

Häns Heiss

Auto Ref-keratometer **HRK-1200**

Brochure Specifications

v.0.1 - 2020/FEB

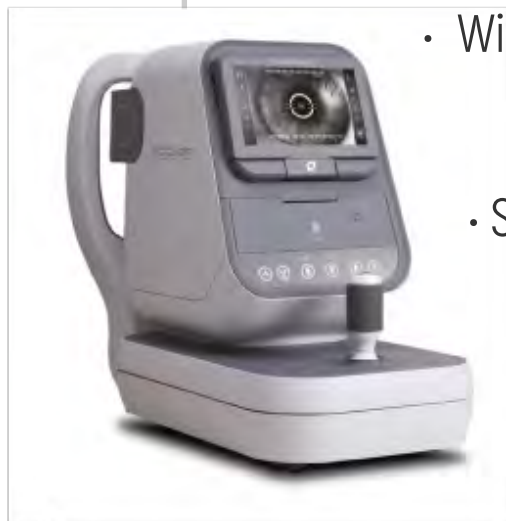




- Start of Accurate Diagnosis
- Reliable Measurement Value
- Satisfaction of Patient and User

Features

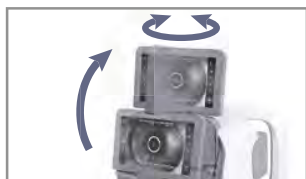
- Easy Mode Change (Adult/Child) •
- Capacitive Touch Operational Panel •
- Electrical Stage Lock by One-touch •
- Wide Range Movement of LCD Monitor •
- Simple Software Update (Micro-SD) •
- Various Ports (HDMI, USB, USB-C, RS-232C) •



- Wireless Communication •
(Bluetooth, Wi-Fi)
- Slot Type Main Board •

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HRK-1200

Features



Wide Movement of LCD

HRK-1200 has freely moving LCO monitor. Tilting, swiveling and elevation support the monitor's movement. It can be placed where user wants.



Refraction / Keratometry

HRK-1200 can measure refraction and curvature of cornea separately or in a sequence. (Please refer to SPECIFICATION)



Simple Software Update

Software of HRK-1200 can be updated by Micro-SD card very simply. Also HRK-1200 has various communication ports. (HOMI, USB, USB-C, RS-232c, Wi-Fi, Bluetooth, Micro-SD)



Peripheral Keratometry

HRK-1200 can measure peripheral curvatures of cornea using 8pcs of LEDs located on octagonal points



Slot Type Mainboard

The mainboard of HRK-1200 is slot type design. The mainboard exchange can be very easy and simple when necessary. E ven user's can do it without any trouble.



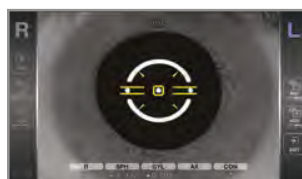
Retro-Illum Mode

HRK-1200 can observe lenticular opacity (opacity of crystalline lens) or scratch of contact lens by projecting the light on the pupil directly. Also, 10 images of each eye can be saved and each image can be enlarged for observation.



Capacitive Touch Panel

HRK-1200 has capacitive touch buttons and there is no mechanical button. This can make A7 design seamless and outstanding.



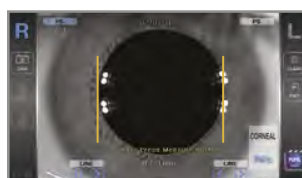
IOL Mode

HRK-1200 can measure refraction and curvature of cornea of cataract patients in IOL mode. Also, small size pupil can be measured by HRK1200.



Chin-rest Enhancement

HRK-1200 is designed to enhance the operational stability and the endurance . Also, there are two options to use "chin-rest-paper" or "chin-rest cover" for its cleanliness.



Size Mode

HRK-1200 can measure the diameter of cornea or pupil by image freezing or touching the measurement point on the screen intuitively.



Easy Mode Change (Adult/Child)



Electrical Stage Lock by One-touch



Automatic Measurement PD



Touch Screen Monitor



Auto-Cutting Printer



Motorized Up-Down by Joystick



External Monitor Connection



Measurement of Contact Lens BC

Specifications

Measurement mode	
Measurement Mode	R/K, REF, KER, CLBC, K/P (Referring to User Manual)
Refractometry	
Vertex Distance(VD)	0.0,12.0,13.5,15.0mm
Spherical Power(SPH)	-25.00–[-25.00D (at the vertex distance of 12mm) (Increments : 0.12D / 0.25D Unit)
Cylinder Power	0.00 ~ ±10.00D (Increments : 0.12D / 0.25D Unit)
Axis	1°~180°(1°Unit)
Cylinder Form	-,+,MIX
Pupil Distance (PD)	10-88 mm
Minimum Pupil Diameter	2.0 mm (diameter)
Keratometry	
Radius of Curvature	5.0 ~ 10.2min (0.01mm Unit)
Corneal Power	33.00-67.50D When the equivalent refractive index of cornea is 1.3375 (Increments: 0.05D/0.12D/0.25D Unit)
Corneal Astigmatism	0.00 - 15.00D (Increments : 0.05D/0.12D/0.25D Unit)
Axis	1° ~ 180° (1° Unit)
Others	
Corneal Diameter	2.0 ~ 14.0mm (0.01mm Unit)
Memory of Data	10 measured values for each right and left eye
Internal Printer	Thermal line printer with Auto-cutting function
Monitor	Color TFT-LCD with Touch Function, 7 inch (800x400)
Power Saving	Setting to 5 min, 10 min or 30 min
Interface	HDMI, USB, USB-C, Micro SD, RS232C, Wi-Fi (802.11), Bluetooth (v4.2) (Wi-Fi and Bluetooth will be used for the linkage)
Power Supply	AC100 - 240V, 50/60HZ
Power Consumption	60-75 VA
Dimensions	Approximately 260(W) x 525(D) x 445(H) mm
Weight	Approximately 19kg
Environments	
Operation	Temperature : + 10°C ~ +40°C Humidity : 30% ~ 85% RH Atmosphere Pressure : 70-106 kPa
Storage & Transportation	Temperature : - 10°C ~ +55°C Humidity : 10% ~ 95% RH Atmosphere Pressure : 70-106 kPa

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Official Distributor



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