What Does It Measure?

The Visioline[®] VL 650 is the ideal instrument to objectively analyze the deeper lines and macro wrinkles such as crow's feet. It is a further development of the renowned Quantirides® system.

The Measuring Principle

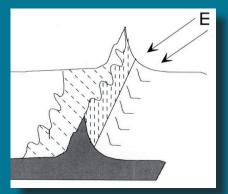
The measurement is based on skin replica and **oblique lighting**. The replica is illuminated at an angle of 35° and the mountains representing the wrinkles of the skin produce measurable shadows. They are digitalized by a high resolution camera mounted vertically to the replica and serve as a basis for different arithmetical calculations (length, depth and area of the wrinkles in µm).

Fields of Application

- This economical system is indispensable in efficacy testing and claim support for cosmetic anti-wrinkle products.
- Perfect tool for multicentric studies, as the replicas can be collected over a long time in different places and then be evaluated together.

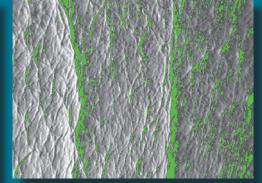
Advantages

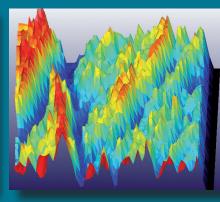
- Easy to make replicas in all sizes from all different body sites.
- On the mount the replica can be moved very accurately in x and y direction by screws.
- To analyse the same site before and after treatment, perfect placing is possible with the help of a histogram of the shadows and an overlay mask of the previous replica.
- Measurements and calibration can be performed very quickly.
- 3D and false colours for impressive marketing purposes available.
- All study data are automatically stored in a database in the software.











Technical Data

Power supply: illumination: external, 12 VDC, Camera: USB; Dimensions: 15.3 x 21.7 x 21.7 cm; Measurement area: from 13.5 x 18 mm to 16.5 x 22 mm; Weight: 4 kg; Port: USB; Light source: white LED under 35° (± 0.5°); Shadow length determination in μm; xy-Stage: Resolution: 1μm, Accuracy: 2μm, Range: 10 mm; Camera: 2560 x 1920 Pixel, 5 MPix; Objective: Focal length: 25 mm, Aperture: 1.4 - 16; Computer: Windows® 10, performance must meet system requirements, USB 2.0

Technical changes may be made without prior notice.

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