Humphrey®
Refractor/Keratometer HARK 599.

90° Patient/Operator Interface, 180° Patient/Operator Interface

Immediate patient verification of prescription

The HARK 599 is the first full-featured combination auto refractor/keratometer with glare testing. Unlike other instruments, the HARK allows for immediate patient feedback on the prescription.

Two different configurations fit any space

The unique operator control panel can be positioned at either 90° or 180° from the patient to meet office space requirements and to give a closer operator/patient contact.

Complete testing

Near vision, glare, low contrast and children's testing available with Humphrey Automatic Refractors permit evaluation of all types of patients - even IOL and cataract patients.

Easy to use

Virtually hands-free operation makes the HARK 599 technician-operable with minimal training. Automatic alignment and tracking allow the instrument to follow shifts in eye movement during testing, while speeding up routine examination time, improving patient comfort level and achieving highly accurate refractions.

Automatic Keratometric readings

In addition to all the features of the Automatic Refractor, the HARK 599 provides precise keratometric readings including Delta K's that are quickly and easily performed for all clinical needs.

Communicom™ Interface

The Communicom Interface lets you quickly transfer test data from the Humphrey Lens Analyzer to the Automatic Refractor/Keratometer. This allows your patients to compare their current prescription with a new or recommended Rx.
### Technical Specifications.

#### Charts
- Starburst Target
- Snellen Optotypes (20/400–20/15)
- Red-Green (Duochrome)
- Near Vision
- Low Contrast/Glare
- Children’s Targets

#### Printout Information
- Date/Time
- Objective Refraction
- Subjective Refraction
- Near Vision
- Visual Acuities
- Low Contrast/Glare Acuities
- Keratometric Measurements
- Vertex Distance
- Inter-Pupillary Distance

<table>
<thead>
<tr>
<th>Sphere Range</th>
<th>-17D to +20D (.12D, .25D steps)</th>
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</thead>
<tbody>
<tr>
<td>Cylinder Range</td>
<td>-7D to +7D (.12D, .25D steps)</td>
</tr>
<tr>
<td>Axis Range</td>
<td>0–180 degrees (1° steps)</td>
</tr>
<tr>
<td>Acuity Lines</td>
<td>20/15–20/400</td>
</tr>
<tr>
<td>Vertex Distance</td>
<td>0.0, 10.5, 12.0, 13.5, 16.5 mm</td>
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<tr>
<td>Keratometry Range</td>
<td>30.00D to 60.00D (.12D steps)</td>
</tr>
<tr>
<td></td>
<td>or 5.60 mm to 11.20 mm (.01 mm steps)</td>
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<tr>
<td></td>
<td>Axis 0–180 degrees (1° steps)</td>
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<tr>
<td>Physical Dimensions</td>
<td>18” H x 12” W x 16” D, 49.8 lbs.</td>
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<tr>
<td></td>
<td>457 mm x 305 mm x 406 mm, 22.6 kg.</td>
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<tr>
<td>Display</td>
<td>5” CRT</td>
</tr>
<tr>
<td>Interface</td>
<td>RS-232C and video</td>
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<tr>
<td>Line voltage</td>
<td>100/120/220/240 V ±10%, 50 to 60 Hz</td>
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</tbody>
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