NEW AUTOMATED PERIMETERS

Fast and precise perimetry at your fingertips

PTS 925
Automated Perimeter

PTS 920
Automated Perimeter

PTS 2000
Projection Perimeter

PTS 920 | PTS 925W | PTS 2000

OPTOPOL technology
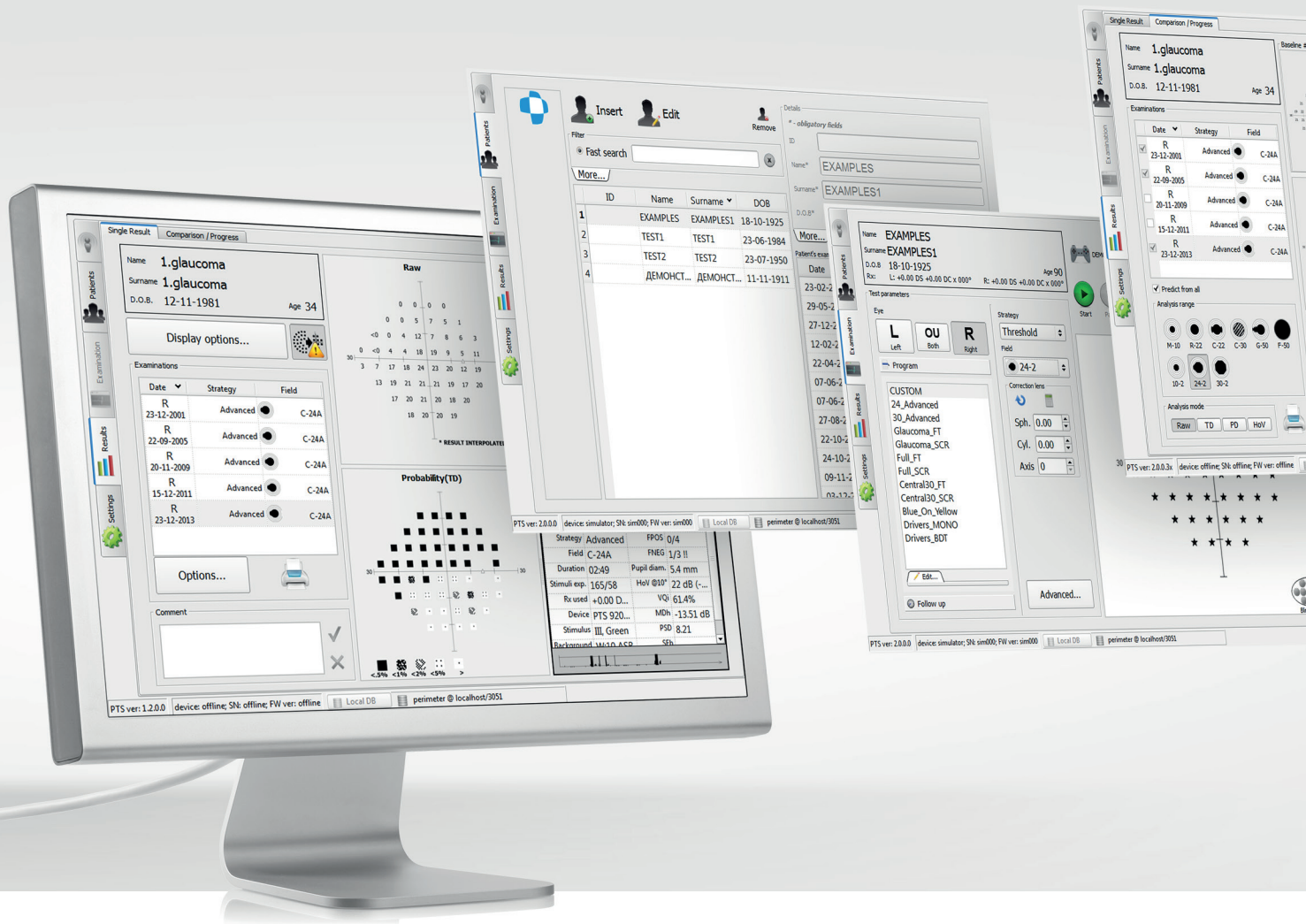
FAST AND PRECISE PERIMETRY AT YOUR FINGERTIPS

The PTS automated perimeter series are modern diagnostic instruments for precise and fast testing of visual fields. Beside standard perimetry testing techniques they implement all of the latest visual field testing approaches saving 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 tools for visual field testing.

EYE TRACKING
Analyses pupil movement and assures supreme reliability of test results.

BLINK CONTROL
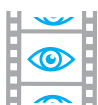No stimuli are omitted due to normal blinking, test is put on hold until the eye is opened again.

VOICE GUIDE
Voice messages assist operator and patient during the examination.

THRESHOLD IN 3 MINUTES WITH ZETA™ **
ZETA™ and ZETA™ Fast strategies - fast and reliable examination with precise threshold estimates.

EYESEE™ EYE RECORDING
EyeSee™ module records eye preview images during stimuli exposures and displays them when reviewing the test result.
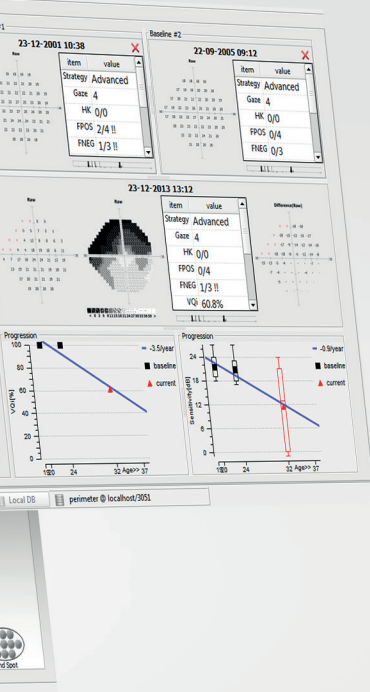
DPA™ ANALYSIS
DPA™ Defect Progression Analysis - inter-test analysis and judgement on defect progression.

HEAD TRACKING
Monitoring and adjusting patient's head position throughout the test.

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.
- ✔ Evaluation of peripheral field loss.
- ✔ Standard test reports and global indices.
- ✔ GHT and sectors analysis.

PTS 925W

Automated Perimeter PTS 925W brings the world's most popular orthogonal fields 30-2 and 24-2 into the compact sized device.

Despite its compact size, the 925W offers cutting-edge design and software capabilities. With the 170° horizontal and 110° vertical testing range (with fixation shifts), there is no scenario in which the PTS 925W could not play a role in glaucoma and other disease management. From precise macula thresholding to the binocular Esterman driving test – everything is within reach.

- • Compact and robust design
- • White on white testing
- • Goldmann standard bowl and stimulus
- • 170° horizontal and 110° vertical testing range
- • 30-2, 24-2 and 10-2 testing fields.
- • Ptosis testing capabilities (Sup 44 test field)
- • Thresholding on 24-2 and 30-2 in 3-4 minutes**
- • Standard style printouts

PTS 920/BY

Automated Perimeter PTS 920/BY is designed to fulfill all requirements of contemporary perimetry.

Being a continuation of a successful PTS 900 perimeter series, it offers the same ease of use and affordability. With ergonomic design and modern testing and analysis software, the 920 makes a leap forward from the original PTS 900 series. Full sized testing bowl and user-oriented software guarantee the perfect results with no effort.

- 160° horizontal and 100° vertical testing range
- Goldmann standard bowl and stimulus
- Thresholding on 24A and 30A in 3-4 minutes**
- Full featured software in standard
- Statistical package and Dicom interface
- Optional Blue on Yellow testing
- Standard style printouts
- Maintenance free operation

PTS 2000

Automated Perimeter PTS 2000 sets a new standard for full-featured projection perimeters.

This is where the ergonomic design meets the requirements of modern visual field evaluation. Performing everything from a quick screening test to manually controlled kinetic perimetry is simpler than ever before. PTS 2000 brings to you one of the world's largest field testing ranges and options, together with all Goldmann stimuli sizes and stimuli colors used in perimetry. With the modern and intuitive software, all that is available at your fingertips.

- Complete set of static perimetry strategies
- Automatic and manual kinetic perimetry
- 180° horizontal and 130° vertical testing range for peripheral screening
- Aspherical bowl for compact dimensions
- All Goldmann stimuli sizes and colors used in perimetry
- 30-2, 24-2 and 10-2 testing fields
- Ptosis testing capabilities (Sup 64 test field)
- Standard style printouts

PTS – AUTOMATED PERIMETER SERIES

THRESHOLD IN 3 MINUTES**

- ZETA™ and ZETA™ Fast strategies - testing based on statistical data for high reliability and precise threshold estimation.
- Advanced Threshold strategy - quicker examination without loss in result resolution.
- 24-2/24A field tested in less than 3 minutes (30-2/30A in less than 4 minutes).**
- Provides more detailed information than screening strategies in comparable duration.

STANDARD TEST REPORTS AND GLOBAL INDICES

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.
- EyeSee eye recording for even better evaluation of test reliability.
- Head Tracking mechanism to assure appropriate eye position and avoid test artifacts.

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.

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.

STRUCTURE & FUNCTION ANALYSIS

- Export of visual field data to Optopol SOCT software.
- Invaluable combination of information about the functional quality of vision with comprehensive data on retinal structures.
- S+F provides a comprehensive single page report for glaucoma management.

*   optional
**   depends on a patient condition

Device	PTS 920, *PTS 920BY	PTS 925W	PTS 2000
Examination bowl	300 mm radius, spherical, closed type, ventilated	300 mm radius, spherical, closed type, ventilated	300 mm radius, aspherical, closed type, ventilated

Test field range		PTS 920, *PTS 920BY	PTS 925W	PTS 2000
	Superior	50°	40° (55° with fixation shift)	60° (70 with fixation shift)
	Inferior	50°	40° (55° with fixation shift)	70°
	Left to right	100° (160° with fixation shift)	100° (170° with fixation shift)	180°

		PTS 920, *PTS 920BY	PTS 925W	PTS 2000
Testing techniques	Static perimetry	●	●	●
	Kinetic perimetry			●
Stimulus sizes (Goldmann)	III	●	●	●
	I to V			●
Stimulus colors	White		●	●
	Green	●		●
	Blue	●*		●
	Red			●
Background illumination	White 3,2 cd/m² (10 asb)	●		●
	White 10 cd/m² (31,5 asb)		●	●
	Yellow 100 cd/m² (315 asb)*	●*		●
Maximum stimulus intensity		1000 asb	10000 asb	10000 asb
Fixation control	Gaze tracking	●	●	●
	Blink monitoring	●	●	●
	Heijl/Krakau	●	●	●
	EyeSee™	●	●	●
Chinrest control	Electrical up-down	●	●	●
	Electrical left-right			●
Patient response time	Set manually 0,1 to 9,9 s	●	●	●
	Adaptive to patient speed	●	●	●
Test fields	Radial test field patterns	●		●
	Orthogonal test field patterns		●	●
	5-2, 10-2, 24-2, 30-2, Sup 44/64		●	●
	G1, G0-2, N1, N2, 07, 60-4, FF81, FF120, FF246, BSV, B1, Nasal Step			●
Test strategies	Screening (Quantify defect, 3-zone, 2-zone)	●	●	●
	Threshold (Threshold, Fast Threshold, Advanced Threshold, Dynamic)	●	●	●
	ZETA™, ZETA™ Fast		●	●
	Special (BSV, Flicker)	●	●	●
	Esterman Monocular Test Esterman Binocular Test	●	●	●
	Kinetic (Manual, Automated, Mixed)			●
Analysis	Single field analysis	●	●	●
	Result comparison	●	●	●
	DPA™ Defect Progression Analysis	●	●	●
	Statistical package	●	●	●
Connectivity	DICOM Storage SCU	●	●	●
	DICOM MWL SCU	●	●	●
	GDT, TXT, CMDL	●	●	●
	Networking	●	●	●
	REVO Structure & Function Interface	●	●	●
Device interface		USB 2.0	USB 2.0	USB 2.0
Dimensions mm (HxWxD)		645 x 561 x 385, 11 kg	410 x 568 x 410, 9kg	606 x 532 x 438, 17kg
Operating Voltage		100-120V AC 50-60Hz or 220-240V AC 50-60Hz	100-120V AC 50-60Hz or 220-240V AC 50-60Hz	100-120V AC 50-60Hz or 220-240V AC 50-60Hz
Power consumption		30W	30W	100W

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