Henson
Leading the field

Technical specification

electron
eye technology
Henson 9000 Perimeter: Technical specification

Test specifications
Visual field test range 60° (monocular) / 160° (binocular) 10,000 ASB 31.5 ASB
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
Test methods Standard Automated Perimetry (SAP), white-on-white

Screening tests/patterns
Smart Supra - single stimulus 26, 54 and 66 point tests (incorporating both 24-2 and 10-2 test pattern points)
Smart Supra - multiple stimulus 26, 54 and 66 point tests (incorporating both 24-2 and 10-2 test pattern points)
Esteman (Driving) Groups 1 (139 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; 30/24-2 (extendable in-test)
ZATA Fast - threshold central 10-2; 30/24-2 (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
Heij-Kraakau 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 (Peninsular)
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 450

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.