

What does it measure?

The Corneometer® CM 825 is the mostly used instrument worldwide to determine the hydration level of the skin surface, mainly the stratum corneum.

The Measuring Principle

The measurement is based on capacitance measurement of a dielectric medium. The Corneometer® CM 825 measures the change in the dielectric constant due to skin surface hydration changing the capacitance of a precision capacitor.

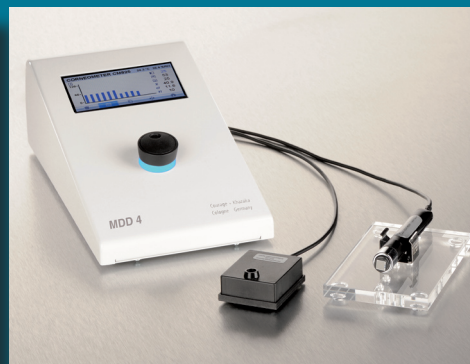
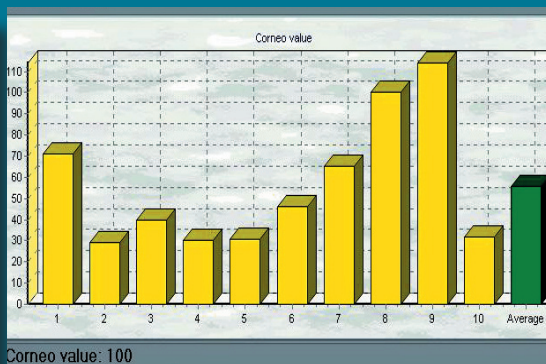
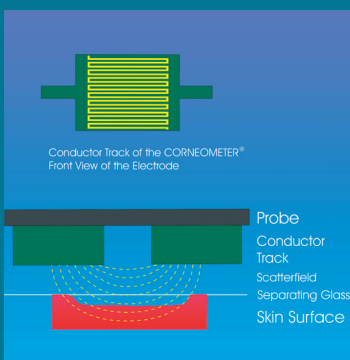
Fields of Application

The hydration measurement is the basic measurement for all dermatological and cosmetic applications.

- Ideal instrument for formulation, claim support and efficacy testing of moisturizers.
- It is used for objective clinical diagnosis or for monitoring therapies.
- It gives information on the course of treatments.
- In occupational health it is possible to detect skin problems before they become apparent.

Advantages

- The measurement is not influenced by substances in the skin.
- The modern, high quality electronics of the probe allow a very quick measurement (1 s).
- The measurement depth is very small (10-20 µm of the Stratum corneum) to avoid the influence of water in deeper skin layers.
- The probe is small and lightweight for easy handling and measurement on all body sites.
- The spring in the probe head ensures constant pressure on the skin, enabling exact, reproducible measurements which do not influence the skin.
- Worldwide established as „corneometry“ with a broad range of studies.
- Available for C+K MPA-System, as stand-alone device and wireless probe.



Technical Data

Dimensions: 11 cm, Measuring surface: 49 mm², Weight: 41 g, Units: arbitrary Corneometer® units 0-120, Measurement principle: capacitance, Measurement frequency: 0.9-1.2 MHz, Accuracy: ± 3%
 Technical changes may be made without prior notice.

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