

Frey

CE 1434



Automated Perimeters

AP-250/ AP-250BY
AP-50

AP-250/250BY

AP-250 and AP-250BY are fully functional static back LED projection automated perimeters with a full field measurement. AP-250 and AP-250BY use green color LED projection of stimulus in Goldman size III. AP-250BY additionally offers test Blue-on-yellow with a blue stimulus Goldman V size and yellow backlight in accordance with the requirements of the SWAP perimetry.

The intuitive software platform provides operators with a wide range of strategies, fields and test parameters. Control of fixation is performed automatically using the built-in camera or by controlling the position of the blind spot. Built-in data capture and analysis include regression analysis and standardized fields for presentation and printing of examination results. Perimeter AP-250 and AP-250BY can be easily set up with any PC computer running the Windows operating system.



AP-50

AP-50 is a desktop model, lightweight and fully featured modern static automated perimeter ideal for glaucoma diagnosis and specific requirements of occupational medicine and busy mobile clinicians. AP-50 uses LED back projection of stimulus in white color, and offers a wide range of strategies, test fields and reach set of test parameters to assure quick and precise measurement. Control of fixation is performed automatically using the built-in camera or by controlling the position of the blind spot. Built-in data analysis includes regression analysis and standardized ways of presenting and printing examination results. Perimeter AP-50 can work with any PC computer running the Windows operating system.





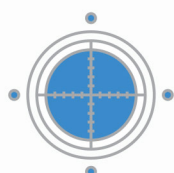
Frey Perimeter

Frey Perimeter product range covers entire spectrum of visual field test technologies, from complete testing and data analyzing system AP-300 to small size and lightweight glaucoma screening AP-50 device. Frey perimeter software is feature rich and designed to be intuitive and easy to use.



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 calibration 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.



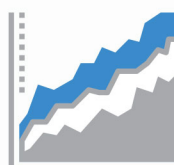
User friendly software

Frey 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. The software is designed to be easily operated with a touch screen.



Improved patient comfort

Patient comfort can influence the reliability of the exams. The design of the stimulator unit augments ventilation, chinrest assures stable and comfortable patient head support during entire examination.



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.



Multiple test capabilities

Frey 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.



Networking

Frey Perimeter software is designed to seamlessly integrate with computer networks. Multiple perimeters may share one examination database. For result printing and centralized data storage network printers and network data servers can be used. Automated backup function assures safety of patient data. Service access and Wi-Fi connectivity anytime anywhere for Frey technical support.

Technical Specifications	AP-50	AP-250	AP-250BY
Test Specifications			
Maximum temporal range (degrees)	80		
Stimulus duration	0.1 – 9.9s		
Visual field testing distance	30 cm		
Background illumination	31.5 ASB	10 ASB	10 ASB
Test modes			
Supra threshold age corrected (Screening)	•	•	•
Single intensity	•	•	•
Full threshold	•	•	•
Fast threshold	•	•	•
Smart threshold	-	•	•
2-Zone, 3-Zone, Quantify Defect, Neurological	-	•	•
Specialty test library			
Bi-Driving, Industrial Medicine, monocular, binocular	•	•	•
Peripheral	-	•	•
Kinetic testing	-	-	-
Blue-on-Yellow (SWAP)	-	-	•
Custom testing	-	•	•
Test field library			
24-2, 30-2, 10-2, Macula	-	-	-
Nasal step (Glaucoma)	•	•	•
Central 10, Central 20, Central 30, Macula	•	•	•
Peripheral	-	•	•
Computer			
Build-in PC	-	-	-
Touch screen support	•	•	•
Fixation control			
Heijl Krakau blind spot monitor	•	•	•
Eye tracking (video camera)	•	•	•
Eye preview (video camera)	•	•	•
Stimulus			
White on white	•	-	-
Green on white	-	•	•
Red on white	-	-	-
Blue on yellow	-	-	•
General Testing Features			
Stimulus size (Goldman size)	III	III	III & V
Fovea threshold testing	•	•	•
Automatic pupil measurement	•	•	•
Additional software features			
Network connectivity	•	•	•
DICOM export	•	•	•
Targeted perimetry (merging tests with fundus images)	-	-	-
Fast threshold strategies	•	•	•
Time adaptive algorithms	•	•	•
Regression analysis	•	•	•
Printer	External or network printer		
Dimensions			
Height	382 mm	637 mm	
Width	548 mm	566 mm	
Depth	450 mm	420 mm	
Weight	9 Kg	18 Kg	

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