

Technical Specifications

Henson 9000



Henson 9000 Perimeter: Technical specifications

Test specifications

Visual field test range	60° (monocular) / 160° (binocular)
Visual field testing distance	9.8 in / 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	30 lb / 13.5 kg
Size, W x D x H	17 x 16 x 18 (in) / 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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