

Dry eye observation application with tear film stability analysis (TSAS)

MR-6000

Multifunction Unit

Get a quick overview of dry eye-related characteristics.

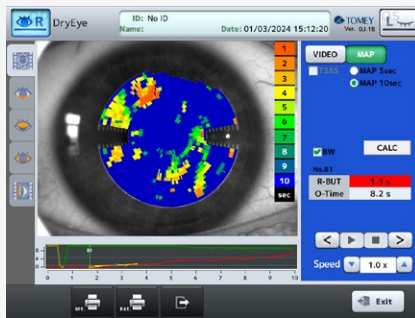
In addition to the main examinations – refraction, keratometry, tonometry, pachymetry, and topography – the application for dry eye observation offers many possibilities. All of these examinations are completely non-invasive and contactless for the eye.

The combination of tear meniscus height, meibomian glands, hyperemia, blinking, and tear film stability analysis (TSAS) provides a comprehensive overview of the eye.

This all-inclusive screening offers you true added value.



TSAS: Tear film stability analysis system



Tear film stability is evaluated automatically by analysing changes in distortion and blurring of projected Mire ring images that occur during continuous eyelid opening over time.

- + Optional software
- + Requires a license key
- + Analysis of changes in Mire rings projected on the tear film
- + Variety of export options
- + Quick overview of ring break-up time and opening time of the eye
- + Automatic evaluation with integrated software
- + Observation of changes in the tear film in a video or map display

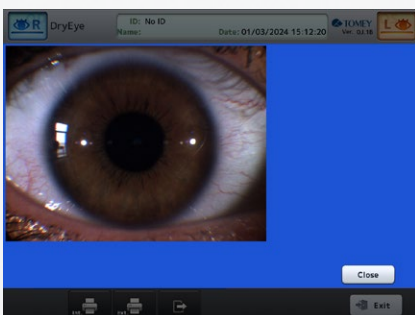
The basic dry eye functions in MR-6000

- + Included in every MR-6000



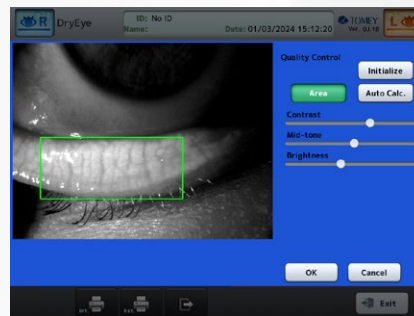
Meniscus

The value of tear meniscus height helps to assess the tear volume and tear film status.



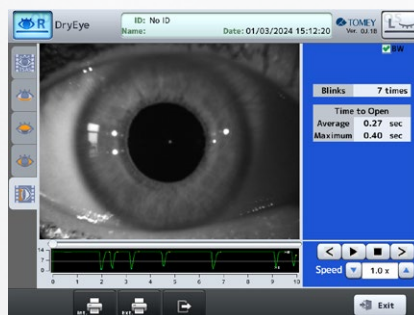
Hyperemia

The image of the conjunctiva can be examined for an increased number of dilated blood vessels caused by inflammation, fatigue, infection, or other conditions.



Meibomian gland

An image of the Meibomian glands is taken with infrared light to check for meibomian gland dysfunction.



Blink

The frequency and quality of blinks are analysed after measuring the blinks for 10 seconds.

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