Auto Ref-Topographer

REF TOPO RET-700

Specifications

Function	Eye refraction measurement	Spherical power	-20D to +30D(step: 0.12D/ 0.25D) VD=0
		Cylindrical power	0D to ±10D (step: 0.12D/ 0.25D)
		Axis angle	1 to 180 degrees (step: 1°/ 5°)
		Measurement range of cornealcurvature	φ2.0mm
	Corneal curvature radius	Corneal curvature radius	4.90mm to 10.10mm (step:0.01mm)
		Corneal refractive power	68.88D to 33.42D (step: 0.12D/ 0.25D) ＊corneal refractivity = 1.3375
		Corneal astigmatism	0D to ±10D (step: 0.12D/ 0.25D)
		Axis angle	1 to 180 degrees (step: 1°/ 5°)
	Measurement of corneal shape	Measurement range	φ0.4- φ10.7 (R8) mm
		Pattern of measurement light	19 cocentric circle ring patterns
		Measurement point	6,200
		Working distance	77.5mm
		Peripheral cornea	Approx. φ16 (R8) mm
		Axial	○
		Tangential	○
		Elevation	○
		Refractive	○
		Zernike	○
		Fourier	○
		Type	Placid Dome
	Fitting of contact lens		○
	Dry eye observation function		○
	Meibomian observation function		○
	Measurement of pupil diameter		φ2.0mm to φ8.5mm(step:0.1mm)
	Alignment method		Manual alignment
PC	Built-in		
Monitor	10.4 inches touch panel colored LCD (XGA)		
Printer	Thermal line printer (paper width 58mm)		
External interface	USB-A × 2, USB-B × 1, Ethernet (10/100Mbps) × 1		
Source voltage/ frequency	AC 100 to 240V, 50/60Hz		
Power consumption	90VA		
Power saving function	OFF, 3, 5, 10 min. (switchable)		
Size	H (507mm) × W(346mm) × D(422mm)		
Weight	17kg		

RET-700 Standard Accessories

- ■Operation manual
- ■Power cord
- ■Printer paper
- ■Fuse
- ■Dust cover
- ■Model eye
- ■Chinrest paper
- ■Chinrest paper pin

Design and specifications are subject to change without notice.

Manufacturer

Rexxam

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Rexxam





Auto Ref-Topographer

All-in-one!
Auto-Ref, Kerato & Topographer

REF TOPO **RET-700**

All-in-one model including auto ref, keratometer, topographer, PC and database

Auto Ref-Topographer with pursued functionality and operability

All in one & Multi Functions

The refractometer which can measure auto ref, kerato and topography with single alignment has been realized.
A variety of analysis functions backed by absolute reliability.



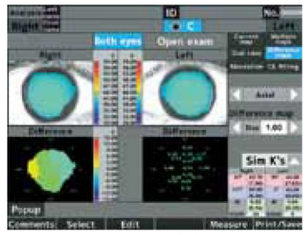
All-in-one

Measurements of the auto ref, kerato and topography are taken at the same time. Maximum 6 images of topography are captured continuously.

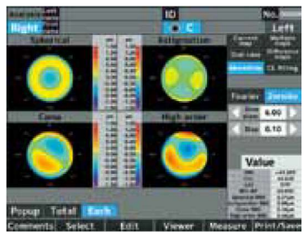


A Variety of Analysis Function

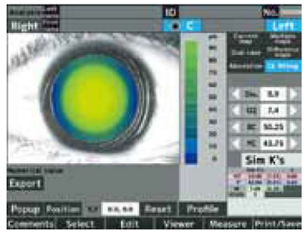
A variety of analysis display includes Current map, Multiple map, Dual case, Difference map, Aberration and CL fitting etc.



Difference map



Abberation



CL fitting

Wide Topo Measurement Range

The measurement range is from 0.4mm to 10.7mm (R8.0).
Also, the peripheral corneal (approx. 16.0mm) is measurable.



Database

Measurement data can be stored and accessible any time.



Ring Edit Function

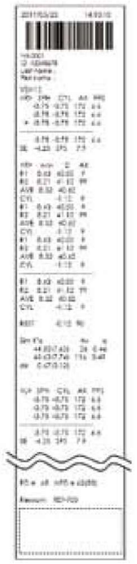
A ring can be assigned manually if the ring cannot be measured automatically.



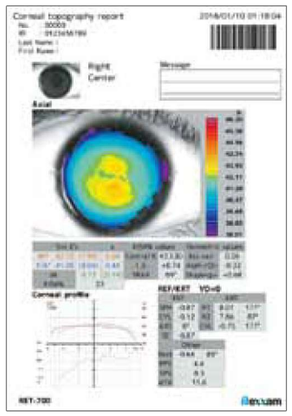
Simple & Easy Operation

The monitor can swivel 45 degrees each from center horizontally and tilt 40 degrees upward.
The swivel/tilt function allows both operator and patient's easy measurement and satisfaction.
The high-intensity colored LCD with touch panel is equipped.

Output of Measurement and Analysis Result



Built-in printer output



External report output



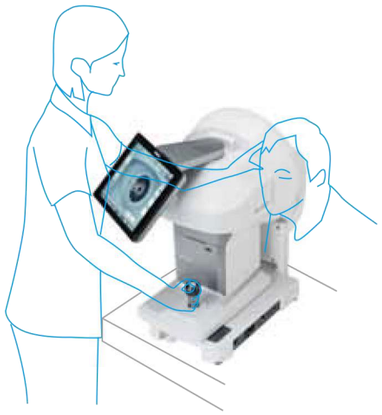
Wide Screen

10.4 inch wide color screen
The swivel/tilt function allows the operator to support easily the patient during operation.



Left/Right swivel 45°

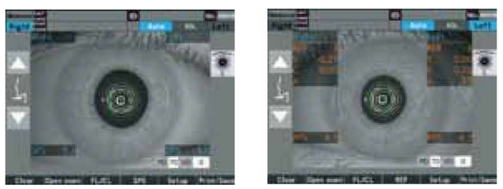
Vertical tilt 40°



Scotopic & Photopic Pupil Diameter Measurement

Measurement of scotopic pupil size (S.P.S function)

Measurement of photopic pupil size (P.P.S function)



Both scotopic and photopic measurements are available.

Electric Chinrest

It is easy to align the eye position of the patient with the eye mark.

