENERAL	
Eyeball Diagram Printing	Standard
Data Memory	100 patients (for refraction and keratometry)
Dimensions	10x18.90x18.62 inch.
Weight	Approx. 37.5lbs.
Regulations	CE, GM, MDD

Distributed by: