

Frey



Automated Perimeter

AP-600

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Frey

AP-600 Automated Perimeter

Reducing testing time - increasing reliability.

Modern AP-600 Visual Field Analyzer was created to support the examination workflow at every level. This minimalistic yet operative design comes with a number of advantageous functions - remarkably simple setup, smooth maintenance and wide range of tests. Proprietary software and user-friendly interface contribute to even faster testing and patients comfort during the examination.



Rapid testing time

Modern and innovative platform provides clinicians with a full suite of ITA Faster, Fast and Standard testing times which improves practice workflow and enhances patient comfort and lessens waiting times.



Patients audio guide

Instructions and commands appear during the preparation stage and as the examination takes place, accustoming the patient to the specificity of the test. Operator can either read or play instructions to the patient.



Easy setup

World class design, clinician and patient interface. Ergonomic user interface with patient audio guidance ensure rapid test times, with reduced clinician down time.



Refraction Test

Refraction test is a stage of preparing the patient for the examination. VAV is intended to make the examination even more credible and accurate.



17" HD Capacitive Touch Screen

17" High Definition capacitive touchscreen devices support multi-touch controls by the physician and allows for greater versatility in terms of control, making it the ideal choice for busy practices.



Forehead detection

A forehead sensor detects immediately abnormal head position during examination. The warning message helps the operator react and verify patient position to ensure reliable results.



Agile workflow

Streamline clinician workflow. AP-600 optical system with built in liquid lenses for faster and silent operation. Reduces set-up time and provides high quality test results.



Compact design

Slim silhouette saves space. Well thought-out design is the flagship feature of the AP-600 visual field analyzer.

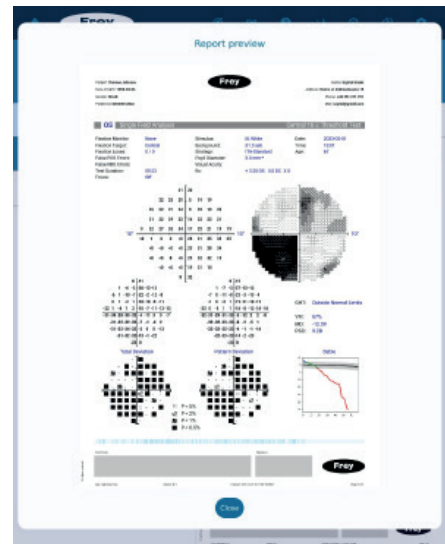
AP-600
Key features

Enhanced efficiency

Simple to use, intuitive and full of useful functions AP-600 automated perimeter is a perfect solution for an individual ophthalmology practice as well as for a multi-office clinic.

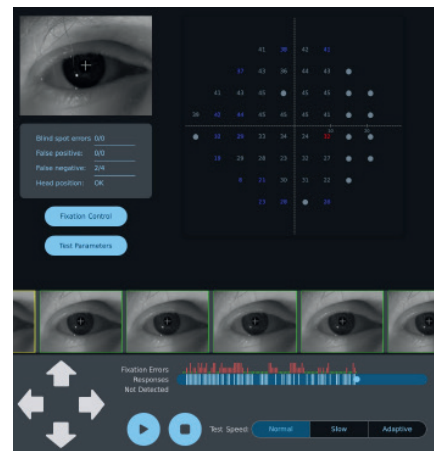
Capacity and reading comfort

All standard tests and examination result printouts are displayed on a high-quality 17" touch screen. Entering patient information and navigating through test options is effortless and user-friendly.



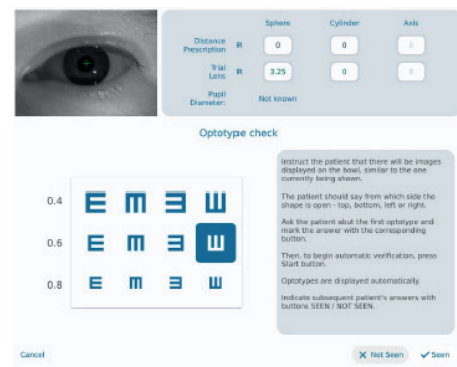
Advanced Eye Tracking for shorter examination time

- With each stimulus presentation eye image is captured and presented above progress bar.
- Operator can scroll back fixation history during examination of the patient.
- Eye image is stored and entire examination process can be reviewed during examination or later date to verify patient fixation during entire test.
- AI algorithm verifies patient fixation during the test and presents the information on progress bar.



Visual acuity verification test - designed to audit if correction lens is selected properly for the patient.

- Optotype (Snellen E) in different orientation and size are presented to the patient on measurement bowl surface.
- Patient should be able to recognize 0.8 stimulus size.
- Majority of patients age 40+ do require correction lens for perimetry examination.
- One dioptre of refractive blur will produce around 1dB depression of the hill of vision when testing with Goldman III stimulus.
- This simple test assures quality of visual field examination with AP-600.



AP-600 Technical Specification



| | | |
|--|--|---|
| Device type | AP-600 Automated Perimeter | |
| 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 | 31.5 ASB White/ 10 ASB White/ 315 ASB Yellow | |
| Stimulus | | |
| Stimulus size | Goldmann I II III IV V | |
| Stimulus color | White/ Green/ Red/ Blue | |
| Stimulus presentations | White-on-White/ Red-on-White/ Green-on-White Blue-on-White/ Blue-on-Yellow (SWAP) | |
| Test Strategies - Threshold | | Test Strategies - Suprathreshold |
| ITA-Faster, ITA-Fast, ITA-Standard, ITA-SWAP, Full Threshold, Fast Threshold, Foveal Threshold | | Two Zone, Three Zone, Quantify Defect |
| Test Modes | | |
| Age Corrected, Threshold Related, Single Intensity | | |
| Test Fields | | |
| Threshold | | Suprathreshold |
| Central 24-2, Central 24-2C, Central 10-2, Central 30-2, Peripheral 60-4, Macula, Nasal Step | | 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 |
| Fixation Control | | |
| Heijl-Krakau blind spot monitor | | |
| Video camera eye preview | | |
| Digital Eye Tracking (DETECT) | | |
| Head Tracking | | |
| Vertex monitoring | | |
| Software features | | |
| Foveal threshold testing | EyeSnap function | |
| Automatic pupil measurement | Near Vision Test | |
| Single Field Analysis (SFA) | Custom static test patterns | |
| Glaucoma Hemifield Test (GHT) | Auto kinetic | |
| Field of View Index (FVI) | Custom kinetic test patterns | |
| Serial field overview | Manual kinetic | |
| DICOM Export | Remote Diagnostics and Software Loading | |
| DICOM OPV (Ophthalmic Visual Field) | User defined results storage location | |
| IOD (Information Definition) | OPV IOD Advanced Indices | |
| DICOM Worklist Modality | Progression Analysis | |
| Device Features | | |
| Display | Touch-screen LCD 17 inch diagonal | |
| Keyboard/ Mouse support | Yes | |
| Networking | LAN and Wireless | |
| Chinrest | Automated - up, down, left, right movement | |
| Speakers and microphone | Build-in | |
| Dimensions | | |
| Height | 633 mm | |
| Width | 566 mm | |
| Depth | 396 mm | |
| Weight | 24 kg | |

FREY Spółka Jawna
 Wołodjowskiego 38
 05-502 Piaseczno
 POLAND
55-30055.01 AP-600

frey@freymedical.eu
 FB: @freymedical
 IG: @freymedical
 URL: <https://www.freymedical.eu>
 Brochure EN



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Via Napoleona 7 - 22100 COMO - Tel. 031.570869 - info@siroftalmica.com
WWW.SIROFTALMICA.COM