

Smart-Perimetry Automated Perimeter "IMOvifa™"

Feature Make visual field tests more comfort!

Original Test pattern

CREWT Medical Systems, Inc. proudly introducing the sophisticated newly developed Automated Perimeter, IMOvifa[™]. Our patented technology, Binocular Random test enables patients comfort, ease of use and speedy accurate visual field testing that with reliable result.

<Both eyes open, No require an eye patch for Occlusion>

"IMOvifa[™]" allows random single eye test "with both eyes open". Since this random test with both eyes open does not require covering one eye, a subject no longer feels discomfort when undergoing a test with a patch covering one eye, and stability for the tested eye is achieved from the binocular fixation.



<No require Dark-room>

"IMOvifaTM" is portable. It does not require a dark room that conventional SAP needs, allowing the test to be performed in "every" room. Certainly, the test could be performed away from the clinic.



<Original Threshold test library : 24plus>

In addition to 30-2 and 24-2 test patterns commonly used for conventional SAP, "IMOvifa[™]" is equipped with the world-first 24plus test pattern which increases the density of central test points. 24plus is the original pattern with increased density of test points in the macular region by adding a part of 10-2 test points that is the central test pattern based on 24-2 test points. It is also equipped with 24plus (1) pattern with 36 points extracted from points where glaucoma is commonly found within the 24plus pattern. 24plus (1) allows to complete the test even faster (90 seconds for one normal eye) and is the optimum test pattern for screening.





Peripheral range (distance)	30°(1m)
Stimulus intensity	0 ~ 10000 [asb]
Backgraound illumination	31.4 [asb]
Stimulus size	Goldmann I,II,III,IV,V(or optional varius size)
Stimulus duration	200 [ms]
Stimulus generation	Projection on LCD
Test methods	Standard white-onwhite perimetry, SAP
Threshold test library	30-2, 24-2, 10-2
	24plus(1-2), 24plus(1)
Threshold test strategies	AIZE, AIZE-Rapid, Full-threshold
	AIZE EX, AIZE-Rapid EX
Fixation control	Heijl-Krakau blind spot monitor
	Gaze tracking, Video eye monitor
Correction range	Spherical power
	-3 ~ +3 [D]
	-15 \sim +9 [D](with attachment lens)
	*Attachment lens (+6.0, -3.0, -6.0, -9.0, -12.0 [D])
	Astigmatic power with attachment lens (-1.0, -1.5, -2.0, -2.5, -3.0[D])
Pupillary distance	52 - 78 [mm]
Measures(WxDxH)	200 x 120 x 180 [mm]
Weight	0.85 [kg]
Optical system of visual target presentation	Wavelength 420 ~ 700 [nm]
	Display Color 2560 x 1440 Transmissive type LCD
Monitoring of fixation	Wavelength 950 [nm]
	Monocrome (640 x 480) 1/4inch COMS sensor
External observation camera	Color (640 x 480) 1/4inch COMS sensor
Networking	Ethernet



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