

# Henson 9000

## Technical Specifications



## Henson 9000 Perimeter: Technical specifications

### Test specifications

|                               |                                    |
|-------------------------------|------------------------------------|
| Visual field test range       | 60° (monocular) / 160° (binocular) |
| Visual field testing distance | 25 cm                              |
| Stimulus intensity (maximum)  | 10,000 asb                         |
| Background illumination       | 31.5 asb                           |
| Stimulus duration             | 200 ms                             |
| Stimulus size                 | Goldmann III                       |
| Stimulus color                | White                              |
| Test method                   | Standard Automated Perimetry (SAP) |

### Screening tests/patterns

|                                 |                                                                         |
|---------------------------------|-------------------------------------------------------------------------|
| Smart Supra - single stimulus   | 26, 54 and 86 point tests (incorporating the 24-2 test pattern)         |
| Smart Supra - multiple stimulus | 26, 54 and 86 point tests (incorporating the 24-2 test pattern)         |
| 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 |

### Threshold tests/patterns

|                                   |                                       |
|-----------------------------------|---------------------------------------|
| ZATA Standard - threshold central | 10-48**; 24/30-2 (extendable in-test) |
| ZATA Fast - threshold central     | 10-48; 24/30-2 (extendable in-test)   |

### Average test times\*

|                                 |                                                                   |
|---------------------------------|-------------------------------------------------------------------|
| Smart Supra - single stimulus   | ~1 min (26 points); ~3.5 minutes for fully extended 86 point test |
| Smart Supra - multiple stimulus | Under 30 seconds (26 points)                                      |
| ZATA (24-2)                     | ~2.5 minutes per eye                                              |
| ZATA Fast (24-2)                | ~ 2 minutes per eye                                               |

### Fixation control

|                   |                                       |
|-------------------|---------------------------------------|
| Fixation target   | Single or 4-point LED diamond pattern |
| Heijl-Krakau      | Yes (ZATA)                            |
| Video eye monitor | Yes                                   |

### Software features

|                                 |                                                     |
|---------------------------------|-----------------------------------------------------|
| Patient management database     | MS Windows® compatible; networkable                 |
| Practice management integration | EMR compatibility (parameter passing and text file) |
| 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

|                 |                      |
|-----------------|----------------------|
| Weight          | 13.5 kg              |
| Size, W x D x H | 440 x 400 x 452 (mm) |

### Classification

|                             |                                                                                |
|-----------------------------|--------------------------------------------------------------------------------|
| Medical device              | Class I                                                                        |
| Applied part                | Type B                                                                         |
| Control device              | External PC / laptop / tablet running MS Windows® Professional, v.8, 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.

\*\*The 10-48 pattern presents 48 stimuli on a 3 degree square matrix, displaced 3 degrees from the horizontal and vertical mid-lines, within the central 10 degrees.

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