One vision, Two sharp eyes with Our Innovation

RC-5000

Auto Refkeratometer

- Highly Accurate
- Simple to Use
- Touch Screen Display
- Fully Automatic Alignment and Auto Focus
- Diameter Measurement of Cornea and Pupil
- Power Joystick and Chin Rest
- High Speed Printer
- List of Recommended Contact Lens

RC-5000 SPECIFICATIONS

Measurement Ranges	
Refractometory	
Sphere	-25.00 to +22.00D (VD=12.0mm)
Cylinder	-10.00 to +10.00D (VD=12.00mm)
Axis	0 to 180 degree
Minimum Pupil Dia.	ϕ 2.2mm
Measurement Time	0.2 sec.
Keratometory	
Range	5.00mm to 11.00mm
Corneal Refraction	30.68D to 67.50D (n = 1.3375)
Corneal Astigmatism	0D to 10D (n = 1.3375)
Axis	0 to 180 degree
Measured Area	ϕ 3.0mm/ϕ 6.0mm (at 8.0mm of Corneal Radius)
Measurement Time	0.1 sec.
PD measurement	Yes (50 to 86mm)
Diameter Measurement of Cornea and Pupil	1.0 to 14.0mm
Chinrest	Power Chin Rest
Printer	High Speed Thermal Line Printer
Output Port	RS-232C
Power Requirements	AC 100V to 240V 50/60Hz 130VA
Size	
Height	466mm or 18 inches
Width	300mm or 12 inches
Depth	493mm or 19 inches
Weight	Weight 19Kg or 42 pounds

TOMEY

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New Generation of
Multi-Functional Instrument

Auto Refkeratometer

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RC-5000

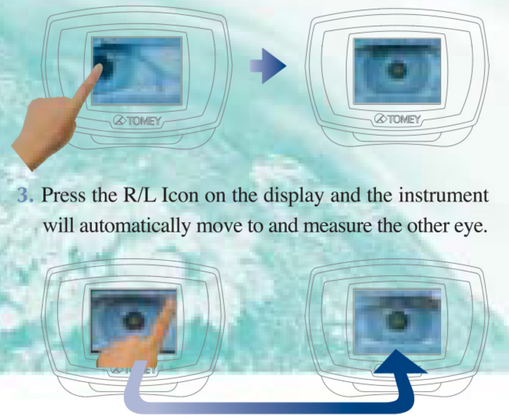
Auto Refkeratometer

New Generation of Multi-Functional Instrument

Highly accurate measurement combined with short examination time and ease of use makes working with the RC-5000 both professional and quick. The advanced touch-screen display allows you to perform both refraction and keratometry automatically with one simple movement. Capture one eye on the display and the RC-5000 will do both eyes automatically. With the new features, the RC-5000 will surely make your office more efficient.

Automatic Measurement

1. Use power asst. joystick for rough alignment.
2. Touch the center of the pupil on the display with your fingertip and the RC-5000 will automatically align and begin measurements.



3. Press the R/L Icon on the display and the instrument will automatically move to and measure the other eye.
4. Printing is automatic.

Refractometry

Normal Mode :
Fogging is applied automatically for each measurement for more accurate results.

Quick Mode :
Fogging is applied as needed for consecutive measurements.

IOL/CAT Mode :
This mode is used to measure cataract or pseudophakic eyes.

Keratometry

- Short consecutive measurements and time provide reliable data.
- Measurements at ϕ 6.0mm (R = 8.0mm) as well as at ϕ 3.0mm give you enough information for contact lens fitting.
- Base curves of contact lenses are stored, categorized and suggested manufacturers are automatically printed.

Power Joystick

- Move the joystick ring up/down and the instrument head moves up/down quickly.
- Move the joystick hand rest to the right/left or backward/forward and the instrument head moves to the right/left or backward/forward quickly.
- Rotate the joystick ring and the instrument head moves up/down slowly.
- Tilt the joystick and the instrument head moves in each direction slowly.

Diameter Measurement of Cornea and Pupil

Measurement can be done easily by moving the two cursors on the display to the boundary of Cornea or Pupil.
This is useful for deciding the diameter of a contact lens and for other contact lens fitting practices.

Power Chinrest

The chin rest can be moved by pushing the buttons on the front panel. No need to reach out to the chin rest for manual adjustments.

- Various settings like changing modes can be done on the touch panel display.
- The wide viewed fixation target assures natural fixation to avoid accommodation of a patient's eye.
- The quick thermal printer has shortened the total measurement time.