

Corneal analyser CA-800

- » Fluorometry
- » Pupillometry
- » Zernike Analyse
- » Database on-board
- » Meibography
- » Capacitive 10.1 touch screen
- » Complete corneal analysis



PERFORMANCE
YOU CAN COUNT ON

Features CA-800

Topcon CA-800, corneal analyser, look into exceptional technologies

At Topcon, we focus on the success of the eye care professional by providing the best solutions. The CA-800, corneal analyser is a new comprehensive solution for evaluation of the anterior corneal surface. In addition to curvature mapping which can also be displayed in 3D, it provides a complete analysis of the cornea inclusive keratoconus probability index and height map of the corneal surface. On top of that the CA-800 also provides fluorescein images and real time fluorescein video's for contactlens fitting.



Pupillometry, Fluorescein & Meibography

The CA-800 is a placido-based topographer with 24 rings that measure up to 6,144 data points, with axial and instantaneous curvature evaluation. Moreover, it is equipped with 4 infrared LEDs and 2 white LEDs for Dynamic and static pupillometry and 8 blue LEDs for fluorescein images and videos to carry out full contact lens analysis. With the 4 infrared LEDs Meibomian Glands can easily be analyzed for any possible defects.

Contactlens fitting

The CA-800 is the perfect support for contact lens fitting. A simulation software is provided on-board including a complete contact lens database for all the main manufacturers (upgradable and customizable by the user). The on-board fluorescein acquisition system allows full control of the contact lens position on the eye. Thanks to the on-board pupillometer the user can check the pupil position and diameter (from photopic to scotopic condition) in relation to the position of the optical zone in Ortho-k or refractive surgery treatments.

Zernike & Toric IOL calculation

The CA-800 can be used to perform Zernike analysis to evaluate any aberrations and deficiencies of the cornea. An additional functionality of CA-800 is an on-board application for toric IOL calculation in cataract surgery. The CA-800 presents the curvature mapping of both the right and left eye at the same time on the display for easy comparison, as well as comparison with previous measured results.

CA-800 Ease of use

The CA-800 is simple and easy to use. From image acquisition to analysis, the on-board software is intuitive and user-friendly and the 10.1-inch capacitive touch screen provides quick navigation. Visual guidance supports fast and easy alignment and focusing on the eye; the "best image" selection modus automatically acquires the best-focused image.

Integrated PC

The compact design of the CA-800 includes a fully integrated PC, so that an external PC is not required to manage a patient database for archiving and re-analysis purposes.

