

High-End Dry-Eye Topographer

Antares+

A precise, fully featured multi-functional corneal topographer



Antares+

A precise, fully featured multi-functional corneal topographer



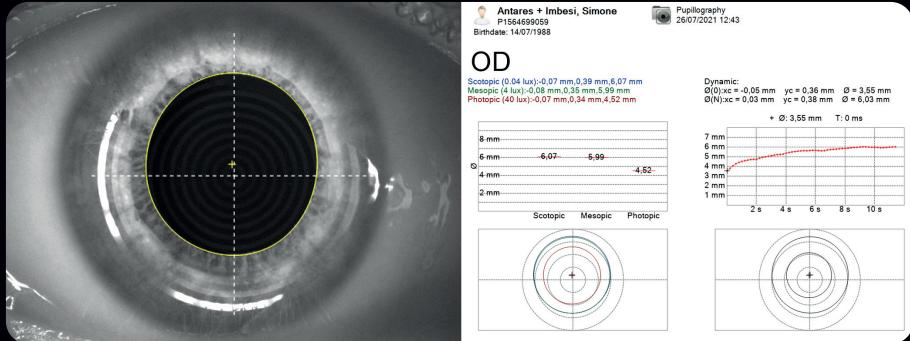
Antares+ focusing system

Corneal Topographer

Antares+ is a fully featured multi-functional corneal topographer. Antares+ has dedicated software designed to help in the detection and analysis of Dry Eye.

The topography function provides information about the curvature, elevation and refractive power of the cornea. It also provides many information to aid in the diagnosis and monitoring of the corneal surface.

The new focusing system of the Antares+ simplifies and speeds up image acquisition. It also improves the reproducibility and reliability of measurements.

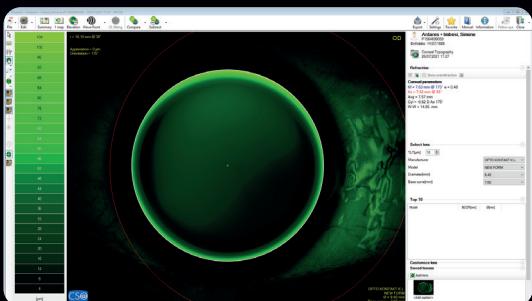
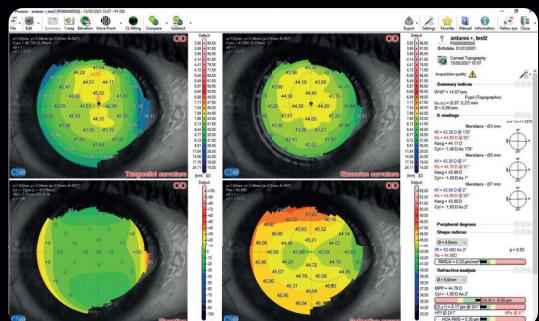


Advanced Pupillometry

Antares+ has built-in pupillometry measurement software. The measurement of the pupil in scotopic (0.04 lux), mesopic (4 lux), photopic (40 lux) conditions and in dynamic modality is fast and simple. Knowing the center and the diameter of the pupil, is essential for many clinical procedures which seek to optimize vision quality.

Keratoconus Screening

Keratoconus screening software provides the clinician with important information about the patients cornea. Understanding this can help prevent complications associated with ectasia before corneal surgery is undertaken.

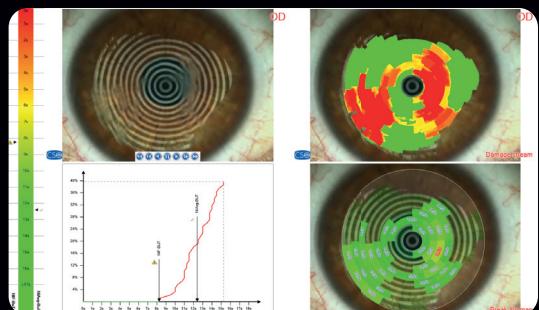


Contact Lens Application Module

A contact lens fitting module is available, which simulates the fit of rigid contact lenses based on an internal database of many lens manufacturers.

Advanced Analysis of the Tear Film

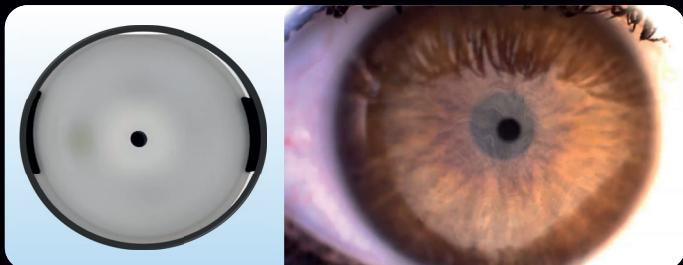
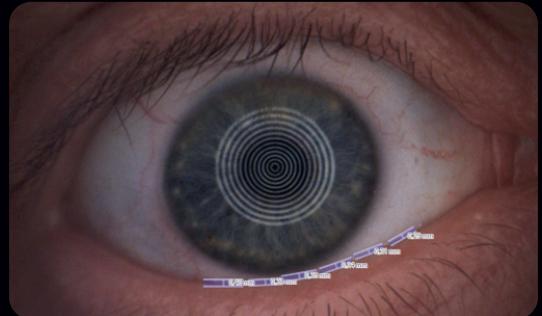
Placido disk technology allows for the advanced analysis of the tear film, such as NIBUT (Non Invasive Break-up Time).



Videokeratoscopy

Antares+ has white light to capture color images and videos as well as cobalt blue light for the analysis of contact lens fitting with fluorescein.

The magnification can be changed allowing the capture of images with a wide visual field such as the tear meniscus and corneal redness.

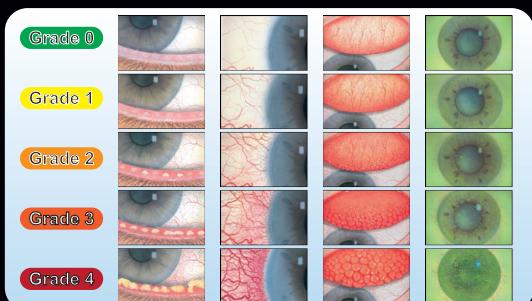


Light diffusor

The light diffusing filter is helpful for visualization and analysis of the tear lipid layer. It is very useful when evaluating the Dry Eye. This useful tool is available as an optional accessory and is easily attached to the Antares+ with a magenetic lock.

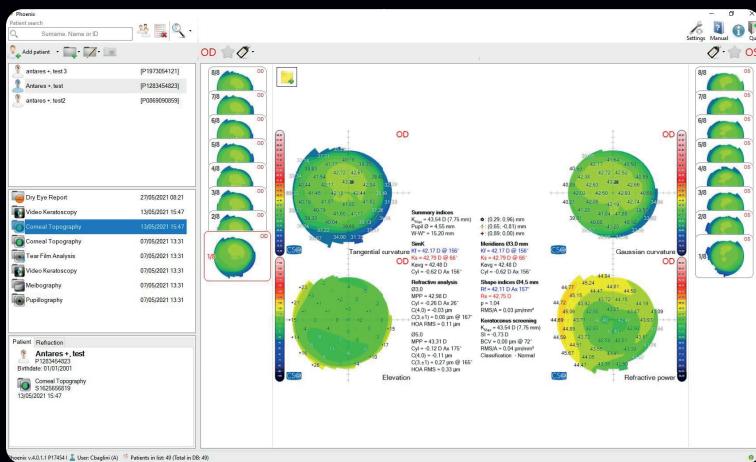
Meibography

Meibomian glands can be viewed under infra-red light. Once the image is captured, you can use the software to aid in the analysis of the condition of the glands.



Easy Gradings

The software of the Antares+ supports you in easily classifying the images. For this purpose, it offers descriptive grading scales for different categories, such as Blepharitis, Meibomian gland dysfunction, corneal staining, corneal infiltration, keratoconjunctivitis, conjunctival and limbal redness or staining, neovascularization and papillary conjunctivitis.



The PHOENIX Software

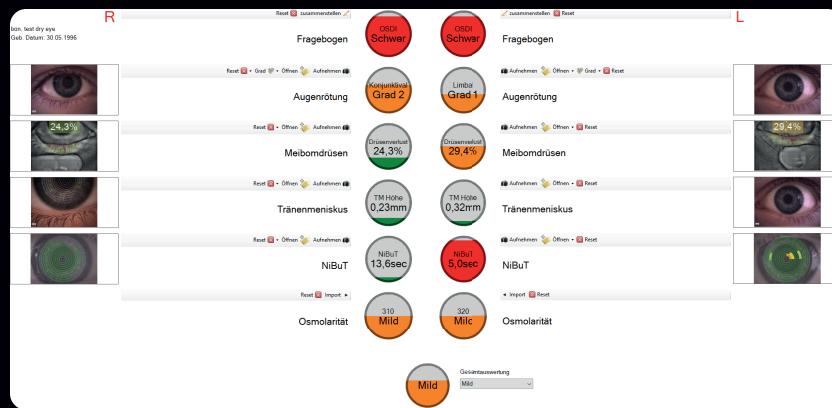
Antares+ works with the advanced "Phoenix" software. The clean user interface allows particularly intuitive and comfortable work.

It is incomparably efficient because it combines diagnostic devices such as digital slit lamp, fundus camera, endothelial microscope, anterior segment OCT and Scheimpflug camera with a comprehensive database into one powerful system.

Barrier-free Data Traffic

The Phoenix export features ensure seamless integration into existing practice software systems and barrier-free collaboration, e.g. with CL manufacturers or cooperating physicians.

Many manufacturers already work with the Phoenix software and can easily integrate and analyze the topography data of the Antares into their calculation programs.



Dry Eye Report

Dry Eye Report Based on the Ocular Surface Disease Index questionnaire (OSDI), limbal and conjunctival hyperemia, Meibomian glands analysis, tear meniscus analysis, NIBUT, and tear osmolarity (imported), calculated merging together all partial scores, provides an overall evaluation of the clinical condition of the patient for a comprehensive diagnosis of the dry eye disease.

Antares+

High-End
Dry-Eye Topographer



CSO S.r.l.,
Via degli Stagnacci 12/E,
50010 Badia a settimo (FI),
Italy



Technical Data

Data transfer	USB 3.0
Power supply	external power source 24 VCC In: 100-240Vac 50/60Hz 0.9-05A Out: 24Vdc - 40W with plug C14
Power net cable	
Dimensions (HxDxW):	515 x 315 x 255mm
Weight:	6.5Kg
Chin rest movement	70mm ± 1mm
Minimum height of the chin cup from table	24cm
Base movement (xyz)	105 x 110 x 30mm
Working distance	74mm

Light Sources

Auxiliary White	LED @450-650nm bianco
Placido's disk	LED @450-650nm bianco
Fluorescein stimulation	LED @470nm
Pupillography / Meibography	LED @940nm

Topography

Placido disk rings	24
Measured points	6144
Topographic covering (at 43D)	10mm
Dioptric measurement range	1D to 100D
Measurement accuracy	Compatibility with standard Class A according to the UNI EN ISO 19980-2012

DICOM v3 (IHE integration profile EYECARE Workflow)

optional Accessory Light diffuser filter for auxiliary illumination, magnetic lock

Minimum System Requirement

Computer	4 GB RAM - Video Card 1 GB RAM (not shared) resolution 1024 x 768 pixels, USB 3.0 type A
Operating system	Windows XP, Windows 7 or Windows 10 (32/64 bit).

The specifications and the images are not contractually binding and can be modified without notice.
Windows® is a Microsoft Corporation trade mark.

Rev. 2023-01-30

b o n Optic Vertriebsgesellschaft mbH

Stellmacherstr. 14 · 23556 Lübeck, Germany · Phone 49 451 80 9000
Fax +49 451 80 900-10 · E-Mail call@bon.de · Internet www.bon.de

