

ARK7800L/M

Auto Refrac(Kera)tometer

- New optical system, unique imaging impression
- Hartman imaging analyzing and processing technology, accurate measurement result
- TFT touch screen, can move front and back freely
- Motorized chinrest
- Auto paper-cutting printer
- Auto tracking and focusing during measuring



TECHNICAL INDEXES

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- Auto paper-cutting printer
- Auto tracking and focusing during measuring
- Vertex Distance(VD): 0.0, 12.0, 13.5, 15.0
- SPH: -20.00D~+20.00D (VD=12mm, 0.01, 0.06, 0.12, 0.25 Unit)
- CYL: 0.00D~6.00D (0.12, 0.25 Unit)
- Axis(AX): 1° ~180° (1°)
- Cylinder Form: -, +
- Pupile Distance(PD): 10~86mm
- Minimum Pupil Diameter: 2.0mm
- Measuring Time: < 0.5s
- Pupil Diameter: 2.00~8.00mm
- Measuring Light Energy: < 30uw (Insure measuring safety)
- Radius of Curvature: 6.5~9.4mm (Resolving power≤0.02mmt)
- Corneal Power: 33.00D~67.00D
(In case that the corneal equivalent refractive power is 1.3375)
- Corneal Astigmatism: 0.00D~15.00D (0.06D/0.12D/0.25D Unit)
- Data Storing: Each 10 measured values of left eyes and right eyes
- Axis: 1° ~180° (Resolving power 1°)
- Chart: Auto fog
- Monitor: SHARP 7" TFT LCD touch screen (Angle of view adjustable)
- Built-in Printer: 57mm thermal printer, auto paper-cutting
- Electrical Power: AC 100~250V, 50/60Hz
- N.W.: 20kg
- G.W.: 23.5kg
- Dimensions(packing): (L)750mm X (W)400mm X (H)615mm

ARK7800L/M

Auto RefracKeratometer

ARK7800M:
Auto RefracKeratometer
with manual

ARK7800L:
Auto RefracKeratometer
with auto tracking



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ARK7800L/M

Auto RefractKeratometer

High precision and accuracy, the most advanced image analysis and processing technology

Adjust the high resolution color touch widescreen, meet the users' different experiences and feelings



Eye Socket Range



Start instrument, quickly move the device into the measuring area(black part)

Auto Tracking and Focusing



When move the device into the range of the patient's eye socket, it will track down a measuring focus of the eye automatically by the light sensors and 3D mechanism system inside(AF mode)

Auto Measuring



After auto focusing successfully, auto measuring(A mode) is performed. By these performances, an inexperienced user can also complete the measurement perfectly

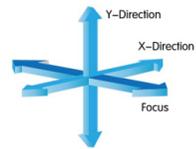
Operation interface function



KER Keratometry **MF** Manual Measuring **AF** Manual focusing
REF Refractometry **AM** Auto Measuring **AF** Auto focusing
R/K Refractoratometry

Intuitive icons provide the user an easier operating circumstances, and make the measurement become more convenient and the data to be measured more accurate and fast

3D Measuring System



Subsidiary Menu



By SET MENU, different functions can be set up according to the actual and specific requirements

Data Record



3 groups of data stored each measurement, maximum 10 groups of data can be stored

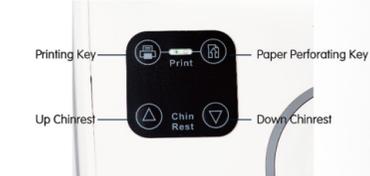


Adjustable LCD Touch Screen



High brightness and contrast SHARP 7" wide color TFT LCD screen, smooth touch mode,different angle can be adjusted

Operation Panel



Press the printing key, the printer automatically print out the measured data(no measured data, the printer don't work). Install the printing paper top into the printer mouth, press the paper perforating key, the paper is perforated automatically. Press the up/down chinrest key, automatically adjust the height of chinrest

Motorized Chin Rest



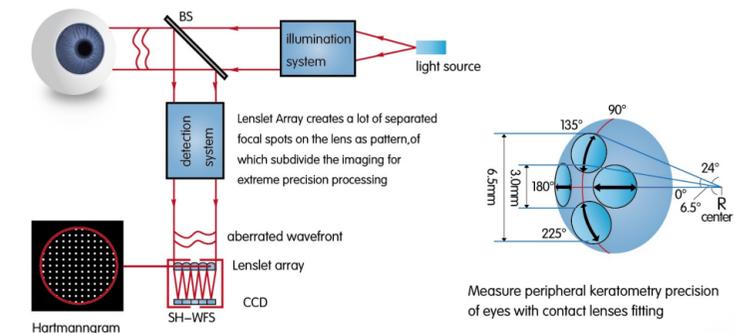
By pressing the Up & Down buttons, the users can set and adjust the height of the patient's chin freely and quickly

Auto Paper-Cutting Thermal Printer



Built-in thermal printer that can be easily loaded with a roll of paper, and cut the paper automatically at the end of printing

Hartmann imaging processing technology



Measure peripheral keratometry precision of eyes with contact lenses fitting