

Frey

CE 1434



Automated Perimeters

AP-600 & AP-600L

freymedical.eu

AP-600 & AP-600L Automated Perimeters

Reduce testing time, increase clinical insights with confidence.

Frey AP-600 & AP-600L Automated Perimeters are compact fully featured visual field analyzers that are simple to set up and use. Brilliant design combined with intuitive proprietary software offers expanded testing options to optimize your patient management with new TIA™ Standard, Fast and Superfast tests*.



Introducing TIA™ Superfast testing time

Modern and innovative platform provides clinicians with a full suite of bespoke visual field testing strategies and protocols which improves practice workflow and enhances patient comfort while reducing clinic waiting times.



Patient audio guide

Intuitive and easy to follow automated verbal instructions and commands are available at the preparation stage and during testing. Clinicians can option automated verbal instructions or chose to guide the patient personally.



Easy to setup, simple to operate

World class design, clinician and patient interface. Unparalleled ergonomic clinician interface delivers a faster and easier visual field testing experience than ever before!



Near Vision Test**

Refractive blur produces depression of the hill of vision. With embedded Near Vision Test clinicians can automatically verify patient's refractive correction.



17" Capacitive Touch Screen

Versatility and control at the hands of the clinician in selecting patient's name, editing patient data, commence testing and reviewing examination results with highly responsive 17" touch screen.



Position sensor

Forehead sensors continuously confirms optimal patient positioning. Clinicians are immediately notified of unexpected patient movement allowing the clinician to rapidly respond and reposition patient.



Optimized clinician workflow

Frey has successfully created an unparalleled level of integration between AP-600 & AP-600L Automated Perimeters hardware and software, resuting in streamlined, highly optimized user interface to improve clinician workflow.



Compact design

Slim silhouette saves space. Engineered to Perfection. Compact design is the flagship feature of the AP-600 & AP-600L Automated Perimeters.

* Thresholding Interactive Algorithm (TIA™) is a trademark of Frey Sp.J. Data on file.

** Near Vision Test (NVT) is available in AP-600 Automated Perimeter only.

Enhancing practice efficiency

AP-600 & AP-600L Automated Perimeters ergonomic design promotes maximum patient comfort and is simple to operate. Intuitive proprietary software is an ideal clinical solution for small and medium practices to larger multi-site clinics and teaching hospitals.

Clinician ease of use and comfort

Exam reports are easily generated and displayed on a high-quality 17" Capacitive Touch Screen allowing clinicians to interpret and diagnose on the device without need for printing. Precise multipoint capacitive touch screen improves clinician interface and workflow navigating exam options and entering patient information.

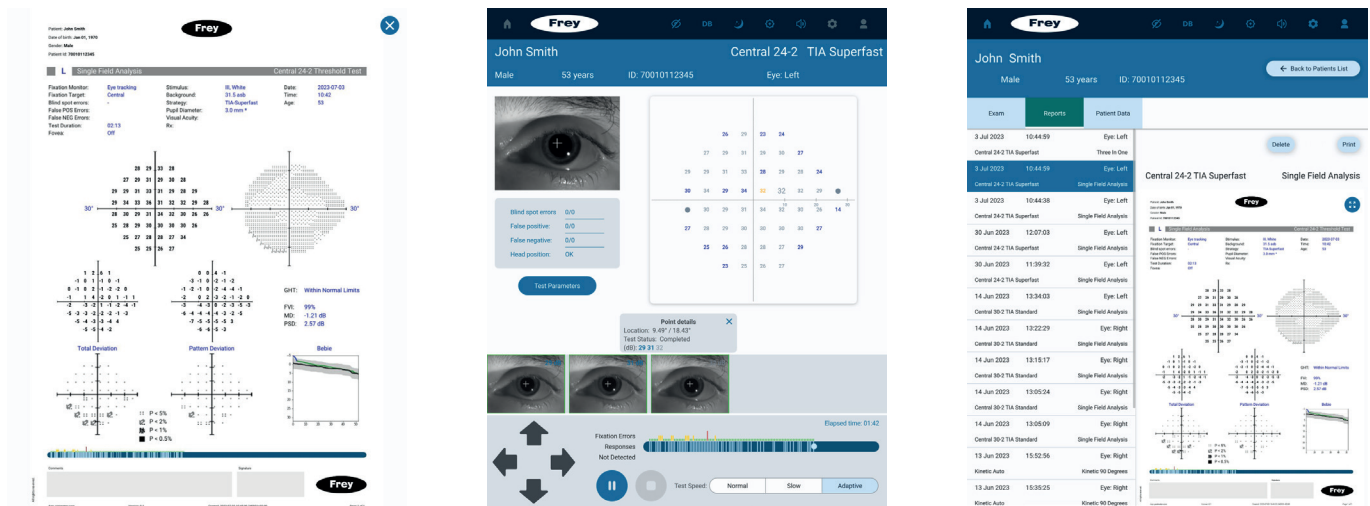
Advanced Eye Tracking for shorter exam time

Liquid lens auto focusing eye-tracking camera reliably produces focused image of the patient eye assuring precise gaze tracking. With each stimulus presentation, an eye image is captured. Multiple eye images, including recent one with indication about fixation level are visualized on the screen for continues gaze tracking. Stimuli locations that have been tested with inadequate fixation (automatically marked red) can be easily selected and subjected to retesting. The progress bar informs the clinician patient fixation level and response to the stimuli presentation through entire exam. Upon completion of the exam results can be reviewed and the history of patient fixation for each stimuli location can be easily verified to assure the clinician of exceptional reliability of exam data.

Near Vision Test - verify patient's refractive correction**

Accurate correction is important for precise visual field exams. A majority of patients aged 40+ do require correction lens for perimetry exam. When testing with a Goldman III stimulus, one diopter of refractive blur will produce around 1dB depression of the hill of vision.

During Near Vision test Snellen E optotype in different orientation and sizes is presented to the patient on measurement bowl surface. This provides the clinician with highly accurate and objective information about each patients' corrections. It is recommended that the patient should have visual acuity 0.8 or better.



AP-600 & AP-600L Technical Specifications



Device type	AP-600	AP-600L
Test Specifications		
Maximum temporal range (degrees)	90	
Stimulus duration	200 ms/ 500 ms or 0.1-9.9s	
Visual field testing distance	30 cm	
Background illumination	10 ASB White/ 31.5 ASB White/ 315 ASB Yellow	31.5 ASB White
Stimulus		
Stimulus size	Goldmann I - V	
Stimulus color	White/ Green/ Red/ Blue	White
Stimulus presentations	White-on-White/ Red-on-White/ Green-on-White Blue-on-White/ Blue-on-Yellow (SWAP)	White-on-White
Test Strategies - Threshold		
TIA-Superfast, TIA-Fast, TIA-Standard, Full Threshold, Fast Threshold, Foveal Threshold	•	•
TIA-SWAP	•	-
Test Strategies - Suprathreshold		
Two Zone, Three Zone, Quantify Defect		
Suprathreshold Test Modes		
Age Corrected, Threshold Related, Single Intensity		
Test Fields		
Threshold	Central 24-2, Central 24-2C, Central 10-2, Central 30-2, Peripheral 60-4, Macula, Nasal Step, Custom Static	
Suprathreshold	Central 40 Point, Central 64 Point, Central 76 Point, Central 80 Point, Armaly Central, Nasal step, Peripheral 60 Point, Full Field 81 Point, Full Field 120 Point, Full Field 135 Point, Full Field 246 Point, Armaly Full Field, Superior 36 Point, Superior 64 Point, Esterman Monocular, Esterman Binocular, Gandolfo, Custom Static	
Kinetic	Custom Kinetic test patterns, Auto Kinetic, Manual Kinetic (meridian, point to point, blind spot)	-
Fixation Control		
Heijl-Krakau blind spot monitor	•	•
Video camera eye preview	•	•
Digital Eye Tracking (DETECT)	•	•
Head Tracking	•	•
Vertex monitoring	•	•
Reports		
Single Field Analysis (SFA)	•	•
Glaucoma Hemifield Test (GHT)	•	•
Serial field overview	•	•
Progression Analysis	•	•
Software features		
Foveal threshold testing, Automatic pupil measurement, DICOM Export, DICOM OPV (Ophthalmic Visual Field), DICOM Worklist Modality, EyeSnap function		
Near Vision Test	•	-
Field of View Index (FVI)	•	•
Remote Diagnostics and Software Loading	•	•
User defined results storage location	•	•
Device Features		
Display	17" Capacitive Touch Screen - vertical layout	
Keyboard/ Mouse support	Yes	
Networking	LAN and Wireless	
Chinrest	Automated - up, down, left, right movement	
Speakers and microphone	Build-in	
Dimensions		
Height	576 mm	
Width	443 mm	
Depth	457 mm	
Weight	20.8 kg	20.6 kg

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