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Auto Refractor Keratometer

ERK-9200



NEW GENERATION OF AUTO REF / KERATOMETERS



► AUTOREFRACTOR / KERATOMETER

The innovative ERK-9200 delivers pretesting data you can count on. This cutting-edge autorefractor/keratometer gathers the data you need quickly and accurately.

The Ezer ERK-9200 takes the convenience of a combined auto refractor keratometer and makes it even more user friendly. Scan, measure and determine contact lens parameters automatically without having to manually align the eye. A pivoting touch screen allows for flexibility while positioning and testing patients. An all-in-one touch screen provides an orderly workspace with easy menu navigation.

► FEATURES

- Auto Refractor/Keratometer
- Auto-Shoot Programming
- Wide Dioptric Measurement Range
- Retroillumination Mode
- Metrics For Contact Lens
- One Touch Scanning
- Auto-Shoot Programming
- Auto Focusing System
- Accurate Iris and Pupil Measurement
- Temperature Compensation System
- Motorized Chin Rest
- High-Speed Printer and Auto Paper Cut
- Ergonomic Joystick
- Simple User Environment
- Easy Network Capability



The ERK-9200 combines all of the necessary visual pre-testing functions in one smartly designed instrument. Operators can perform refractometry and keratometry alone or simultaneously. The ERK-9200 is used to determine the initial, objective refractive values for a patient's eyes in the workflow of refraction and to determine the optical prescriptions for myopia, hyperopia and astigmatism.



➤ ONE TOUCH SCANNING AND SEAMLESS INTEGRATION

The ERK-9200 offers a variety of customizable options. Automatically scan each eye with the single button. Through the touch screen, the tester can use the Auto Shooting operation to find, focus and scan both eyes.



► METRICS FOR CONTACT LENS FITTING

Peripheral keratometry measures at both horizontal and vertical meridians from the center of the cornea to record the curvature and eccentricity value at all points. The ERK-9200 is equipped with a CLBC Mode to determine the proper base curve and diameter required for proper contact lens fit.



► WIDE DIOPTRIC MEASUREMENT RANGE

Gather general exam data and acquire prescriptions for glasses and contact lenses with greater efficiency using the ERK-9200. Wide dioptric mode grants specialized readings for hyperbolic patients as high as +22.00D to myopic patients as low as -25.00D.



► RETROILLUMINATION MODE

You can check abnormal crystalline lenses, cataracts and scratches of corneas helping you to see how healthy the customer's eyes are. With enforced REF power, you can check SPH, CYL, and Axis that could not be measured in a normal mode.



► TEMPERATURE COMPENSATION SYSTEM

Provides a reliable measurement data with our unique temperature measurement system. Tolerance within 0.5 C



► AUTO FOCUSING SYSTEM

The ERK-9200 can determine the best position for a precise focusing with the help of high resolution scanner.



► SUPERIOR TECHNOLOGY FOR SUPERB CHARTING

Combined measurements of refractive error and corneal curvature save time for patients and the office alike. The ERK-9200 is compatible with multiple networks and is Bluetooth friendly. Software from the system efficiently transmits to digital phoropters, visual acuity charts and computer programs within the product family.



► MOTORIZED CHIN REST

The ERK-9200 is comfortable for patients and convenient for operators. Just by pressing the Up & Down buttons, users can set the height of the measuring point comfortably and quickly. Adjust the chinrest, focus and scan with a tap of a screen.



► ENHANCED EFFICIENCY

Embedded printer allow print a measurement data without noise. The printer cover can be opened and closed by pushing a button, making it easy to replace a paper. Also, it cuts paper automatically after printing.



► ACCURATE IRIS AND PUPIL MEASUREMENT ERGONOMIC JOYSTICK

Measure the size of the cornea, iris and pupil with precision and ease. Users will enjoy navigating through the entire exam with ease using the unit's quality-crafted ergonomic joystick.



► SIMPLE AND CONVENIENT USE ENVIRONMENT

The user-friendly dashboard view on the ERK-9200 displays sharp images with easy-to-understand icons. This 7-inch color TFT color touch screen LCD interface is simple and enjoyable to work with.





➤ MEASUREMENT MODE

- R / K mode Successive Refractometry & Keratometry
- Ref Mode Refractometry
- Ker Mode Keratometry
- CLBC Mode Contact lens base curve measurement

➤ KERATOMETRY

- Radius of Curvature 0.19 ~ 0.4 in (5.0 ~ 10.2 mm)
- Corneal Power 33 ~ 67.50 D
- Corneal Astigmatism 0.00 ~ -15.00 D (0.12 / 0.25 D)
- Axis (AX) 0~180°
- Corneal Diameter 0.078 ~ 0.47in (2.0 ~ 12.00 mm)

➤ REFRACTOMETRY

- Vertex distance (VD) 0.0, 0.47, 0.53, 0.6 in (0.0, 12.0, 13.5, 15.0 mm)
- Sphere (SPH) 25.00 ~ +22.00 D (0.12 D / 0.25 D)
- Cylinder (CYL) 0.00 ~ +/-10.00D
- Axis(AX) 0 ~ 180°
- Cylinder Form -, +, +/-
- Pupil Distance (PD) 0.4 ~ 3.34 in (10 ~ 85 mm)
- Minimum Pupil Diameter Ø 0.08 in / 2.0 mm

➤ OTHERS

- Printer Thermal / Auto cutting
- Power Saving Nominate by 3, 5, 10 Minutes
- Display 8 Inch 24 bit colored TFT LCD
- Power Supply 100 ~ 240V~, 50/60Hz, 50-70VA
- Chinrest Movement Max, 65mm, Motorized operating
- Dimension 11.22(W) X 21(D) X 17.2(H) (285mm (W) X 522mm(D) X 438mm(H))
- Weight 41.8lb / 19kg