VIEWLIGHT®
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Autorefractors & Keratometers

RK11

FDA

Autorefractors & Keratometers

RK11

1. Headrest
2. Height Lining Mark
3. Measurement Window
4. Printer
5. USB & Ethernet Connection
6. Chin Rest
7. Measurement Monitor
8. Operation Buttons & Wheel
9. Measure Buttons & Body Wheel
10. Power Switch
11. Operation Lever
12. Power IN LET
13. RS-232 Connector
14. EXT Video
15. Stage Holing Lever
16. Chinrest Up / Down Buttons

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Features:

- Ergonomic design, high quality optics and precision mechanical parts.
- RK11 offers a built in bluetooth software for Android and iOS applications designed for users to control the chart and phoropter while all data test are sent effectively and efficiently.
- RK11 not only perform Refractometry and Keratometry, but also performs peripheral Keratometry and corneal size measuring.
- Provides user-friendly environment by adopting smooth curved shape, stylish color, user-centered design and user interface.
- RK11 has a wide range measurement of refractive power range from -30.00D - +25.00D. This allows measuring a patient suffering from severe myopia.

Jog Dial Measurement Button / Wheel

Height Auto Tracking

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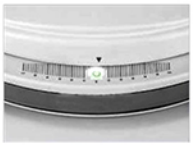
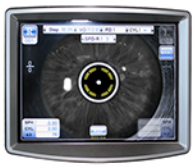
RK11

Product Introduction

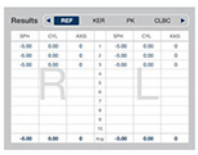
RK11 features an Illumination sensor which automatically detects the brightness of the room and compensates the measurement results in order to provide adequate results.



RK11 has a convenient PD measurement reader which can be easily obtained using the PD ruler to located on the lower base.

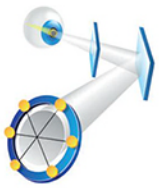


RK11's software offers an automatic vertical tracking function to locate the exact center of the pupil easily and rapidly. Also targets the image brightness controls measurements.



RK11 has a built auto-save feature, which saves the previous test records of both eyes and allows a much easier data management.

RK11 supports various modes of measurements such as Refractometry (REF), Keratometry (KER), Contact Lens Base Curve measurements (CLBC), Peripheral Keratometry (PK) and Pupils / Iris diameters measurement (SIZE) are supported.



RK11 has a Ophthalmic System to reflect light from the retina and passing it through the cornea. This measurement is separated by using the filter and prism for accurate data

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Product Specifications

RK11

Measurements Mode

K/R Mode	Continuous Kerratometry and Refractometry
REF Mode	Refractometry
KER Mode	Keratometry
CLBC Mode	Contact lens base curve measurements
PK mode	Peripheral Keratometry
Size	Pupil size measurement
Corneal Diameter	2.0 ~ 12.00mm

Refractometry

SPH (Sphere Power)	-25.00~ +22.00D
CYL (Cylinder Power)	0.00 ~ +/-10.00D
Axis	1 ~ 180º
VD (Vertex Distance)	0.0, 10.0, 12.0, 13.5, 15.0
PD (Pupil Distance)	10 ~ 85mm
Minimum Pupil Diameter	ø2.0mm

Keratometry

Corneal Power	33.00 ~ 67.50D
Corneal Astigmatism	0.00 ~ -15.00D
Radius of Curvature	5.0 ~ 10.2mm
Axis	1 ~ 180º

Hardware

Internal Printer	Thermal line printer
Power Saving	Power saved after set time 3 / 5 10 Min
Monitor	6.5 inch color TFT LCD (LED type)
Power Supply	AC 100V ~ 240V, 50/60Hz
Power Consumption	75W
Dimensions	260 (W) x 570 (D) x 440 (H) mm
Weight	16kg / 35.3lbs

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