### Henson 9000 Perimeter: Technical specification

#### 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 colour**: White
- **Test method**: Standard Automated Perimetry (SAP)

#### 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

#### Threshold tests/patterns
- **ZATA Standard - threshold central**: 10-2; 24/30-2 (extendable in-test)
- **ZATA Fast - threshold central**: 10-2; 24/30-2 (extendable in-test)

#### Average test times*
- **Smart Supra – single stimulus**: ~1 min (26 points); ~3.5 minutes for fully extended 24-2 plus 10-2 test (86 points)
- **Smart Supra – multiple stimulus**: Under 30 seconds (26 points)
- **ZATA**: ~2.5 minutes per eye
- **ZATA Fast**: ~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)
- **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
- **Weight (kg)**: 13.5
- **Size, W x D x H (mm)**: 440 x 400 x 452

#### 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.

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