

AUTOMATED PERIMETER

KINETIC/STATIC PERIMETER AP-3000

- Kinetic and static testing
- Digital eye-tracking
- RGB bowl illumination
- Goldmann size stimuli
- Standardised driver test
- Electronic chin rest



SPECIFICATIONS



QUALITY IN DETAIL

> **Kinetic Goldman Projection Perimeter additional with Static LED-Technology / Blue On Yellow Test**

The AP-3000 integrates the LED background illumination and provides, using Goldman V fixation spot size, a standardised blue on yellow test routine. Kinetic test mode: Stimulus with adjustable size, intensity and speed is moving from periphery to the centre of measurement bowl.

> **Kinetic and Static Driving Test**

The integrated standard driving test can be modified according to every individual demands, in kinetic or static routine.

> **Customised Test Programs**

Beside the standard tests you have the possibility to define new customised examination programs or change the parameters for all individual needs. An unlimited number of customised test programs can be added.

> **Short Examination Time**

Due to the fact that the unit can take former testing protocols of the same patient into consideration, you can reduce the examination time tremendously. Already known defects will be screened and not necessarily checked through a complete testing routine again.

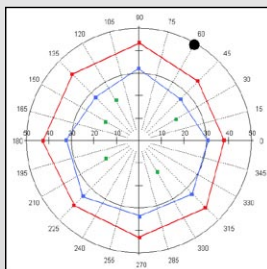
> **Modern Eye Tracking System**

The AP-3000 is equipped with a "state of the art" digital passive eye tracking system. It records only measurements taken under perfect fixation conditions. Of course, the fixation control with Heijl-Krakau method is also integrated.

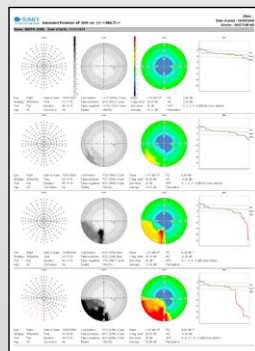
> **Electronic Chin Rest**

The AP-3000 is equipped with an electronic chin rest for exact patient positioning.

An unlimited number of test programs can be added



Kinetic test result is presented in form of isopter, each one in different colour.



TOMEY Perimeter printout

Measurement bowl

Radius 30 cm

Measurement range . . $\pm 50^\circ$

Fixation targets Central

- 2 fixation targets located at $\pm 30^\circ$ for driver tests (160° measurement range)
- 2 fixation diamonds (no central vision and fovea sensitivity)

Bowl illumination . . . LED illumination

- 31.5 Asb (10 cd/m^2) for white color
- 315 Asb (100 cd/m^2) for yellow color

Stimulus Goldman size I, II, III, IV, V

Colour white, blue, red, green

Maximum stimulus

brightness 10 000 Asb

LED light source Embedded stimulus intensity control system

Fixation monitoring . . Digital eye tracking with camera
Heijl-Krakau blind spot monitoring

Closed bowl with mechanical ventilation.

Chin Rest

Movement Electric two directions
Controlled from software or on front push buttons

Embedded PC

Operating System . . . Windows Embedded
2 GB Flash disk

Connectivity CRT, Ethernet, Audio,
3x USB

Test Modes

Static test mode Test strategies, test fields identical to AP-2000, AP-1000. All colours and sizes of stimulus are available for static tests.

Kinetic test mode Dedicated test strategy
Stimulus with fixed size, intensity and speed is moving from periphery to the centre of measurement bowl, test is repeated for different stimulus size and intensity which defines unique isopter.

TOMEY EUROPE
TOMEY GmbH
Am Weichselgarten 19a
91058 Erlangen
Germany

TOMEY ASIA-PACIFIC
TOMEY CORPORATION JAPAN
2-11-33 Noritakeshinmachi
Nishi-ku, Nagoya 451-0051
Japan

Phone (+49) - 9131 - 77710
Fax (+49) - 9131 - 777120
eMail: info@tomey.de

Phone (+81) - 52 - 581- 5327
Fax (+81) - 52 - 561- 4735
eMail: intl@tomey.co.jp

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