



AUTO REFKERATO ARKM-200

Aiming at new levels in quality



AUTO REFKERATO

ARKM-200

New Generation of Multi-Functional Instrument



Highly accurate measurement combined with short examination time and ease of use makes working with the ARKM-200 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 ARKM-200 will do both eyes automatically. With the new features, the ARKM-200 will surely make your office more efficient

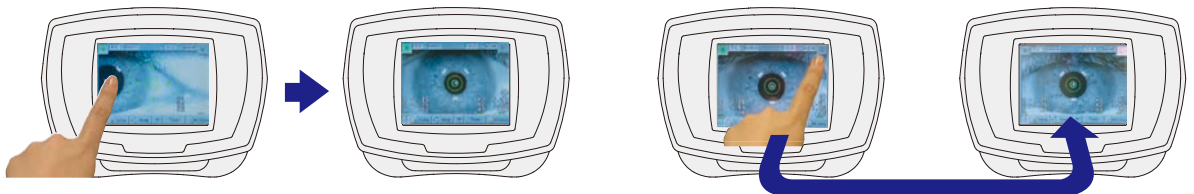
- Various settings like changing modes can be done on the touch panel display.
- The wide viewed fixation target assures natural fixation to avoid accommodation of a patient's eye.
- The quick thermal printer has shortened the total measurement time.



1

Automatic Measurement

1. Use power assist joystick for rough alignment.
2. Touch the center of the pupil on the display with your fingertip and ARKM-200 will automatically align and begin measurement.
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.



2

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.



3

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 adjustment.



4

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:

The mode is used to measure cataract or pseudophakic eyes.



5

Keratometry

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

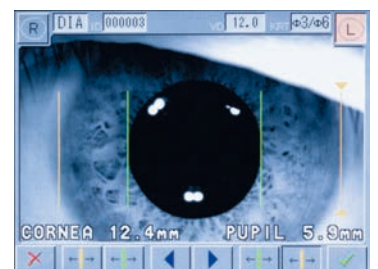


6

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.





Specifications

Measurement Ranges		
Refractometry	Sphere	-25.00 to +22.00D (VD=12.00mm)
	Cylinder	-10.00 to +10.00D (VD=12.00mm)
	Axis	0 to 180 degrees
	Minimum Pupil Dia.	φ 3.00mm / φ 6.00mm
	Measurement Time	0.2 sec.
Keratometry	Range	5.00mm to 11.00mm
	Corneal Refraction	30.68D to 67.50D (n=1.3375)
	Corneal Astigmatism	0 to 10D (n=1.3375)
	Axis	0 to 180 degrees
	Measured Area	φ 3.00mm / φ 6.00mm (at 8.0mm of Corneal Radius)
	Measurement Time	0.1 sec.
PD measurement		50mm to 86mm
Diameter Measurement of Cornea and Pupil		1.0mm to 14mm
Chinrest		Power Chinrest
Printer		High Speed Thermal Line Printer
Output port		RS-232C
Power Requirement		AC-100 to 240V 50/60Hz 130VA
Size		466mmH x 300mmW x 493mmD
Weight		19kgs

● Design and specifications are subject to change as improvements are made to the product.

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