Henson
Leading the field

Technical specification
## Henson 9000 Perimeter: Technical specification

### Test specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Visual field test range</td>
<td>60° (monocular) / 160° (binocular) 10,000 ASB 31.5 ASB</td>
</tr>
<tr>
<td>Visual field testing distance</td>
<td>25 cm</td>
</tr>
<tr>
<td>Stimulus intensity (maximum)</td>
<td>10,000 ASB</td>
</tr>
<tr>
<td>Background illumination</td>
<td>31.5 ASB</td>
</tr>
<tr>
<td>Stimulus duration</td>
<td>200 ms</td>
</tr>
<tr>
<td>Stimulus size</td>
<td>Goldmann III</td>
</tr>
</tbody>
</table>

### Test methods

- **Standard Automated Perimetry (SAP), white-on-white**

### Screening tests/patterns

- **Smart Supra - single stimulus**
  - 26, 54 and 86 point tests (incorporating both 24-2 and 10-2 test pattern points)

- **Smart Supra - multiple stimulus**
  - 26, 54 and 86 point tests (incorporating both 24-2 and 10-2 test pattern points)

- **Esterman (Driving)**
  - Groups 1 (120 point) and 2 (124 point) (EU standard)

- **Customized tests**
  - Test locations can be manually added to all Smart Supra screening tests

### Average test times*

<table>
<thead>
<tr>
<th>Test Type</th>
<th>Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Smart Supra – single stimulus</td>
<td>~1 min (26 points); ~3.5 minutes for fully extended 24-2 plus 10-2 test (86 points)</td>
</tr>
<tr>
<td>Smart Supra – multiple stimulus</td>
<td>Under 30 seconds (26 points)</td>
</tr>
<tr>
<td>ZATA</td>
<td>~2.5 minutes per eye</td>
</tr>
<tr>
<td>ZATA Fast</td>
<td>~2 minutes per eye</td>
</tr>
</tbody>
</table>

### Fixation control

- **Fixation target**
  - Single or 4-point LED diamond pattern

- **Heijl-Krakau**
  - Yes (ZATA)

### Software features

- **Patient management database**
  - MS Windows compatible; networkable

- **Practice management integration**
  - EMR compatibility (parameter passing and text file)

- **Languages**
  - English, Chinese, French, German, Italian, Japanese, Norwegian, Portuguese, Brazilian Portuguese, Spanish (Latin America), Spanish (Peninsula)

- **Hemifield analysis**
  - Yes

- **Progression analysis**
  - Yes

- **HFA data import**
  - Yes

### Connectivity

- **DICOM**
  - Yes (images)

- **Ethernet**
  - Yes, via connected computer

- **Database backup**
  - Removable, network or cloud storage

### Dimensions

<table>
<thead>
<tr>
<th>Dimension</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Weight (kg)</td>
<td>13.5</td>
</tr>
<tr>
<td>Size, W x D x H (mm)</td>
<td>440 x 400 x 452</td>
</tr>
</tbody>
</table>

### Classification

- **Medical device**
  - Class 1

- **Applied part**
  - Type B

- **Control device**
  - External PC / laptop / tablet running MS Windows® Professional, v. 7, and above

- **Patient unit inputs/outputs**
  - C13 mains input; Patient Response Button; 2 x USB Type B connector

- **Electrical requirements**
  - 85 – 263 V AC, 50/60 Hz, 60 VA

- **Optional printer**
  - Any compatible with controlling computer

---

*Test times are approximations only and will differ according to patient response time and level of loss.

© Elektron Technology UK Ltd. All rights reserved. Microsoft® and Windows® are either registered trademarks or trademarks of Microsoft Corporation® in the United States and/or other countries.

For more information visit elektron-eye-technology.com/products/henson-9000-perimeter/TS V-2.0 (3-18)