

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 corneal curvature | φ 2.0mm |
| | 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 | φ 0.4- φ 10.7 (R8)mm |
| | | Pattern of measurement light | 19 cocentric circle ring patterns |
| | | Measurement point | 6,200 |
| | | Working distance | 77.5mm |
| | | Peripheral cornea | Approx. φ 16 (R8) mm |
| | | Axial | <input type="radio"/> |
| | | Tangential | <input type="radio"/> |
| | | Elevation | <input type="radio"/> |
| | | Refractive | <input type="radio"/> |
| | | Zernike | <input type="radio"/> |
| | | Fourier | <input type="radio"/> |
| Type | Placid Dome | | |
| Fitting of contact lens | <input type="radio"/> | | |
| Dry eye observation function | <input type="radio"/> | | |
| Meibomian observation function | <input type="radio"/> | | |
| Measurement of pupil diameter | φ 2.0mm to φ 8.5mm(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



Distributed by



MERCOFRAMES OPTICAL CORP.

5555 NW 74 AVE. Miami, FL 33166 [/mercoframes](https://www.facebook.com/mercoframes)
sales@mercoframes.net www.mercoframes.com
 305-882-0120 Whatsapp www.mercoframesusa.com

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.

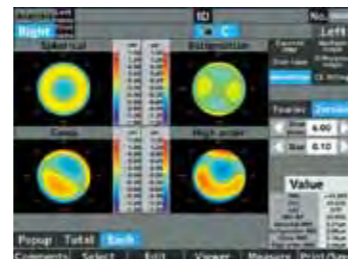


A Variety of Analysis Function

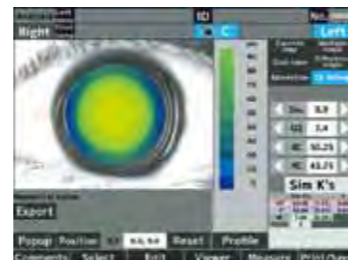
A variety of analysis display includes Current map, Multiple map, Dual case, Difference map, Aberration and CL fitting etc.



Difference map



Abberation



CL fitting

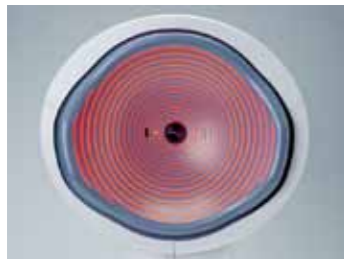
Ring Edit Function

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



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.



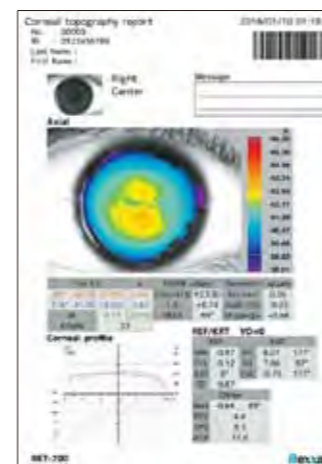
Simple & Easy Operation

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



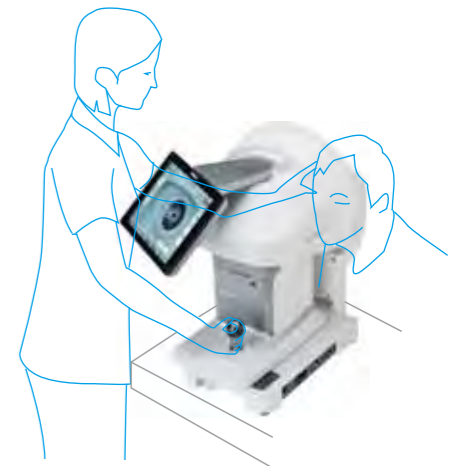
Wide Screen

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°



Electric Chinrest

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



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.