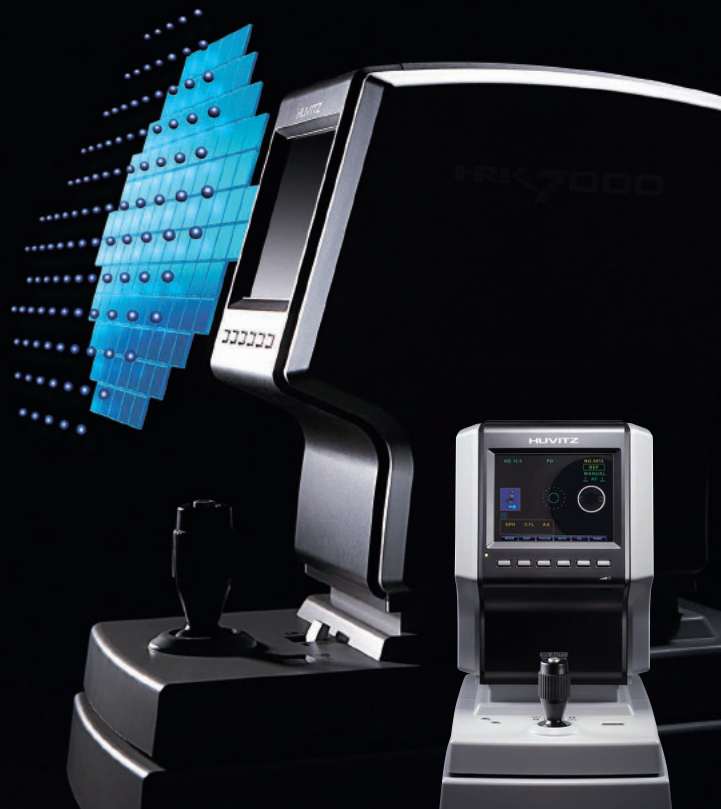# HRK-7000A Auto Ref/ Keratometer
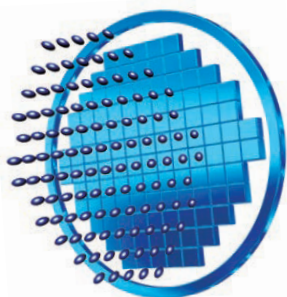
To measure a human eye with high precision, Wavefront Technology could be the answer.
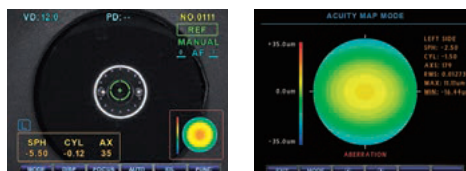
Optimised Optical System

Huvitz's own developed Micro Lenslet Array creates a number of separated focal spots of which the pattern provides valuable information about the patients ocular system.

Super Luminescent Diode (SLD) and highly sensitive CCD offers clearer images and secures accurate measurement result from ametropia, cataract and IOL.
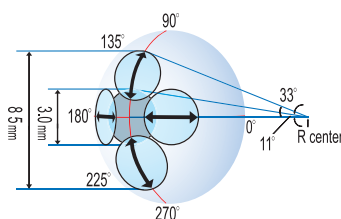
Graphical Display of Refraction

The graphical display of refraction errors enhances customers' understanding and reliability.

Peripheral Keratometry Measurement

The graphical display of refraction errors enhances customers' understanding and reliability.

Reliable Keratometry Measurement

The HRK-7000A offers reliable keratometry data using 2 mire rings and 2 LEDs.

Retro-Illumination Mode

You can see abnormal crystalline lenses, cataracts and scratches of corneas helping you to determine how healthy the customers' eyes are. With increased REF power, you can also check Sph, Cyl and Axis that cannot be measured in the normal mode.

OPTICARE

HRK-7000A Auto Ref/Keratometer

Technical Specifications

<table>
<tr><th rowspan="5">Measurement Mode</th><td>K/R Mode</td><td>Continuous Keratometry & Refractometry</td></tr>
<tr><td>REF Mode</td><td>Refractometry</td></tr>
<tr><td>KER Mode</td><td>Keratometry</td></tr>
<tr><td>CLBC Mode</td><td>Contact Lens Base Curve Measurement</td></tr>
<tr><td>KER P Mode</td><td>Peripheral Keratometry</td></tr>
<tr><th rowspan="9">Refractometry</th><td>Vertex Distance (VD)</td><td>0.0, 12.0, 13.5, 15.0mm</td></tr>
<tr><td>Sphere (SPH)</td><td>-25.00D ~ ±22.00D (VD=12mm) (Increments: 0.12/0.25D)</td></tr>
<tr><td>Cylinder (CYL)</td><td>0.00 ~ 10.00D (Increments: 0.12/0.25D)</td></tr>
<tr><td>CLBC Mode</td><td>1 ~ 180° (Increments: 1°)</td></tr>
<tr><td>Cylinder Form</td><td>- , + , ±</td></tr>
<tr><td>Pupil Distance</td><td>10 ~ 85mm</td></tr>
<tr><td>*Min. Pupil Diameter*</td><td>Ø2.0mm</td></tr>
</table>

<table>
<tr><th rowspan="6">Keratometry</th><td>Radius of Curvature</td><td>5.0 ~ 10.2mm (Increments: 0.01mm)</td></tr>
<tr><td>Corneal Power</td><td>33.0 ~ 67.50D (When corneal equivalent refractive index is 1.3375) (Increments: 0.05/0/12.0/25D)</td></tr>
<tr><td>Corneal Astigmatism</td><td>0.00~ - 15.00D (Increments: 0.05/0.12/25D)</td></tr>
<tr><td>Axis</td><td>0° ~ 180° (Increments: 1°)</td></tr>
<tr><td>Pupil/Iris Diameter</td><td>2.0 ~ 14.0mm (Increments: 0.1mm)</td></tr>
<tr><td>Memory Data</td><td>10 measurements for each eye</td></tr>
<tr><th rowspan="6">Other</th><td>Display</td><td>6.5" Color TFT LCD Screen</td></tr>
<tr><td>Internal Printer</td><td>Thermal Line Printer</td></tr>
<tr><td>Power Saving</td><td>Automatic Switch-Off (5 mins)</td></tr>
<tr><td>Power Supply</td><td>AC100-240V, 50/60Hz, 60W</td></tr>
<tr><td>Size</td><td>252mm (W) x 500mm (D) x 432mm (H)</td></tr>
<tr><td>Weight</td><td>20kg</td></tr>
</table>