

AutoPerimeter 300™ | Advanced Perimetry Offering Precision and Flexibility



The Optos® AutoPerimeter 300 is designed to suit clinical perimetry requirements delivering reliable results and complying with Goldmann standards. Designed for ease of use, the AutoPerimeter 300 features Static, Kinetic, and Flicker Perimetry with variable stimulus size and color capability, as well as a state of the art Digital Eye Tracking System.

Precision Testing

The AutoPerimeter 300 utilizes a high density of points increasing accuracy when testing central vision and determining foveal sensitivity losses. Stimuli are presented in an arcuate format which resembles the natural pattern of receptor cells of the retina and gives the most precise results, however the traditional Goldmann diamond grid format can also be used. The Digital Eye Tracking system, with automatic pupil measurement function, allows for rapid and accurate exams. Test parameters and algorithms are compliant with internationally recognized Goldmann specifications.

Flexibility for Clinical Requirements

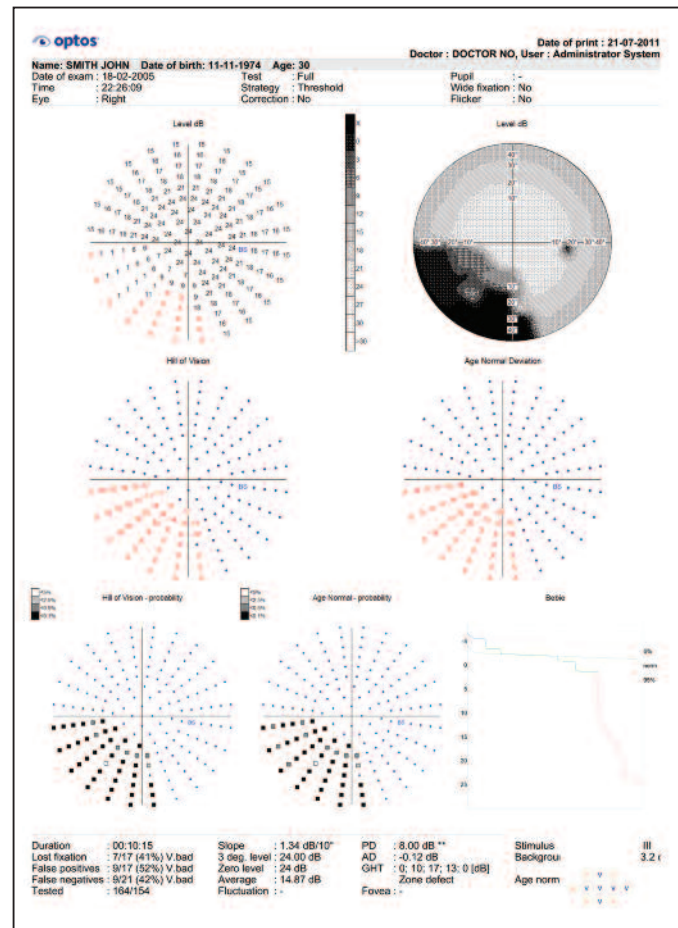
Optos' AutoPerimeter 300 offers flexibility in visual field analysis with customizable tests to accommodate different clinical requirements. Different strategy algorithms are available to favor speed, precision, and reliability - or balance all, based on the field and density of points tested.

- **Smart Threshold Strategy:** Innovative technique to significantly reduce test time without compromising accuracy. Precision obtained in as little as 2 minutes per eye.
- **Adaptive test times:** Change test times automatically to accommodate patient needs (stimulus duration, response time and wait time) or select the preset test times (slow, normal and fast).
- **Retest of suspect points:** Click on a single point to enable retest during examination to review suspect areas or test specific regions.
- **Examination Area Expansion:** Tests can commence with any field size. Should peripheral visual losses be located during an examination - easily expand the test area up to any field size.*
- **Custom Tests:** User-friendly custom field editor allows instant customization of tests or creation of new ones.
- **Kinetic Tests:** Used in number of clinical situations where the periphery needs to be tested or where automated static perimetry reaches its limits. Useful also in situations where it is difficult to obtain reliable results with automated perimetry (elderly patients, children). The AutoPerimeter 300 Kinetic tests can consist of up to 8 isopters.

Ease of Use

AutoPerimeter 300 is delivered as a complete package, with all software included at no extra cost. Software is intuitive, simple to use and easily upgraded. System menus, warning sounds and operating language are interactive and customizable. Required information is gathered in an efficient and practical format.

* Up to 50 degrees



TYPICAL 7 in 1 PRINTOUT*

Building *The* Retina Company



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Network Capable The AutoPerimeter 300 is network capable and can integrate with electronic practice management systems. Network data sharing or remote system accessibility and operation is also possible increasing user convenience and enhancing workflow.

Reliability The AutoPerimeter 300 utilizes Light Emitting Diode (LED) technology, requiring minimal maintenance.

Complete Analysis Modes Analysis tools and functions compatible with Goldmann standards:

- Hill of Vision Deviation/ Mean Deviation
- Hill of Vision Probability/ Mean Deviation Probability
- Age Normal Deviation/ Total Deviation
- Age Normal Probability/ Total Deviation Probability
- Decibel Level
- Complete field perimetry analysis
- Differential map
- Regression analysis
- Bebie Defect Curve
- Absolute
- Normalized display

Global & Reliability Indices Examination data analysis is complemented by Global, Reliability and other indices:

- Pattern Defect (PSD)
- Corrected Pattern Standard Deviation (CPSD)
- Average Defect (MD)
- Fluctuation (SF)
- Fixation losses
- False positives
- False negatives & Slope
- Glaucoma Hemifield Test (GHT)
- Points tested
- 3° level
- Zero level
- Fovea test

Print & View Modes Exam reports are customizable and can be configured in different views and formats (.jpeg, .bmp, .html) for electronic file sharing.

VIEW MODES:

- Hill of Vision
- Age normal
- Values (dB)
- Color
- Pattern scale
- Gray scale
- 3-D view
- Bebie curve
- Exam comparison
- Regression analysis (single)
- Regression analysis (combo)

PRINT OPTIONS:

- Standard (7 in 1)
- Standard HFA Printout
- Standard HFA 30-2 Printout
- Combo (4 in 1)
- Multi (16 total)
- Cross section graph
- Single (all view modes)
- Custom formats



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Specifications

AutoPerimeter 300™

TEST CAPABILITY	Central and Peripheral 100° (up to 160° with fixation shift)
TEST MODE	Static, Kinetic
STIMULATOR SCREEN	Part hemispherical radius 300mm. Integrating diffusing surface.
BACKGROUND ILLUMINATION WITH AUTO-AMBIENCE LEVEL CONTROL	10 asb for standard perimetry 100 asb for Blue on Yellow (SWAP) 31.5 asb for Red on White and White on white
STIMULUS SOURCE	Rear Projection LED, Front Projection LED
STIMULUS COLOUR	Green, Blue, Red, White
STIMULUS SIZE	Goldmann size I to V Adjustable
STIMULUS INTENSITY	0.03 asb - 1000 asb
STIMULUS DURATION	Adjustable 0.1 - 9.9 sec & Adaptive
PATIENT RESPONSE TIME	Adjustable 0.1 - 9.9 sec & Adaptive
INTER-STIMULUS DELAY	Adjustable 0.1 - 9.9 sec & Adaptive
PUPIL MEASUREMENT	Automatic
SPECIALITY TEST STRATEGIES	Kinetic, Threshold Blue on Yellow (SWAP) Fast Threshold Blue on Yellow (SWAP) Flicker Sensitivi, Wide Fovea Sensitivity
STANDARD TEST STRATEGIES	Fovea Sensitivity, Threshold, Fast Threshold, Smart Threshold, Fast Scan, Screening, Neurological, 2-Zone, 3-Zone, Quantify Defect, Driving, Binocular Driving, Binocular Single Vision (BVS), Constant
FIXATION METHODS	Digital Eye Tracking with camera view Heiji-Krakau blind spot method with camera view
FIXATION TARGET	Red LED 650nm
TRIAL LENS DIAMETER	38 mm
PATIENT DATABASE BACKUP	CD, DVD, USB with auto procedure, on Internal PC
USER INTERFACE	PC Embedded - Requires Monitor, Keyboard & Mouse PC Embedded - Operation via Touch Screen Monitor
ELECTRICAL REQUIREMENTS	110 - 230 VAC, 50/60Hz
POWER CONSUMPTION	65W (max)
STIMULATOR UNIT WEIGHT	22 kg
STIMULATOR UNIT	566 mm (H) x 633 mm (W) x 396 mm(D)

NOTE: Specifications are subject to change without notice.

Field Name Number of Points

All color modes

Full 50°	165
Glaucoma 22°/50°	101
Central 30°	117
Central 22°	93
Wide 22°/30°	128
Peripheral 30°/50°	72
Macula 10°	45
Driving 50°/80°	189

HFA Tests

Macula Grid	5°
Central 10-2	10°
Central 24-2	24°
Central 30-2	30°

Kinetic Perimetry Options

Kinetic Test Fields: 30°, 40°, 50°, 50°/80°
Kinetic Stimulus Speed: 2°/s, 4°/s, 6°/s, 8°/s
Meridian Angle Range in Kinetic Test: From 0° to 360° adjustable by 1°
Number of Isopters in Kinetic Test: From 0° to 360° adjustable by 1°