

MEDIZS

Beyond Medical Excellence

SMART RK[®] 11

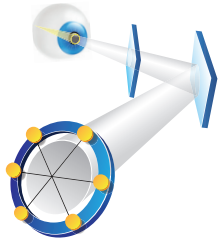
AUTO REFRACTO KERATOMETER

Extremely accurate & Speedy Measurement



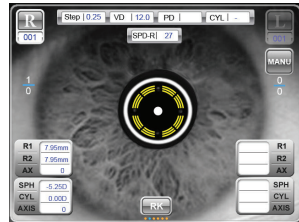
Smart RK[®] 11

Auto Refracto Keratometer



Ophthalmic System

The light reflected from the retina and passed through the cornea is divided into six rays, using separation filter and prism, in order to measure the refractive power of each one, increasing the accuracy of the data.



Automatic Vertical Tracking of the Pupil

The automatic vertical tracking function and horizontal movement inducing function enable users to find exact center of pupil easily and quickly.



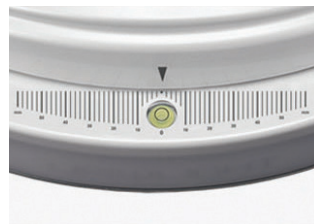
Illumination Sensor

The sensor automatically detects the brightness of the room and compensates the measurement result in order to provide the best environment for examination.



Multi Levels Locking System

The multi levels locking system allows users to minutely fasten or loosen the instrument while capturing an image.
/Patent No. KR10 - 1111393



Convenient PD Measurement

PD value can be instantly and conveniently measured by PD indicating ruler.
/Patent No.KR10-1134108



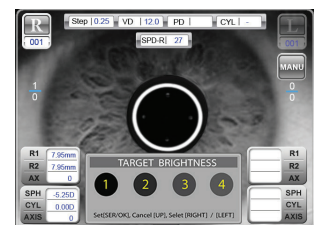
Gun-type Joystick

The ergonomically designed Gun-Type Joystick provides a comfortable grip and allows a fast measurement image shooting.



Automatic Chinrest Adjusting Mechanism

The automatic chinrest mechanism is easily adjustable using the UP & DOWN button which is located on the instrument's body.



Target Brightness Control

Four steps of Target Brightness control is very helpful for small pupil measurement. Less target brightness makes small pupil bigger then consequently, it helps to earn reliable measurement result.

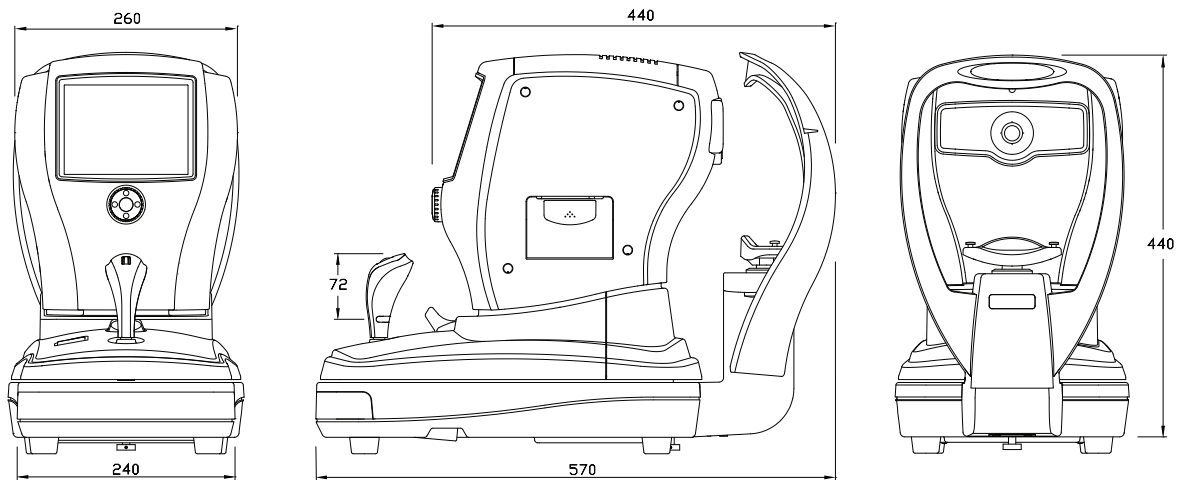


Effective Management of Examination data

All relevant data are sent directly to the EMR of MEDIZS Application via Bluetooth. EMR system provides effective management of all measurement data, and efficiency and enhanced workflow.



Specification



Measurement Mode

RK Mode	Continuous Refractometry and Keratometry
REF Mode	Refractometry
KER Mode	Keratometry
CLBC Mode	Contact Lens Base Curve Measurement
PK Mode	Peripheral Keratometry [Curvature of Corneal Periphery]
Size Mode	Pupil Size Measurement

Refractometry

SPH (Sphere Power)	-30.00 ~ +22.00D (When VD=12mm, Step: 0.12/0.25D)
CYL (Cylinder Power)	0.00 ~ +/-10.00D (Step: 0.12/0.25D)
AXIS	1° ~ 180° (Step: 1°)
VD (Vertex Distance)	0.0, 10.0, 12.0, 13.5, 15.0
PD (Pupil Distance)	10 ~ 85mm
Minimum Pupil Diameter	2.0mm

Keratometry

Corneal Power	33.00 ~ 67.50D (Step: 0.12/0.25D)
Corneal Astigmatism	0.00 ~ -15.00D (Step: 0.12/0.25D)
Radius of Curvature	5.0 ~ 10.2mm (Step: 0.01mm)
AXIS	1° ~ 180° (Step: 1°)
Corneal(Pupil) Diameter	2.0 ~ 13.00mm (Step : 0.01mm)

Type

Smart RK 11	RS - 232 Communication
Smart RK 11B	Bluetooth Communication

Storage Memory

Maximum 10 test results (per L/R eye)

Hardware

Internal Printer	Thermal line printer
Power Saving	3min / 5min / 10min
Monitor	6.5 inch color TFT LCD (LED Type)
Power Supply	AC 100V~240V, 50/60Hz (Free Voltage)
Power Consumption	35-65VA
Dimension	260(W)X570(D)X440(H)mm / 10.2(W)x22.4(D)X17.3(H)inch
Net Weight	16kg / 35.3lbs