GILRAS

GRK-7000

AUTO REFRACTOR / KERATOMETER

B"H

GRK-7000

AUTO REFRACTOR / KERATOMETER

Designed for more reliable and accurate Refraction.

Accurately measure the human eye with a cutting edge technology designed to enhance your ability to diagnose ocular errors faster, easier, and accurately. GRK-7000 brilliantly designed technology measures the eye with advanced precision and speed to provide reliable data as the starting point of your refraction and contact lens fitting. Its compact and modern design enables seamless operation and an enhanced patient comfort, making it the ideal choice in for any ophthalmic practice.

Reliable Measurement Accuracy

- Optimal Optical System
- Keratometry Measurement
- Auto Start

Greater Advance Functions

- Wider Measurement Range
- CLBC (Contact Lens Base Curvature)
- PD (Pupillary Distance)
- VD (Vertex Distance)
- Pupil and Iris Size Measurement

Well-Designed Ergonomics

- 5.7" Color LCD
- Focusing Indicator
- Convenient One-Touch Lock
- High Speed Printer
- Automatic Power-Off
- Realization of a Total Refraction System

Reliable Measurement Accuracy

Optimal Optical System

Gilras GRK-7000 utilizes a unique optic technology that offers fast and accurate readings that enhance the reliability of measurement results.

Keratometry Measurement

The GRK 7000 makes measurement a snap when determining the refractive and keratometric properties of the human eye. This sharp instrument reports the patient's assessed eye power by combining the autorefractor/keratometer functions and assist eye care professionals in the process of prescribing corrective eyeglasses and contact lenses in one step with the technology in GRK-7000.

Auto Start

With auto start mode, the GRK-7000 maintains fogging throughout, allowing multiple measurements. This is an optimal feature for patients and children who may find it difficult to fixate.

Greater Advance Functions

Wider Measurement Range

GRK-7000 provides more diagnostic information and superior performance with wide possible range of refraction and keratometry measurements.

CLBC (Contact Lens Base Curvature)

Measuring the base curvature of contact lens is useful in fitting contact lenses for patients.

PD (Pupillary Distance)

PD is automatically measured after checking both eyes. This feature is a valuable time saver.

VD (Vertex Distance)

VD selection function (0, 12, 13.5, 15 mm) offers better accurate measurement data.

Pupil and Iris Size Measurement

GRK-7000 can measure the size of pupil, cornea and iris under 14 mm in diameter by freezing the image.

Well Designed Ergonomics

5.7" Color LCD

5.7" Color LCD displays clear images and contains an image processing chip that allows the LCD to show real time images.

Focusing Indicator

The focusing indicator appears on the screen when the eye is the optimal position.

Convenient One-Touch Lock

With the convenient one-touch lock, the main body can easily be fixed to the base.

High Speed Printer

The High-speed printer prints out the final measurement results within 3 seconds. The printing paper can be changed easily by using the convenient the one-touch paper holder.

Automatic Power-Off

The system automatically shuts off by itself to conserve energy and prevent overheating.

Realization of a Total Refraction System

GRK-7000 can be connected to other Gilras refraction systems - GDR-7000 - easily and simply.

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Specifications

GRK-7000
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MEASUREMENT MODE	
K/R Mode	Continuous Keratometry & Refraction
REF Mode	Refraction
KER Mode	Keratometry
CLBC Mode	Contact Lens Base Curve Measurement

Refractometry	
Vertex distance (VD)	0.0, 12.0, 13.5, 15.0mm
Sphere (SPH)	-20.00 ~ +20.00 (VD=12mm (Increments: 0.12 / 0.25)
Cylinder (CYL)	0.00 ~ ±10.00D (increments: 0.12 / 0.25)
Axis (AX)	0 ~ 180° (Increments: 1°)
Cylinder Form	-+-+
Pupil Distance	10 ~ 85mm
Minimum Pupil Diameter	2.0mm

Keratometry	
Radius of Curvature	5 ~ 10.2mm (Increments: 0.01mm)
Corneal Power	33.00 ~ 67.00D (Increments: 0.05 / 0.12 / 0.25D) (n=1.3375)
Corneal Astigmatism	0.00 ~ - 15.00D (Increments: 0.05 / 0.12 / 0.25D)
Axis (AX)	0~180° (Increments: 1°)
Pupil, Iris, Diameter	2.0 ~ 14.0mm (Increments: 0.1mm)
Memory Data	10 measurements per eye

Others	
Internal Printer	Thermal Line Printer
Power Saving	Automatic Switch-Off (5min)
Display	5.7 inch Color TFT LCD
Power Supply	AC100~240V, 50/60 Hz
Dimension	275(W) X 510(D) X 450(H) mm
Weight	20 Kg

Designs and details can be changed without prior notice for improvements.

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