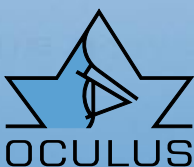
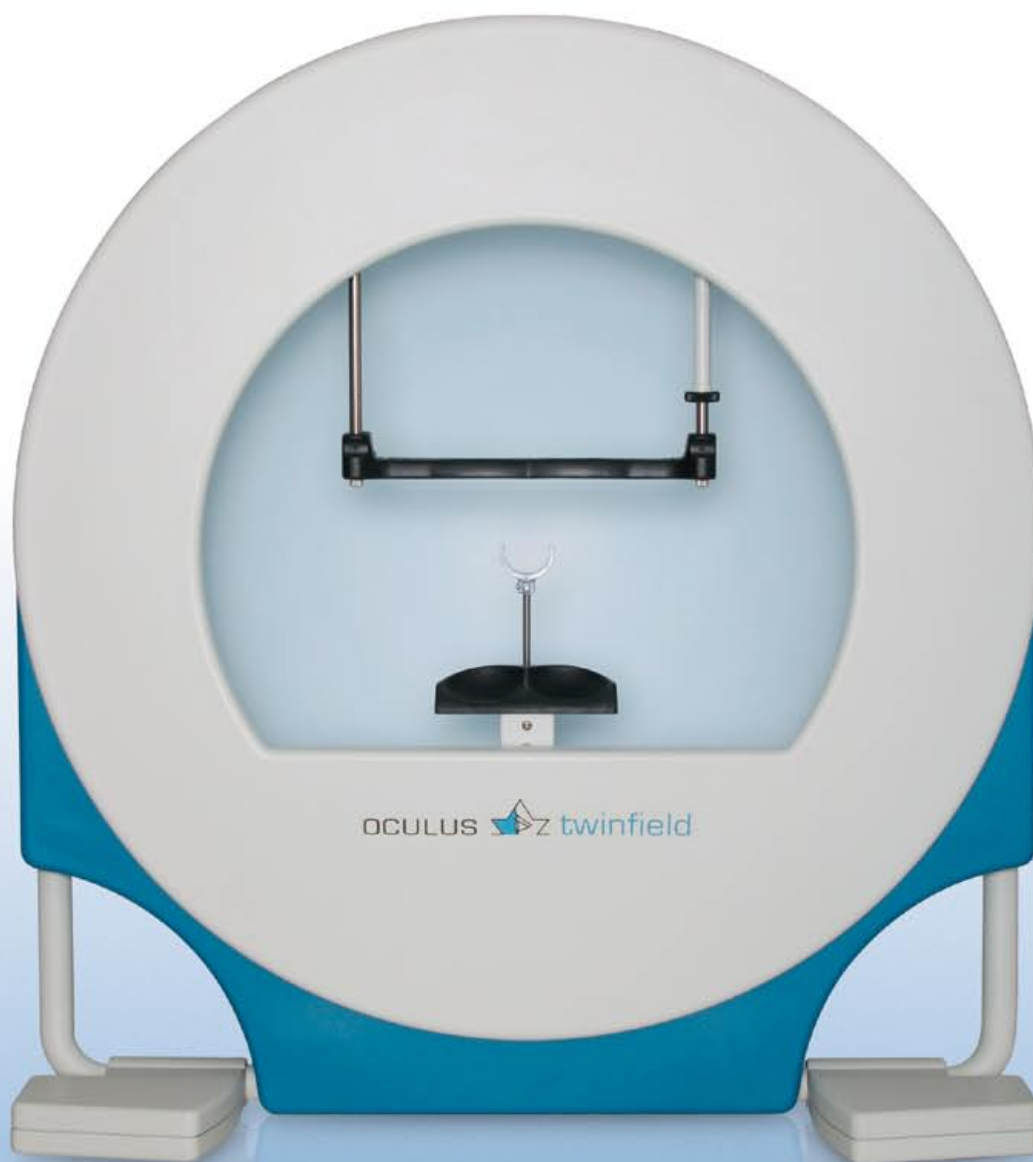




OCULUS TWINFIELD 2



We focus on progress

OCULUS TWINFIELD 2

A new dimension in visual field measurement

All Measurement Principles in a Single Device

Static Perimetry

Static perimetry with classic or fast threshold measurement and supra threshold examination, using pre-programmed and customer-specific test point grids.

Kinetic Perimetry

Automatic or manual kinetic examinations for fast additional information and confirmation of diagnosis.

Static & Kinetic

The combination of static and kinetic strategies in one program allows rapid full field screening.

Color Perimetry

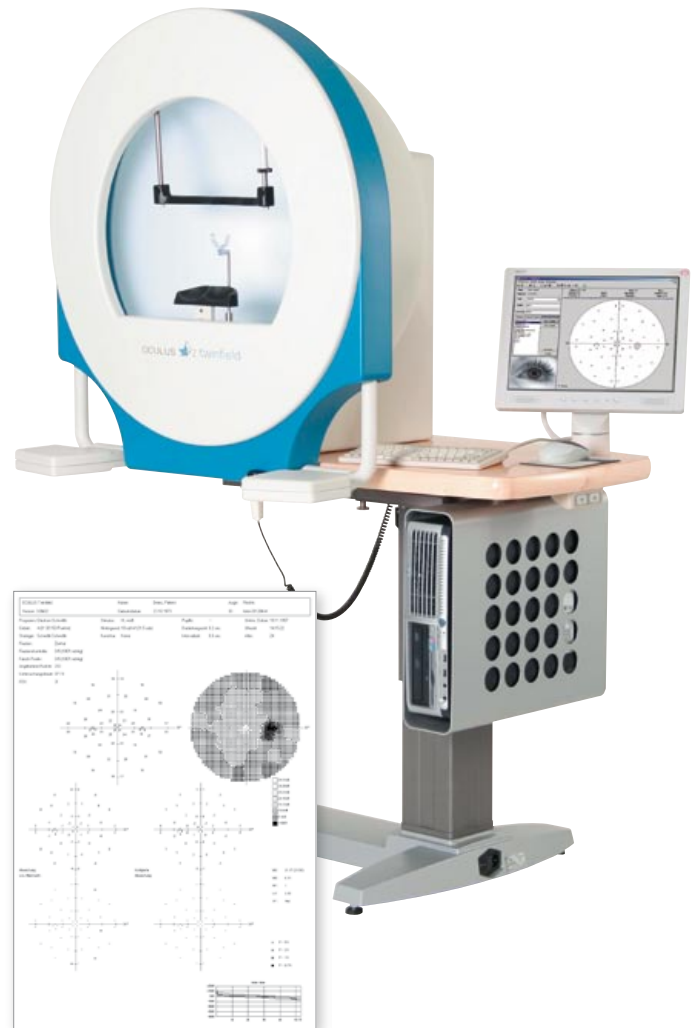
Red or blue stimuli can be presented either statically or kinetically on a white or yellow background.

Goldmann Standard

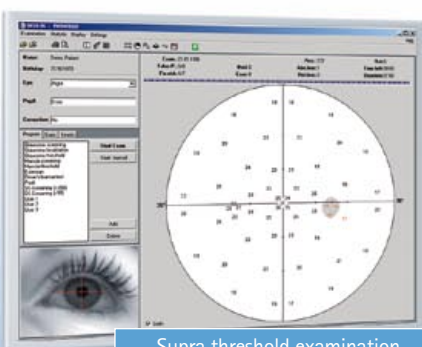
Flexible stimulus characteristics (*size, luminance, free manual positioning and movement*) also permit official certification examinations according to the Goldmann Standard.

CLIP

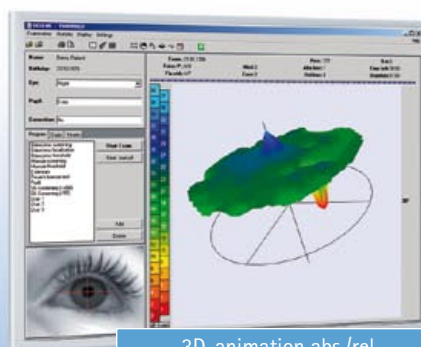
Continuous Light Increment Perimetry: This unique strategy unifies REAL threshold testing with the speed of a screener.



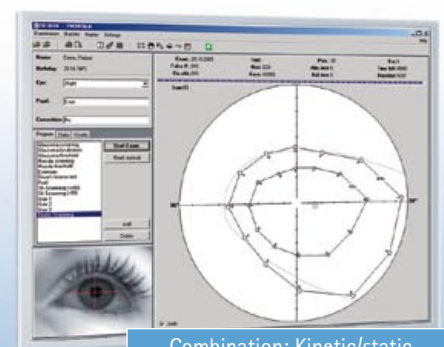
→ db-values (abs./rel.)/
Greyscale, Defect curve



Supra threshold examination



3D-animation abs./rel.



Combination: Kinetic/static

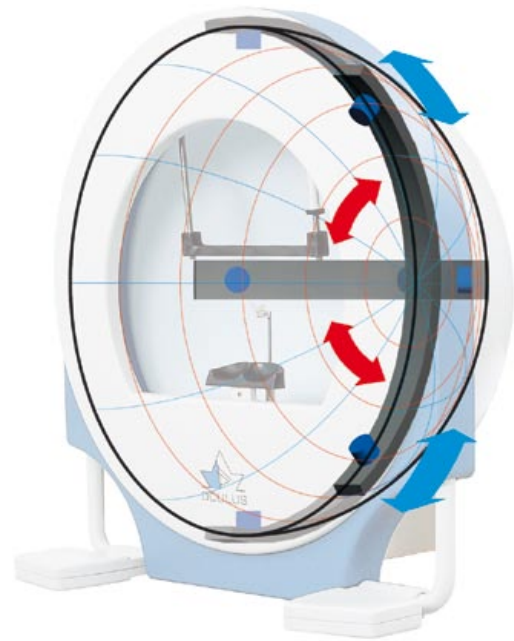
Technical Highlights

Unique Type of Projection System

The new system opens up many new possibilities for you, e.g. kinetic perimetry (*automatic and manual*). Service and maintenance are simplified by the modular design – no test point lamp change is required. Exact projection of stimuli, precise reproducibility of the test point location and full 85° excentricity in every meridian are further benefits.

Easy-to-use PC

The Twinfield is controlled from a desktop computer or laptop by a clearly organized menu system. The software consists of a patient database and a device control program. Perimetry results can then be transferred to all PCs which have the perimetry program and are installed in the network.



Universal, Fast, Compact

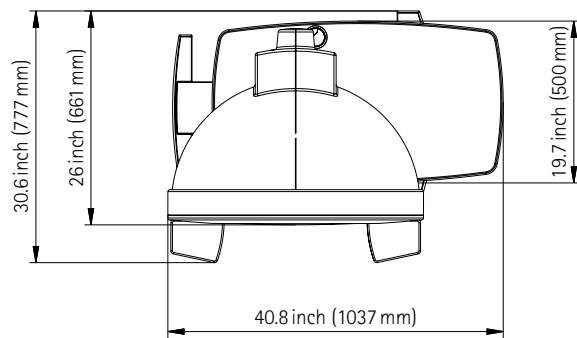
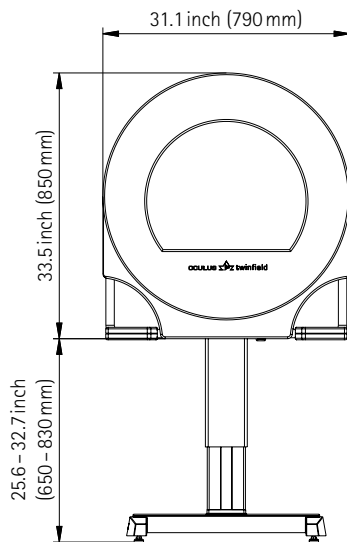
This perimeter is optimized for the daily use in clinical routine and medical practices with screening and threshold examinations, a follow-up program and analysis of static results.



Technical Data – TWINFIELD 2

Radius of the perimeter bowl	r = 30 cm
Test point parameter	Correspond to the Goldmann-Standard
Stimulus size	I/III/V
Stimulus luminance range	0.1–318 cd/m ² (1000 apostilbs)
Stimulus luminance increments	0.1 log steps
Test point display duration	0.2 s/0.5 s/0.8 s/user-defined
Stimulus interval	0.6 s/0.9 s/user-defined
Test point colors	White, red, blue
Field size	90°
Background brightness	10 cd/m ² (31.5 apostilbs)
Fix-Control	CCD camera, central threshold, Heijl-Krakau
Patient positioning	Motorized chin rest, headrest adjustable up-down, back-to-front. Ergonomic arm rest
Weight	93 pounds/ 42 kg (without table)
Electrical operating voltage	100–240V
Static Perimetry	Classical (4-2) threshold, fast threshold adapted to surroundings, Threshold-oriented (<i>supraliminal</i>) class strategy, CLIP Minimum 14 areas/test point grids As many freely selectable individual test points in the 30°/full field range as desired
Kinetic Perimetry	Automatic: Isopters on freely selectable meridians, sectors and speeds Manual: Stimulus freely movable with the mouse, semi-automated scotoma boundaries mapping
Interfaces	USB

CE According to Medical Device Directive 93/42/EEC



WWW.OCULUS.DE



Oculus is certified by TÜV according to
DIN ISO 13485:2003/DIN EN ISO 9001:2000

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