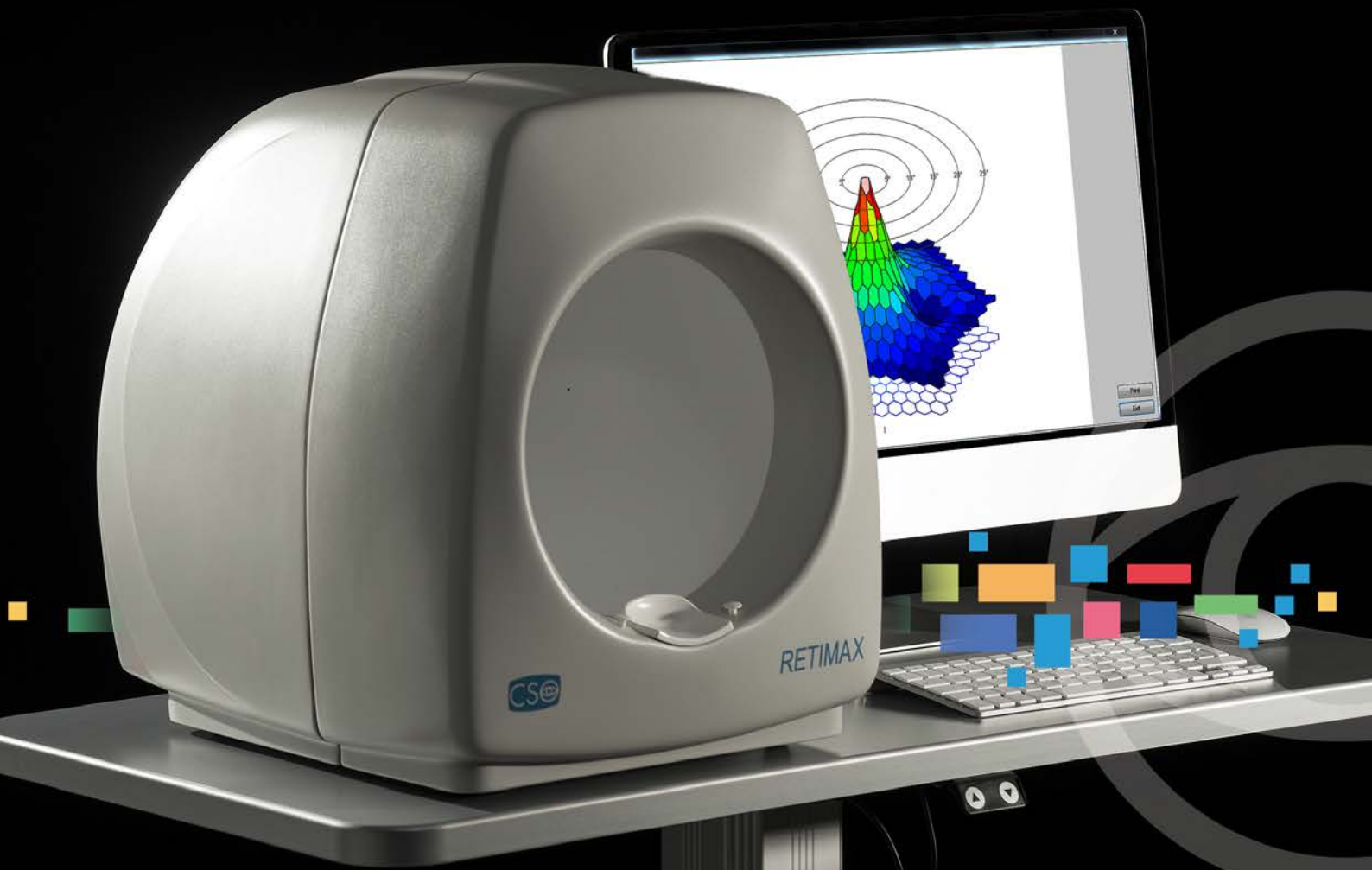


Retimax

BASIC | ADVANCED | ADVANCED PLUS



OCULAR ELECTROPHYSIOLOGY SYSTEM

EN

CS 

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

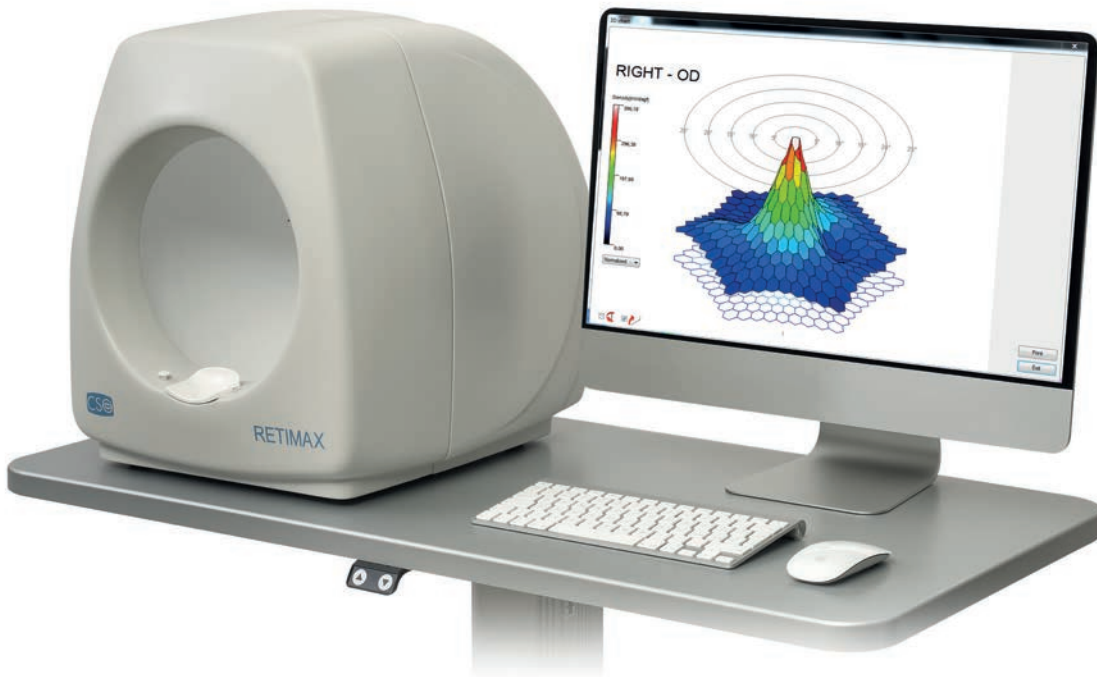
Retimax

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

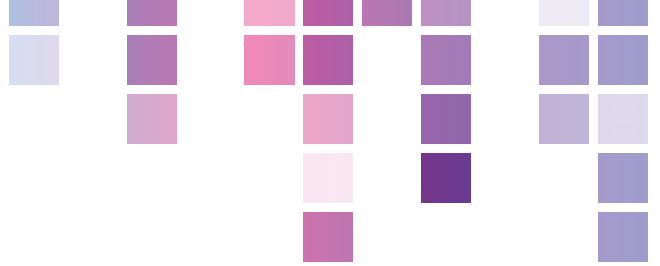


PERG Standard ISCEV
 PERG Glaucoma Hemifield Test
 PERG ratio
 PERGLA
 SDPERG
 Dark - adapted 0.01 ERG
 Dark - adapted 3.0 ERG
 Dark - adapted 10.0 ERG
 Dark - adapted 30.0 ERG
 Dark - adapted 3.0 OP ERG
 Light - adapted 3.0 ERG
 Light - adapted 3.0
 30Hz flicker ERG
 Light - adapted 10.0 ERG
 Light - 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

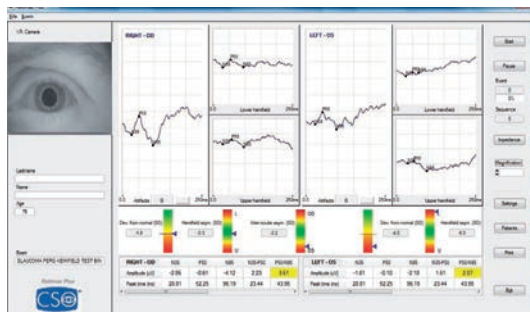


Pattern Stimulator OLED 55" with automatic visual field adjustment.



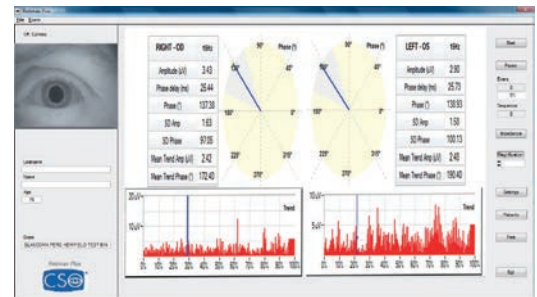
GLAUCOMA HEMIFIELD PERG TEST

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 or 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.



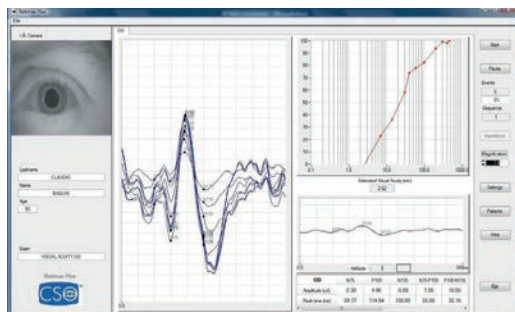
RETIMAX PLUS FUNDUS OVERLAP (optional)

Adds very advanced functional features to the Multifocal ERG technique, the combination of the Multifocal ERG 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.



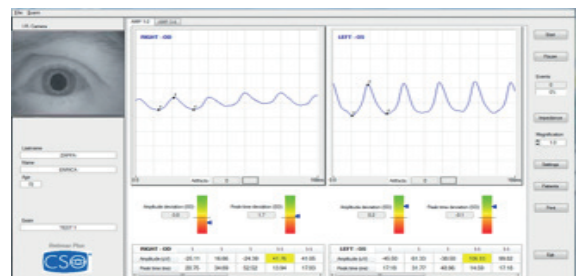
RETIMAX SWEEP VEP AND SEQUENCES

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.



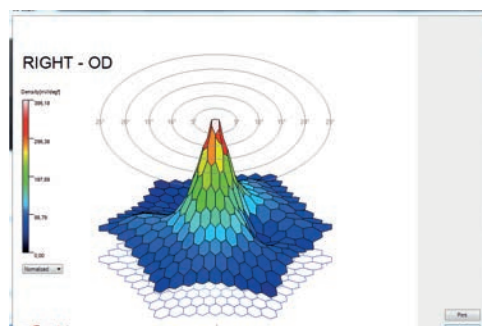
AMD TEST

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.



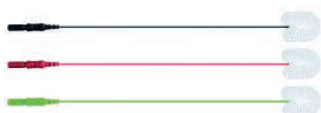
MULTIFOCAL ERG, PERG, VEP, REAL TIME

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



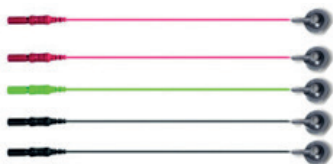
Accessories

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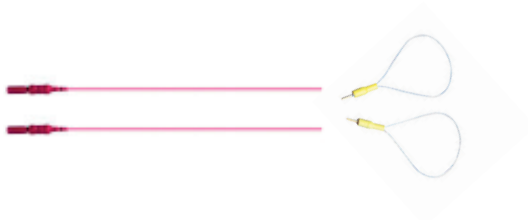
DISPOSABLE ELECTRODE
15x20mm adhesive, with cable
100cm Package 120 pieces

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

Retimax

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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

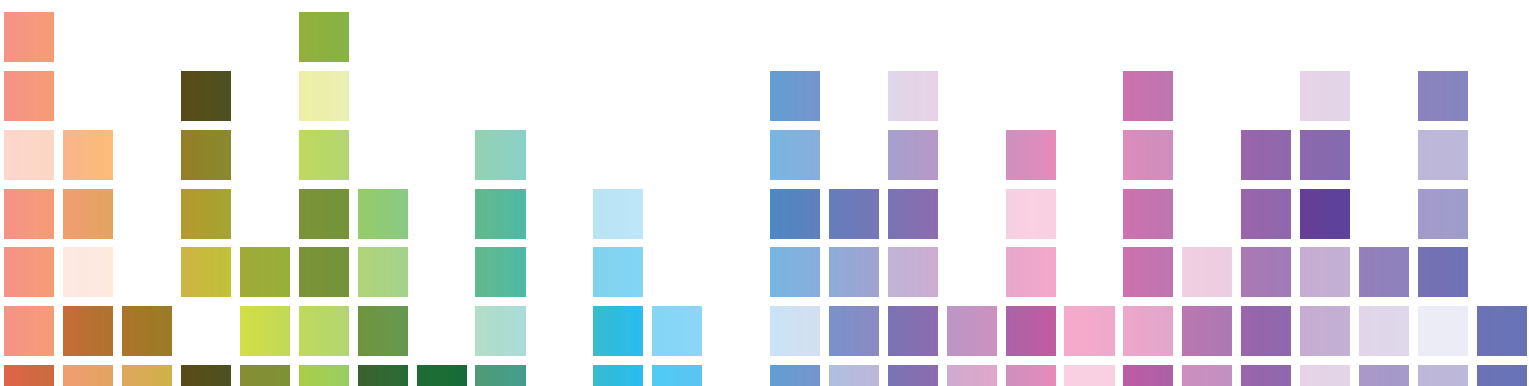
User-defined normative database related to patient age
Statistical analysis
Data export in ASCII, txt, .CSV format
Compatibility with standard, DICOM v3 (IHE integration profile EYECARE Workflow)

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 Windows 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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