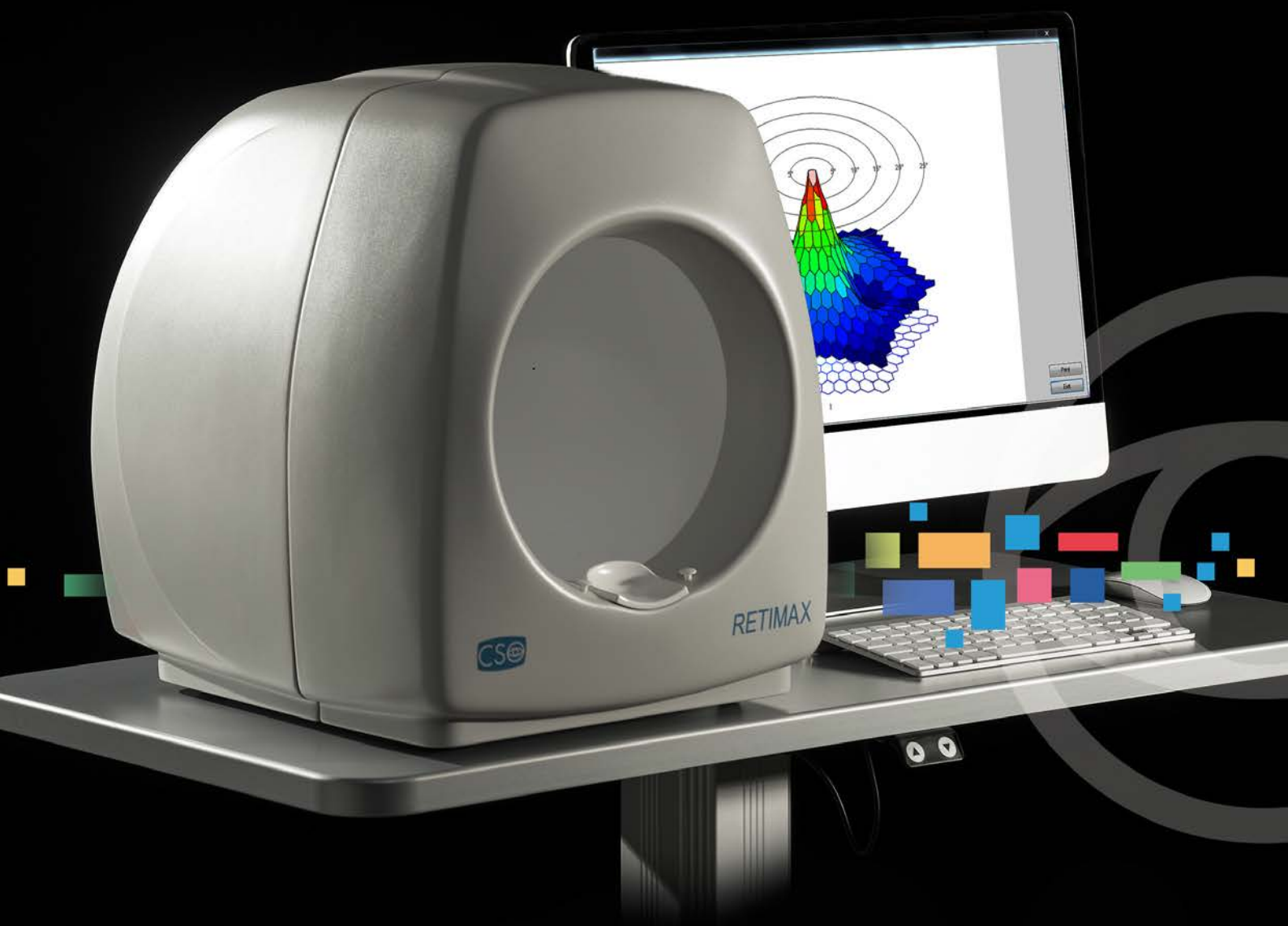


# Retimax

BASIC | ADVANCED | ADVANCED PLUS



OCULAR ELECTROPHYSIOLOGY SYSTEM

EN



# Retimax

## BASIC

Allows the objective functional evaluation of the visual system, in accordance with the ISCEV standard (International Society for Clinical Electrophysiology of Vision). It has a user-defined normative database related to patient age for fast and effective clinical diagnostics.

Retimax is very compact and extremely easy to use, designed to meet the eye care professionals' needs for screening patients. The device stands out for its ability to screen glaucomatous pathology in its earliest stages.

Ganzfeld Flash Stimulator with camera for monitoring the patient in dark adaptation



PERG Standard  
PERG Glaucoma Hemifield Test  
PERGLA  
VEP Pattern  
VEP Flash  
Dark – adapted 0.01 ERG  
Dark – adapted 3.0 ERG  
Dark – adapted 10.0 ERG  
Dark – adapted 30.0 ERG  
Dark – adapted 3.0 OP ERG  
Light – adapted 3.0 ERG  
Light – adapted 3.0 flicker ERG  
EOG  
Vision Trainer Rehabilitation  
Additional programs available as an option

10" Pattern stimulator integrated into the Ganzfeld stimulator



# Retimax

ADVANCED

Allows the objective functional evaluation of the visual system, in accordance with the ISCEV standard (International Society for Clinical Electrophysiology of Vision). It has a user-defined normative database related to patient age for fast and effective clinical diagnostics

Retimax Advanced is extremely easy to use, it has many programs to meet the diagnostic needs of the most demanding user. The device stands out for its ability to screen glaucomatous pathology in its earliest stages.

Ganzfeld Flash Stimulator with camera for monitoring the patient in dark adaptation



PERG Standard ISCEV  
 PERG Glaucoma Hemifield Test  
 PERG ratio  
 PERGLA  
 SDPERG  
 Dark – adapted 0.01 ERG  
 Dark – adapted 3.0 ERG  
 Dark – adapted 10.0 ERG  
 Dark – adapted 30.0 ERG  
 Dark – adapted 3.0 OP ERG  
 Light – adapted 3.0 ERG  
 Light – adapted 3.0 Ficker ERG  
 Light – adapted 10.0 ERG  
 VEP Pattern  
 VEP Flash  
 EOG  
 Vision Trainer Rehabilitation  
 Additional programs available as an option



19" Pattern stimulator

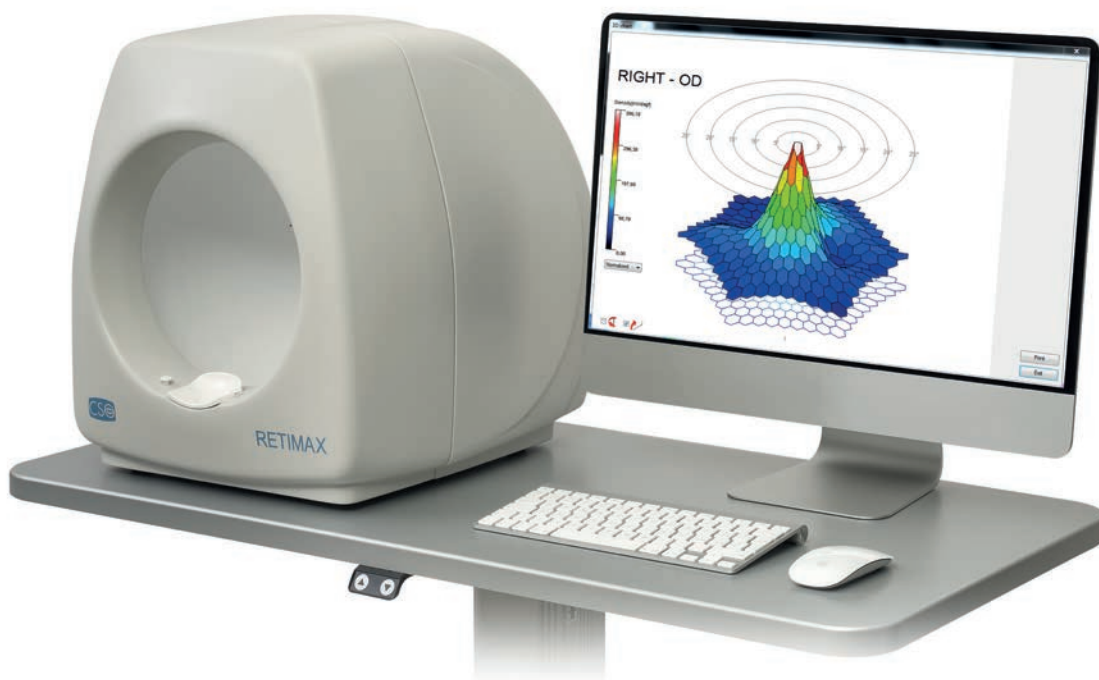
# Retimax

## ADVANCED PLUS

Allows the objective functional evaluation of the visual system, in accordance with the SCEV standard (International Society for Clinical Electrophysiology of Vision). It has a user-defined normative database related to patient age for fast and effective clinical diagnostics.

Retimax Advanced Plus is extremely easy to use, it has multiple programs to meet the diagnostic needs of the most demanding user. The high functional characteristics make it a leader in clinical diagnostics as well as in scientific research. The device stands out for its ability to screen glaucomatous pathology in its earliest stages.

Ganzfeld Flash Stimulator with camera for monitoring the patient in dark adaptation

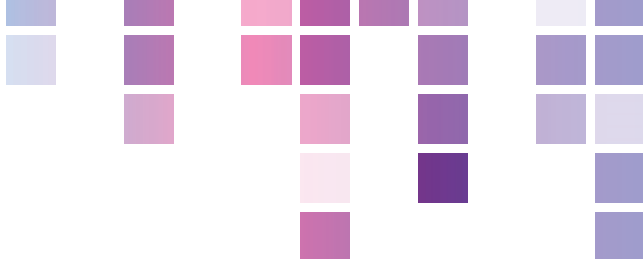


PERG Standard ISCEV  
 PERG Glaucoma Hemifield Test  
 PERG ratio  
 PERGLA  
 SDPERG  
 Dark - adapted 0.01 ERG  
 Dark - adapted 3.0 ERG  
 Dark - adapted 10.0 ERG  
 Dark - adapted 30.0 ERG  
 Dark - adapted 3.0 OP ERG  
 Light - adapted 3.0 ERG  
 Light - adapted 3.0  
 30Hz flicker ERG  
 Light - adapted 10.0 ERG  
 Light - adapted 30.0 ERG  
 RDT macular degeneration test  
 PhNR ERG  
 S-Cone ERG  
 ML-cone ERG  
 ON/OFF ERG  
 Double flash ERG  
 VEP Pattern  
 VEP Flash  
 Pediatric VEP  
 Sweep VEP

Visual Acuity and Contrast Sensitivity  
 VEP  
 VEP for uncooperative patient  
 Multifocal ERG  
 Multifocal PERG (optional)  
 Multifocal VEP (optional)  
 Real time short or long m-sequence.  
 FOK and SOK from 1 to 241 hexagon.  
 Automatic visual field adjustment.  
 Retimax MfERG Fundus oculi Overlap (optional)  
 EOG  
 ENG (optional)  
 Dark Adaptometer (optional)  
 Vision Trainer Rehabilitation  
 Additional programs available as an option

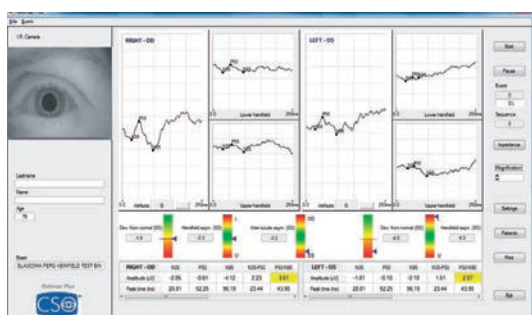


Pattern Stimulator OLED 55" with automatic visual field adjustment.



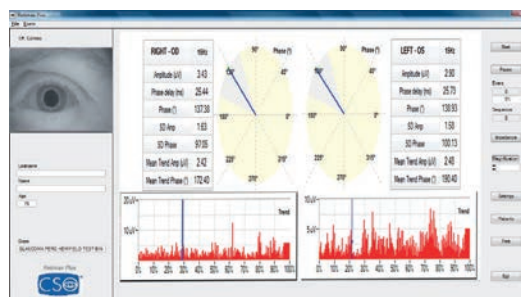
## GLAUCOMA HEMIFIELD PERG TEST

It is the most common and reliable test for the early diagnosis of Glaucoma. It is extremely useful for the functional analysis of Retinal Ganglion cells. It is fundamental for monitoring glaucomatous disease during therapeutic treatment. The Glaucoma Hemifield PERG Test shows the dysfunctions of the Retinal Ganglion cells before the irreversible apoptosis process starts. The test is very fast and provides a comparative analysis of the functionality of the upper and lower retinal hemifields. The analysis of the intraindividual variability of the PERG test allows the reduction of the results variability because the test is not affected by external variability sources.



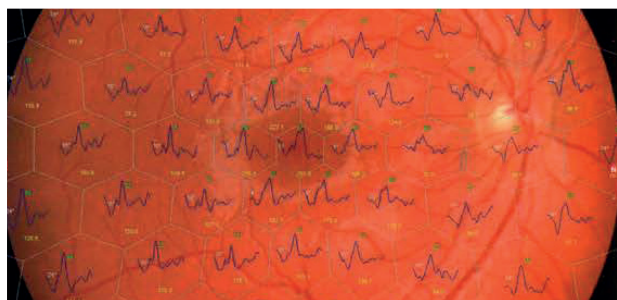
## VISION TRAINER VISUAL REHABILITATION

VISION TRAINER aims to optimize and normalize the visual performance of patients affected by ocular and neuro-ophthalmic diseases. The biofeedback of the VEP, acquired in real time, is used to instruct the patient while visual exercises, to improve visual performances.



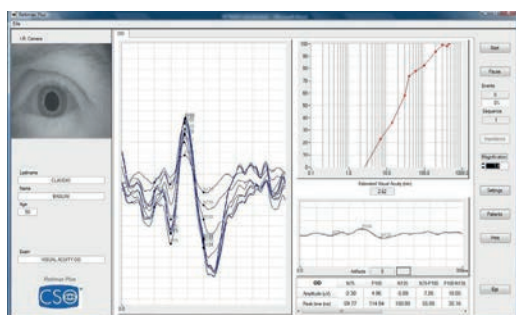
## RETIMAX PLUS FUNDUS OVERLAP (optional)

Adds very advanced functional features to the Multifocal ERG technique, the combination of the Multifocal exam with the photographic image of the fundus. This new functional feature provides an accurate follow-up of the progression of macula and surrounding areas diseases, with specific indications of every analysed retinal area.



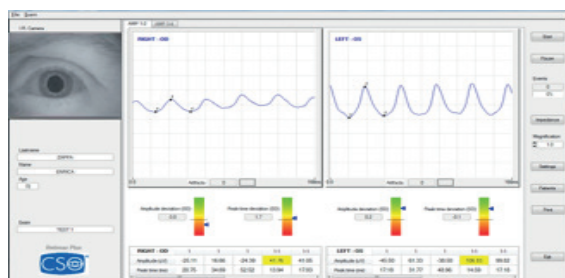
## RETIMAX SWEEP VEP AND SEQUENCES

It provides a random sequence of visual stimuli at different contrast levels, or different spatial frequencies, which can assess contrast sensitivity or visual acuity, very quickly and objectively even in uncooperative patients.



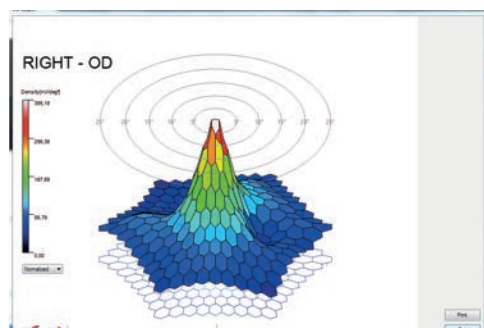
## AMD TEST

Macular degeneration (AMD) is one of the most common causes of legal blindness in patients over 60. AMD Test shows the dysfunctions of the retinal photoreceptors in order to provide information useful for the planning of treatment and the follow-up of the disease.



## MULTIFOCAL ERG, PERG, VEP, REAL TIME

Short or long m-sequence. FOK and SOK from 1 to 241 hexagons. Automatic adjustment of the stimulated visual field.





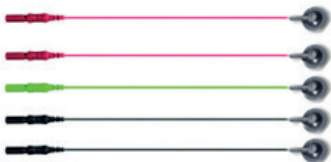
# Accessories

BASIC | ADVANCED | ADVANCED PLUS



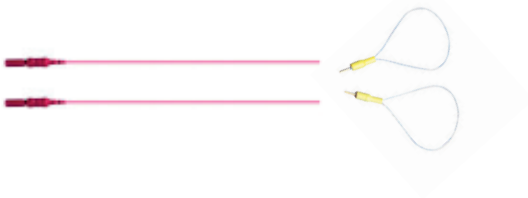
DISPOSABLE ELECTRODE  
15x20mm adhesive, with cable  
100cm Package 120 pieces

Code 10.60.01.370



SILVER CUP SKIN ELECTRODE  
Cup electrode in Ag-Ag/CL for  
cutaneous application, cm. 100  
Package 5 pieces

Code 10.60.01.321



HK LOOP  
Conjunctival fornix electrode for  
ERG and PERG examinations. Stable  
and very comfortable. It can be re-  
used several times after sterilization.  
Package 20 pieces

Code 10.60.01.310



ERG JET  
Corneal contact electrodes for  
ERG and MFERG examinations.  
Disposable in sterile package  
Package 50 pieces

Code 10.60.01.315



TEN 20  
Special adhesive paste, electrically  
conductive, for skin contact  
electrodes in AG-AG/CL. Water  
soluble 114 gr.  
Package 3 pieces

Code 10.60.01.362



NUPREP  
Abrasive cream for cleaning the skin  
Water soluble 114 g bottle. Package  
3 pieces.

Codice 10.60.01.363



CHINREST PAPER  
Disposable wipes for chin pack 100  
pieces each.

Code 40.14.010



RETIMAX MINIGANZFELD  
it is a portable device, extremely  
useful for ERG and VEP tests in  
pediatric patients. It includes an in-  
frared camera and a display which  
allow to monitor the patient even in  
the dark environment.

Code : 10.60.03.600

ACQUISITION

- 16 bit A/D converter
- 2 channels standard amplifier, up to 6 channels (optional)
- Real-time rejection of artifacts due to eye movements
- M-Sequence Computation in real time (patented)
- Automatic measurement of electrodes impedance

STIMULATORS

- RETIMAX MINIGANZFELD flash fino a 30Cd/m²·S, Background light fino a 600 Cd/m² (conform to ISCEV, International Society for Visual Electrophysiology of Vision), monocular or binocular, white light, Red Light 625nm, Blue Light 470nm, Yellow Light 600nm, Green Light 525nm.
- Available additional colours stimuli as an option
- Video camera for the monitoring of the patient

EOG fixation spots 30 and 45 degrees

Pattern Stimulator 10/19/21/32/42/55 Inches, high luminance, LCD, OLED, resolution 1280x1024.  
Automatic calibration. Visual field adjustable up to 90 degrees

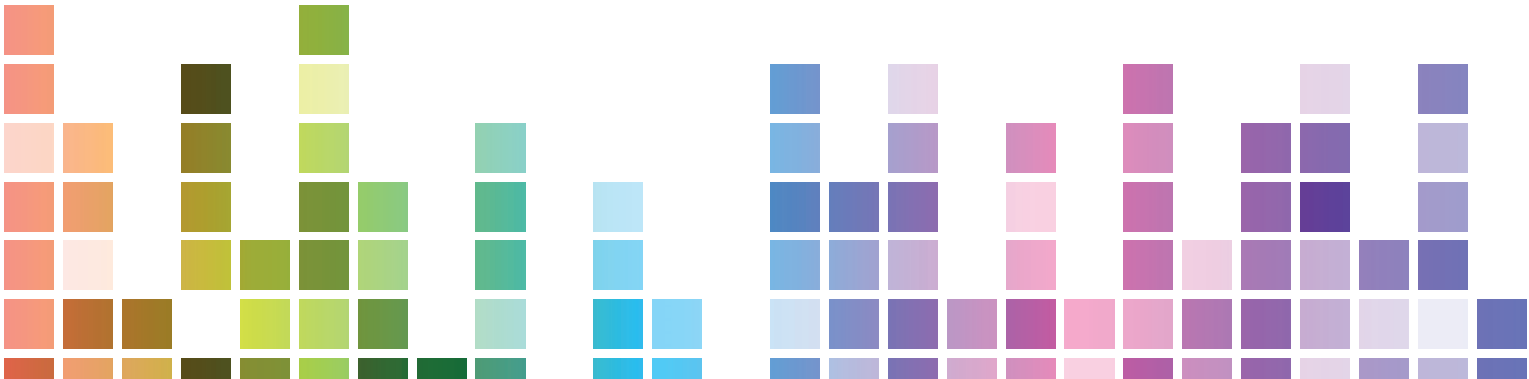
ANALYSIS

- User-defined normative database related to patient age
- Statistical analysis
- Data export in ASCII, txt, .CSV format
- Compatibility with standard, DICOM v3 (IHE integration profile EYECARE Workflow)

PC MINIMUM SYSTEM REQUIREMENT

4 GB RAM - Video card 1 GB RAM (not shared) resolution 1280 x 960 pixels - USB 2.0 type  
Operating system: Windows XP, Windows 7 and Windons 10 (32/64 bit).

*\*Retimax is covered by patents. The specifications and the images are not contractually binding and can be modified without notice.  
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