OPTOPOL
technology

Automated Perimeter Series

PTS 925
Automated Perimeter

PTS 2000
Projection Perimeter



Fast and precise perimetry,

perfected

FAST AND PRECISE PERIMETRY, PERFECTED



Optopol Automated Perimeter Series

Optopol perimeters include all of the latest visual field testing approaches, saving time and delivering 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.

VOICE GUIDE

Voice messages assist the operator and the patient throughout the examination. The list of available languages is constantly increasing.

EYE TRACKING

Eye Tracking analyzes pupil movements and ensures supreme reliability of test results. Eye movements are recorded and presented on a graph. The test is paused until the proper fixation is restored.

BLINK CONTROL

No stimuli are omitted due to normal blinking. The test is put on hold until the eye is opened again. If needed, the stimulus exposure is repeated.



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.
- Gold standard test reports.
- GHT and sector analysis.
- Defect Progression Analysis tool.
- Standardized global indices (HFA, Octopus).
- Tools for glaucoma and neuro management.

* Blue on Yellow is available with PTS 2000

ZETA™ THRESHOLDING IN 3 MINUTES*

ZETA™ strategies – fast and reliable examination with precise threshold estimates. Available in Standard, Fast and Faster variants.

DPA™ ANALYSIS

Defect Progression Analysis – inter-test analysis and judgement on defect progression. Separation of short term fluctuations from real VF defects.

HEAD TRACKING

Monitoring of the head position throughout the test. Adjusts the chin-rest position to align the pupil.

IMPORT HISTORICAL DATA**

Import database from compatible devices to the perimeter software. Easy and user friendly access to the patient's historic results via the application.

EYESEE™ EYE RECORDING***

The EyeSee™ module records eye preview images during stimuli exposures and displays them when reviewing the test result.

* Available with PTS 925 and PTS 2000.
Test duration depends on patient condition.
** Check compatibility at your local distributor
*** V-Eye™ in the US

PTS 925
Automated Perimeter

The PTS 925 brings the world's most popular visual field patterns, 30-2 and 24-2, into a compact device

Despite its compact size, the PTS 925 offers cutting-edge design and software capabilities. With the 170° horizontal and 110° vertical testing range**, the device is more than capable of 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 (Sup 44 test field)
- Thresholding on 24-2 and 30-2 in 3-4 minutes*
- Standard style printouts
- 24-2C and 30-2C testing field variants
- Levelling support available





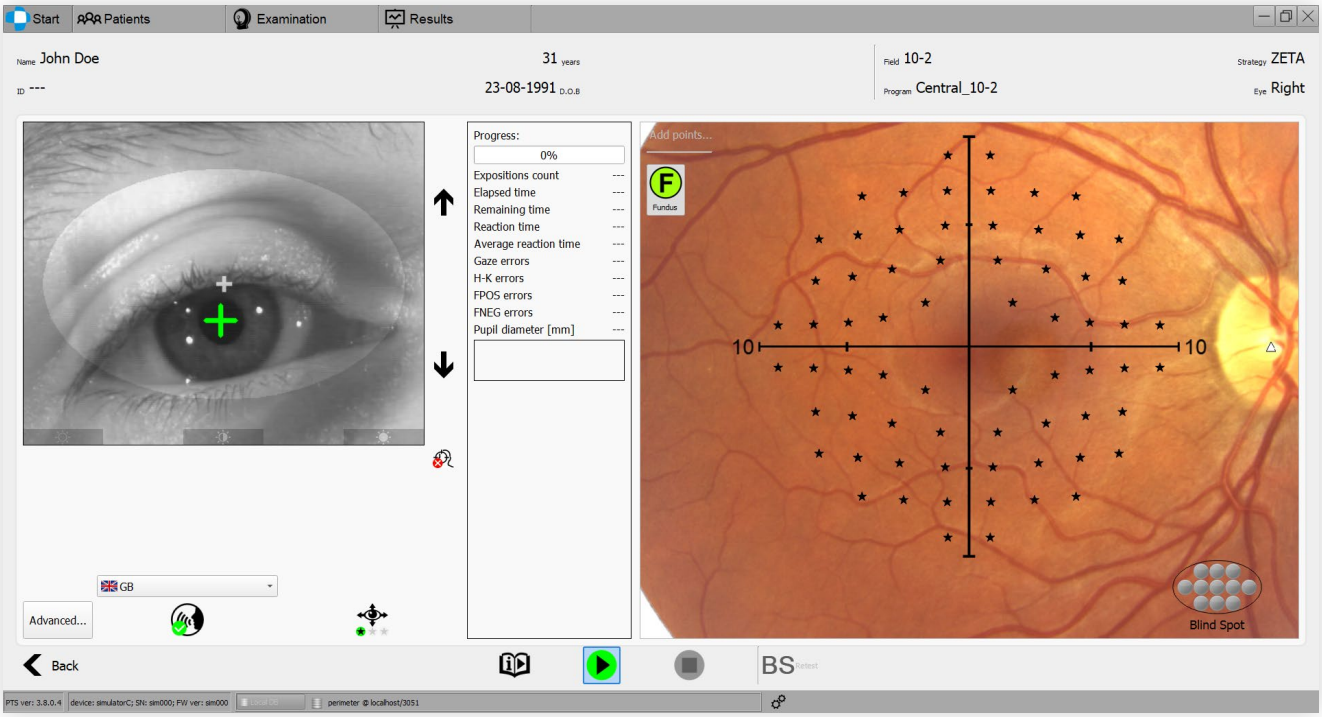
PTS 2000

Projection Perimeter

Where ergonomic design meets the requirements of modern visual field evaluation. Performing everything from a quick screening test to kinetic, perimetry is simpler than ever before. The PTS 2000 brings to you one of the world's largest field testing ranges and an array of options, together with all Goldmann stimuli sizes and colors used in perimetry. The PTS 2000 sets a new standard for full-featured projection perimeters.

- Complete set of static perimetry strategies
- Automatic and manual kinetic perimetry
- 180° horizontal and 140° vertical testing range**
- Aspherical bowl for compact dimensions
- All Goldmann stimuli sizes and colors
- 30-2, 24-2, and 10-2 testing patterns
- Ptosis testing (Sup 64 test field)
- Standard style printouts
- LED projection light source
- 24-2C and 30-2C testing field patterns

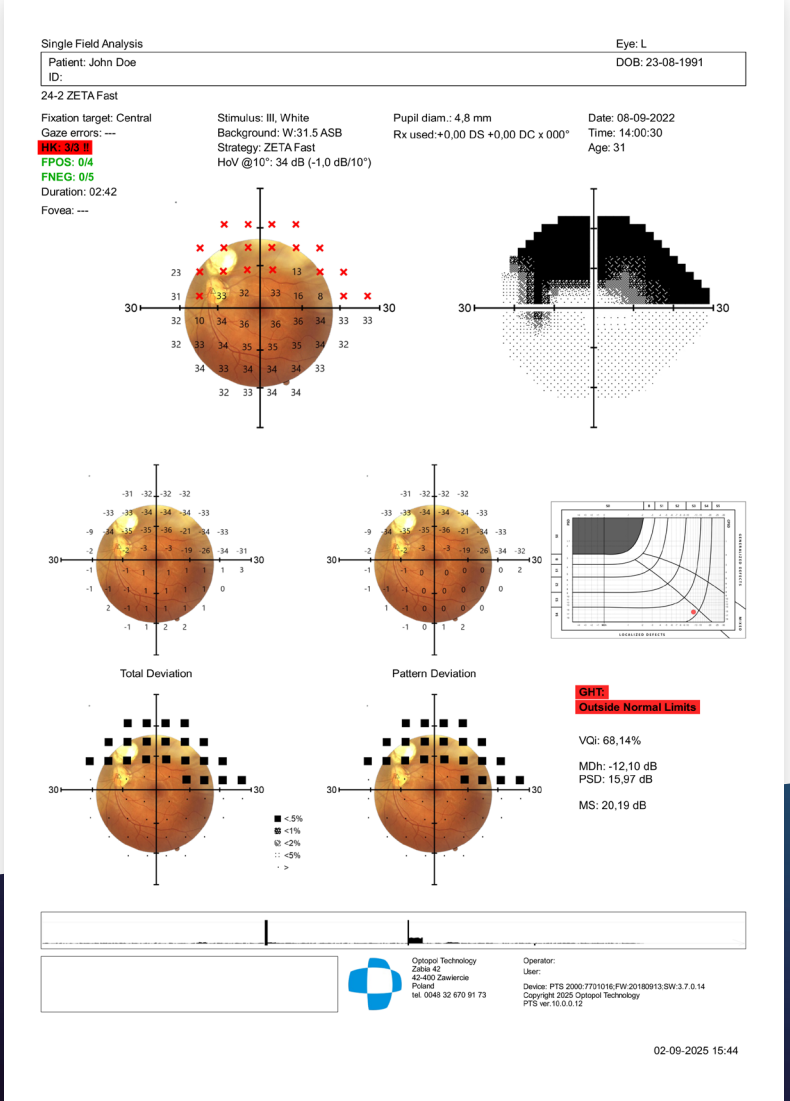
* depends on a patient condition
** range with fixation shift



FUNDUS-ORIENTED PERIMETRY

Import your Fundus Images

PTS can import your fundus photography images or the OCT layer thickness maps as a background to examine and review the Visual Field. Correlation of the structural information with the functional Visual Field assessment results is done using the RGC displacement correction to provide the highest diagnostic value. VF overlay maps can be printed on a standard VF report.



PTS – AUTOMATED PERIMETER SERIES

THRESHOLD IN 3 MINUTES*

- ZETA™, ZETA™ Fast and ZETA™ Faster strategies - testing based on statistical data for high reliability and precise threshold estimation.
- Advanced Threshold strategy - quicker examination without loss in result resolution.
- Central 24-2 field tested in 3 minutes*.
- Acquire more detailed information than screening strategies in the same amount of time.

SUPREME RELIABILITY

- High resolution camera for precise eye monitoring.
- Blink control - no stimuli are omitted due to normal blinking, the test is put on hold until the eye is opened again.
- Eye tracking - analyzes pupil movement and assures supreme reliability of test results.
- Voice guide to assist the operator and patient during the examination in several available languages.
- EyeSee™** eye recording for better evaluation of test reliability.
- Head Tracking mechanism to ensure appropriate eye position and avoid test artifacts.

TIME SAVING FEATURES

- Rich library of predefined test fields and programs.
- Custom test settings can be stored and accessed with one click.
- Follow-up tests can be performed by selecting the base examination.
- Unfinished tests 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.
- DICOM support comes standard.
- Store visual field reports on the DICOM image server.
- Includes DICOM Modality Worklist.
- GDT and custom EMR based on text file interface.

* depends on a patient condition
** V-Eye™ in the US



STANDARD TEST REPORT FORMATS

TECHNICAL SPECIFICATION





Device		PTS 925	PTS 2000
Examination bowl		300 mm radius, spherical, closed type, ventilated	300 mm radius, aspherical, closed type, ventilated
Test field range	Superior	40° (55°)**	60° (70°)**
	Inferior	40° (55°)**	70°
	Left to right	100° (170°)**	180°
Testing techniques	Static perimetry	•	•
	Kinetic perimetry		•
Stimulus sizes (Goldmann)	III	•	•
	I to V		•
Stimulus colors	White	•	•
	Green		•
	Blue		•
	Red		•
Background illumination	White 3.18 cd/m² (10 asb)		•
	White 10 cd/m² (31.4 asb)	•	•
	Yellow 100 cd/m² (314 asb)*		•
Maximum stimulus intensity		10000 asb	10000 asb
Fixation control	Gaze tracking	•	•
	Blink monitoring	•	•
	Heijl/Krakau	•	•
	V-Eye™	•	•
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	•	•
	G0-2, 5-2, 10-2, 24-2, 24-2C, 30-2, 30-2C, Sup 44, Gandolfo	•	•
	G1, N1, N2, 07, 60-4, FF81/120/135/246, BSV, B1, Nasal Step, Sup 36, Sup 64, Central 40/64/80, Armaly C/F, BG, BT, G-Periphery, N-Fovea, M, D		•
Test strategies	Screening (Smart Screening, Quantify Defect, 3-zone, 2-zone, Single Intensity)	•	•
	Threshold (Threshold, Fast Threshold, Advanced Threshold, Dynamic)	•	•
	ZETA™, ZETA™ Fast, ZETA™ Faster	•	•
	TOP, TOP+	•	•
	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	•	•
Device interface		USB 2.0	USB 2.0
Dimensions mm (HxWxD)		418 x 556 x 408, 9kg (20lbs)	604 x 483 x 427, 17kg (37lbs)
Operating Voltage		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	100W

** range with fixation shift

OPTOPOL technology

EYE ADVISORY GROUP

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