

opto perimeters

automated perimeters

►► SPECIFICATIONS

		AP100	AP200
TEST CAPABILITY	Central and Peripheral 100° (up to 160° with fixation shift)	◦	◦
TEST MODE	Static	◦	◦
STIMULATOR SCREEN	Part hemispherical Radius 300mm. Integrating diffusing surface	◦	◦
BACKGROUND ILLUMINATION	10 asb with automatic level control for standard perimetry 320 asb with automatic level control for blue on yellow	◦	◦
STIMULUS SOURCE	Rear projection LED	◦	◦
STIMULUS COLOR	565nm for standard perimetry 570nm for standard perimetry 435nm for blue on yellow	◦	◦
STIMULUS SIZE	Goldmann size III (0.43°) for standard perimetry Goldmann size V (1.8°) for blue on yellow	◦	◦
STIMULUS INTENSITY	0.03 asb - 1000 asb	◦	◦
STIMULUS DURATION	0.1 - 9.9sec	◦	◦
PATIENT RESPONSE TIME	0.1 - 9.9sec adaptive to patient	◦	◦
INTER-STIMULUS DELAY	0.1 - 9.9sec	◦	◦
TEST STRATEGY	<ul style="list-style-type: none"> • Blue on Yellow • Screening • Threshold • Fast threshold • 2-Zone • 3-Zone • Neurological • Flicker • Quantify Defect • Binocular Single Vision (BVS) • FastScan 	◦	◦
FIXATION METHODS	<ul style="list-style-type: none"> • Digital eye tracking • Heijl-Krakau blind spot method with camera view 	◦	◦
TEST LENS DIAMETER	38 mm	◦	◦
PATIENT DATABASE BACKUP	CD, DVD or floppy disk with automatic procedure	◦	◦
ELECTRICAL REQUIREMENTS	110 - 230VAC, 50/60Hz	◦	◦
POWER CONSUMPTION	30W	◦	◦
WEIGHT	15Kgs	◦	◦
DIMENSIONS (MM)	700mm(H) x 650mm x (W) x 500mm(D)	◦	◦
OPTIONAL INTEGRATED PC	Requires external monitor with DVI input, printer, keyboard and mouse		◦
MINIMUM SYSTEM REQUIREMENTS	<p>DESKTOP PC:</p> <ul style="list-style-type: none"> • Intel Pentium (or equivalent) 1GHz Processor, 64MB RAM • Microsoft™ Windows® XP • Internal 800x600 SVGA Video Card (Must Support OpenGL) • 9-pin serial connector port (preferred) • CD-ROM drive • 1GB of HDD available space • Standard inkjet or laser printer port <p>LAPTOP PC:</p> <ul style="list-style-type: none"> • USB 2.0 Port • 9-pin serial connector port (preferred) or Serial connector to USB port converter • External AverTV USB 2.0 Video Adapter 		

opto perimeters

automated perimeters

The Opto Automated Perimeters utilize innovative features such as Blue on Yellow and Flicker Perimetry, as well as Digital Eye Tracking. Whether your needs are standard or advanced testing, the Opto Automated Perimeters provide the features to deliver fast and accurate results.

optoglobal

INTERNATIONAL SALES
OPTO GLOBAL PTY LTD
Adelaide, Australia
Telephone: +61 8 8443 4533
Facsimile: +61 8 8443 4535
info@optoglobal.com.au
www.optoglobal.com.au

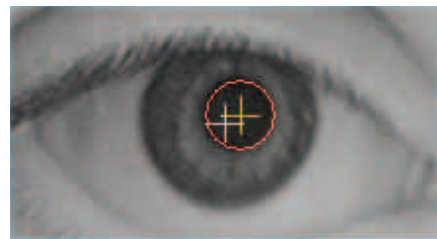
USA SALES
OPTO GLOBAL, INC.
Roseville, California
Telephone: 916 771 4111
Facsimile: 916 771 4101
info@opto-global.com
www.opto-global.com



opto-global.com

optoperimeters

automated perimeters



DIGITAL EYE TRACKER FOR ENHANCED PATIENT FIXATION MONITORING. RAPID EXAMS. ACCURATE RESULTS.

AVAILABLE MODELS

API00 - STANDARD PERIMETRY

AP200 - ENHANCED PERIMETRY

- Blue on yellow perimetry
- Motorized chin rest (optional)
- Integrated CPU (optional)
- Background illumination by LED

RAPID TESTING TIMES

Several techniques are available to reduce examination time, including Screening and Fast Threshold strategies, and enhanced fixation methods. For patients with large field losses, the use of pattern and neurological test methods is available.

ACCURATE RESULTS

The high density concentric points stimulator bowl and the enhanced stimulus control combined with the automatic eye tracking fixation method, provide accurate examination of field loss.

USER-FRIENDLY SOFTWARE

The Opto Perimeter software was designed to be intuitive and simple to use, even for operators with limited computer skills. The interactive menus provide comprehensive information and efficient operation, reducing the time spent preparing, reviewing and printing patient exams.

IMPROVED PATIENT COMFORT

Patient comfort can influence the reliability of the exams. The open design of the stimulator unit augments ventilation and reduces the potential for patient experiencing claustrophobia or similar sensation.

CUSTOM FIELD EDITOR

A user-friendly field editor enables quick and simple creation of customized tests.

STANDARD TEST FIELDS

NUMBER OF TEST POINTS	API00	AP200 STANDARD PERIMETRY	AP200 BLUE ON YELLOW
Central 22°	96	93	92
Central 30°	120	117	116
Driving 50°/80°	196	189	188
Full 50°	168	165	164
Glaucoma 22°/50°	92	101	100
Peripheral 30°-50°	72	69	68
Wide 30°-50°	128	125	124
Macular 10°	48	45	44

QUICK TEST AREA SELECTION

A simple point and click of the mouse enables a quick selection of the points facilitating a straightforward testing of specific regions.

MULTIPLE TEST CAPABILITIES

The Opto Perimeters have a wide range of tests available to suit every need - Glaucoma, Full Field, Peripheral, Macula, Wide Field, Flicker, Binocular Single Vision, Driving Test and others.

COMPLETE ANALYSIS MODES

- World population statistics
- Enhanced 3D function for all shaded maps
- Age-normal, HoV, Level, ABS and normalized display
- Differential map
- Standard automated perimetry analysis

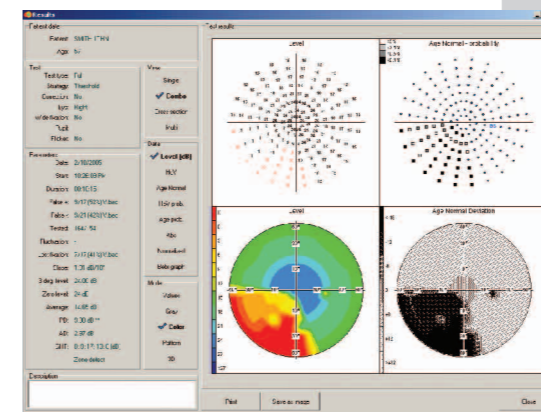
PUPIL DIAMETER MEASUREMENT

The Opto Perimeter automatic pupil measurement function saves time and augments convenience in every examination.

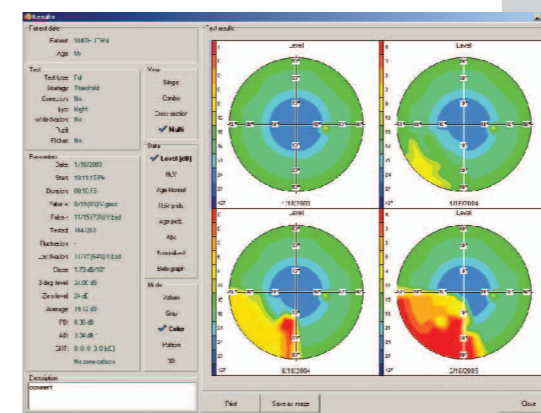
RELIABILITY

The Opto Perimeter is a reliable instrument that will provide the clinician with many years of trouble-free operation. There is no requirement for routine maintenance. Unlike the projection type perimeters, the Opto Perimeter utilizes Light Emitting Diodes (LED) technology, having no motors or intricate mechanical parts. The Opto Perimeter interfaces with a standard IBM compatible PC, simplifying technical support.

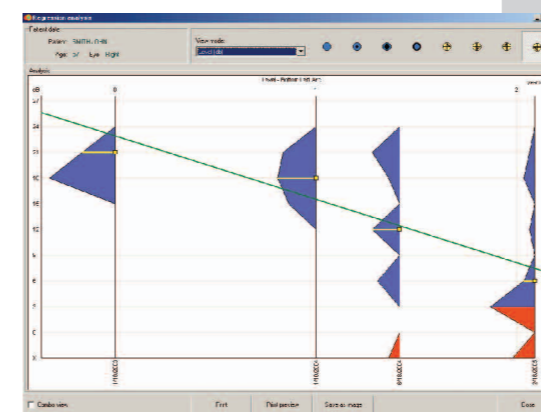
comparative analysis



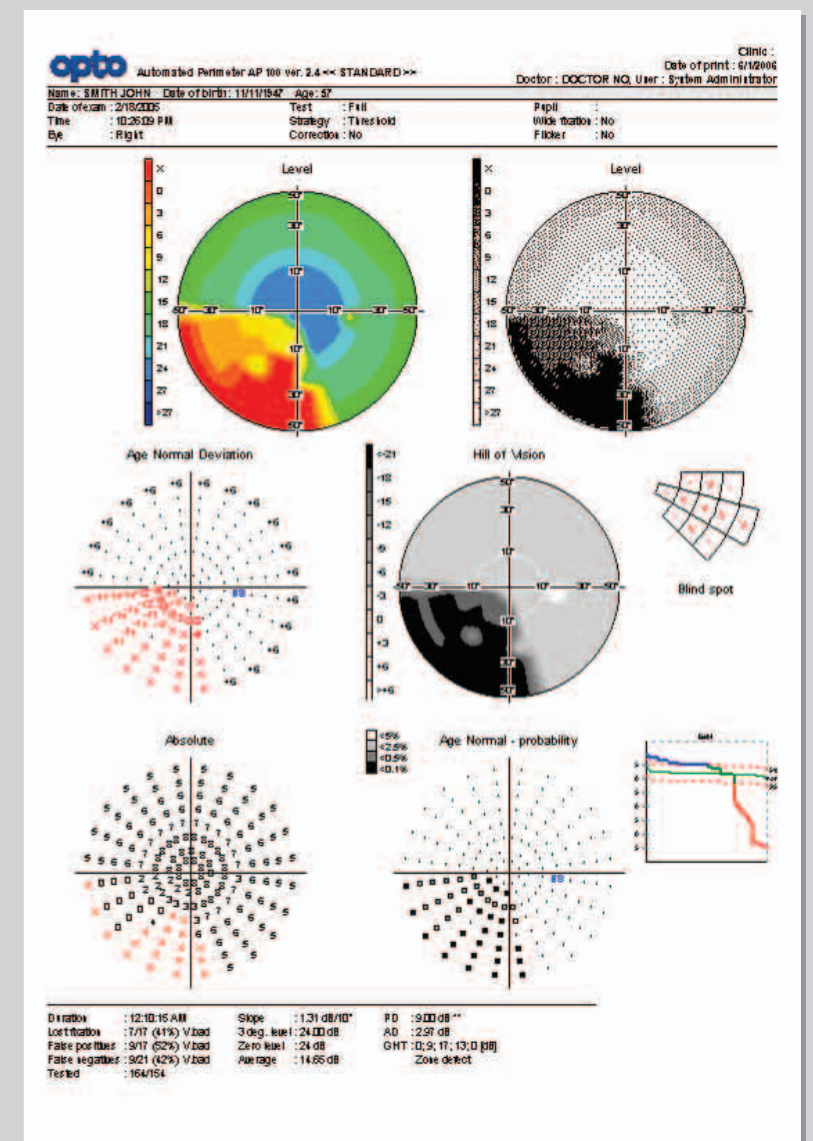
COMBO VIEW



MULTI EXAM VIEW



REGRESSION ANALYSIS



7 IN 1 PRINTOUT