



Technology for Life Science

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Automatic Perimeter

Kowa AP-5000C



Two-in-One Perimeter for Static & Kinetic Perimetry

Easy operation with mouse
An abundant test program. Combinations with fundus image are also possible.
Test result display functions that are visually easy to understand, and versatile analysis functions.
The data is automatically stored in PC and coordination with other software is also easy.

Threshold Program

Examination to diagnose and plot the retinal sensitivity at specific test points.

Center 1

Central 30° / 76 points

Center 2

Central 30° / 54 points

For the progress of glaucoma, neurological impediments and post operative follow ups.

Macula 1

Central 5° / 21 points

Macula 2

Central 10° / 68 points

For macula and neurologic disorders.

Periphery

From 30° to 60° / 68points

For the late-stage glaucoma, or peripheral field examinations that can be combined with central threshold for full field examination.

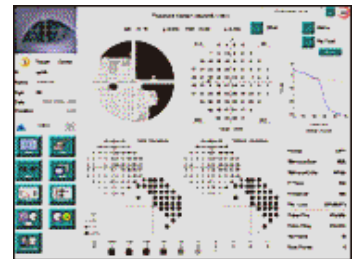
The above 5 programs are available on some "Quick" modes that obtains accurate test results in minimal time (can reduce the average time by 40%).

Meridian

Any of 10 meridians / 14 points

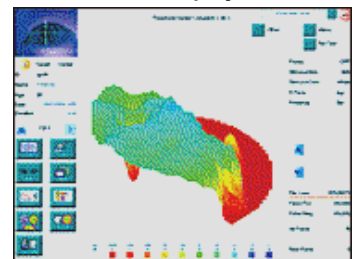
For even more detailed examination after the use of other screening programs.

Center 1 Program



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3D display



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Multi-group of composite and cooperation --

"Kowa"

興和紡績株式会社
興和様式会社
興和創業株式会社
興和新薬株式会社

Interpreting Analysis Results

1. Total Deviation*

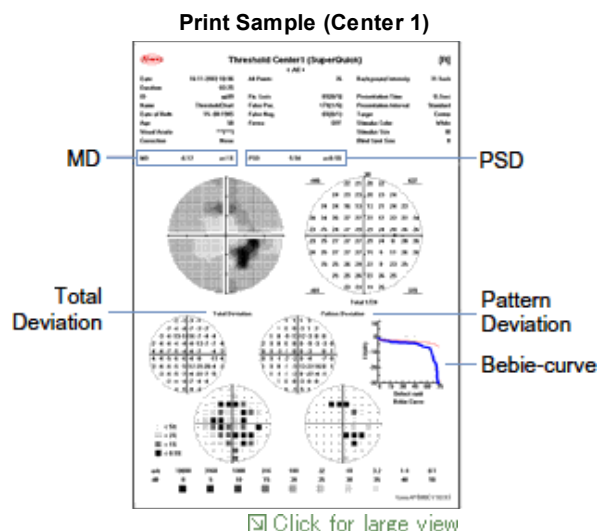
The total deviation indicates the differences between the measured threshold of each point and normal sensitivity curve of the patient's age. The black inverted points show deterioration in sensitivity.

2. Pattern Deviation*

The pattern deviation indicates the difference between the estimated normal visual field pattern and the threshold of each point.

3. MD (Mean Deviation)*

Mean value indicates the average value of the total deviation.



4. PSD (Pattern Standard Deviation)*

PSD is deviation of the measured sensitivity curve from the normal sensitive curve. This value will be larger if there is any deterioration of local sensitivity.

5. Bebie-curve

Bebie-curve is a curve that the values of total deviation are arranged in descending order.

* "Probability Value" is available.

Screening Program

The new program of using a probability value as the intensity step brings an effective examination in a shorter time. The result of the 4 zones goes beyond the screening examination. The examination of a threshold is also available that is added to a point deemed to be a scotoma.

Standard

General / 83 points

For patient's first visit, or for vision disorder. For glaucoma and hemianopsia.

Precision

General / 140 points

For glaucoma from its mid-stage to late-stage.

Center

Central 30° / 82 points

For glaucoma and central vision disorders.

Periphery

From 30° to periphery / 58 points

For the progress of mid-stage glaucoma.

Glaucoma

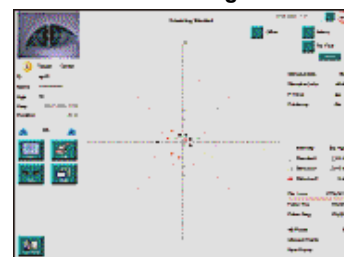
Bjerrum area/ 117 points including nasal step

For early to late-stage glaucoma.

V. Meridian

Vertical direction / 53 points

Standard Program



For hemianopsia.

The "Quick" mode, which the tests points are reduced for shortening the examination time, is also selectable for the above 6 programs.

Center #1 and Center #2 programs

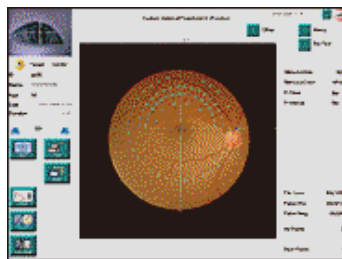
Conducting an examination with the intensity of a probability value (p-value) in the same examination arrangements as those for the Center # 1 and the Center # 2 of the threshold programs allows you to obtain an evaluation equivalent to the total deviation of the threshold in a short period of time.

Center #1 Program



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Perimetry on Fundus image !!



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While observing the ocular fundus image displayed on the screen, you can define test points according to the area you wish to measure more in details and obtain the visual sensitivity on specific areas.

Isopter Program

A kinetic perimetry is equipped as standard specification.

Isopter+Threshold



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Chronological Change Indication

In Threshold-Center 1, Center 2, Macula 1, Macula 2, and Isopter + Threshold examination, Available to grasp the change with time in more detail.

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