

AUTO REF/KERATOMETER CRK 8800

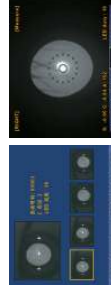
To measure a human eye with high precision,
Huvitz Wavefront Technology can be the right answer.

Unlike many conventional diagnostic device ,CRK-8800 is based on the Hartmann-Shack wavefront sensor,which analyzes many focal spots of a light wavefront. It has opened up new possibilities for diagnosis of ocular error.



Optimized Optical System
HUVITZ's own developed MICRO LENSLET ARRAY creates a number of separated focal spots, of which the pattern provides valuable information about customer's ocular system. And SLD(Super Luminescent Diode) and highly sensitive CCD offers clearer images and secures accurate measurement result from ametropia, cataract and IOL.

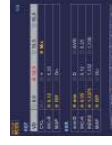
Retro-Illumination Mode
You can see abnormal crystalline lenses, cataracts and scratches of corneas helping you to determine how healthy the customer's eyes are. With increased REF power, you also can check SPH,CYL and AXIS that cannot be measured in the normal mode.



IOL Measuring Mode
CRK-8800 determines the condition of eyes automatically to detect if there are IOLs or cataracts and measure them

Pupil and Iris Size Measurements
CRK-8800 can measure pupil, cornea and iris size under 14mm in diameter by freezing the image

Easy Setup
The user-friendly interface allows users to set the functions more easily and the changes of settings can be done



Realization of a Total Refraction System
CRK-8800 can be connected with Charops Digital Refractor, Lensmeter and other devices to get data faster and have more accurate measurement result.

Measurement Mode

K/R Mode	Continuous Keratometry & Refractometry
REF Mode	Refractometry
KER Mode	Keratometry
CLBC Mode	Contact Lens Base Curve
SIZE Mode	Pupil & Iris Size

Refractometry

Vertex Distance(VD)	0.0, 12.0, 13.5, 15.0mm
Sphere(SPH)	-25.00D ~+22.00D (When VD=12mm) (Increments:0.12D & 0.25D)
Cylinder(CYL)	0.00 ~ ± 10D(Increments:0.12D & 0.25D)
Axis(AX)	1~180° (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	33.00D ~ 67.50D (When Index=1.3375) (Increments:0.05D/0.12D/0.25D)
Corneal Astigmatism	0.00 ~ +15.00D (Increments:0.05D/0.12D/0.25D)
Axis (AX)	1~180° (Increments:1°)
Pupil, Iris Diameter	2.0~14.0mm(Increments:0.1mm)
Memory of Data	10 measurements for each eye

Others

Internal Printer	Thermal Line Printer
Power Saving	Automatic switch-off(5min)
Display	5.7inch Color TFT LCD
Power Supply	AC100~240V, 50/60Hz(Free Voltage) 60W
Dimension	252(W) x 500(D) x 432(H)mm/20kg

Designs and details can be changed without prior notice for improvements