Examination bowl	300 mm radius, closed type, ventilated
Tested field range	100 ° (160 with fixation shift horizontally)
Perimetry technique	Static
Stimulus size	Goldmann size III
Stimulus colors	Blue*, green
Maximum stimulus intensity	1000 asb
Fixation control	Gaze tracking, Blink monitoring, Heijl/Krakau blind spot monitoring
Patient response time	Adaptive to patient speed or set manually from 0,1 to 9,9 s
Background illumination	10 asb for green stimuli, 314 asb yellow background for blue stimuli *
Test fields	C-24A – Central (24° with extent to 30°nasally)
	C-30A – Central(30°)
	F-50 – Full (50° in all directions)
	C-22 – Central (30° in horizontal axis and 22° in vertical axis)
	G-50 – Glaucoma (30° with extent up to 50° in nasal direction)
	P-50 – Peripheral (from 30° to 50°)
	M-10 – Macula (up to 10°)
	E-80 – Extended (special field for drivers examination – 50° in nasal direction, 80° in temporal direction)
	C-30 – Fast (up to 30° with scarce points)
	BDT– Binocular Driving Test (160° bitemporal, 100° vertical)
	User (up to 50° user defined)
Strategies	Threshold, Fast Threshold, Advanced Threshold, Screening, 3-zone, 2-zone, BSV (Binocular Single Vision), Flicker (Critical Fusion Frequency), BDT (Binocular Driving Test)
Result maps	Hill of Vision Deviation, Total Deviation (Age norm), Pattern Deviation, Total Deviation Probability, Pattern Deviation Probability, Defects Progress Analysis, Results Comparison, Bebie Curve, Pupil Movement Graph, 3D Visualization of Patients HOV
Connectivity	DICOM Storage SCU, DICOM MWL SCU, GDT, Text files, Command line
Device interface	USB 2.0
Dimensions (HxWxD), weight	645 x 561 x 385 mm , 11kg
Operating Voltage	100-120VAC 50-60Hz or 220-240V AC 50Hz

* available in PTS 920 BY

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AUTOMATED PERIMETER PTS 920

Fast and precise perimetry at your fingertips

Automated Perimeter PTS 920 is a modern diagnostic instrument for precise and fast testing of field of vision. Beside standard perimetry testing techniques it implements all modern approaches which save time and deliver cutting edge precision and reliability. Intuitive software with powerful networking and EMR integration, combined with maintenance free and reliable hardware creates the best tool for visual field testing.

PTS 920
with ALL-IN-ONE PC

ALL THAT YOU NEED

- Complete set of standard perimetry tests.
- Variety of threshold algorithms and screening techniques.
- Binocular Driver's Test, Flicker perimetry and Blue on Yellow*.
- Complete palette of analysis tools for quick and thorough assessment of visual fields.
- Comparison and progression module available in standard package.

THRESHOLD IN 3 MINUTES**

- Advanced Threshold strategy - quicker examination without loss in result resolution.
- **24-2 equivalent field tested in less than 3 minutes (30-2 equivalent in less than 4 minutes).
- Provides more detailed information than screening strategies in comparable duration.

FLEXIBILITY FOR TIME

- Rich library of predefined test fields and programs.
- Custom test settings can be stored and accessed with one mouse click.
- Follow-up tests can be performed by simple selection of base examination.
- Partial test results of not completed test can be continued at a later date.

SUPREME RELIABILITY

- High resolution camera for precise monitoring of patients' compliance.
- Blink control - no stimuli are omitted due to normal blinking, test is put on hold until the eye is opened again.
- Eye tracking - analyses pupil movement and assures supreme reliability of test results.
- Voice messages assist operator and patient during the examination.

DICOM, GDT, EMR, NETWORK INTEGRATION

- Built-in networking features - data can be accessed from anywhere within your network.
- Out of the box DICOM support.
- Storing visual field reports on the DICOM image server.
- DICOM Modality Worklist support.
- GDT interface and custom EMR's based on text file interface.