

What does it measure?

The Skin-Glossymeter GL 200 is a quick, easy to use and economical tool to measure the gloss especially on skin. Also applications like measurements on lips, hair, teeth and other materials are easily possible.

The Measuring Principle

The measurement is based on reflection. Parallel white light is created by the LEDs in the Glossymeter probe head and is sent via a mirror in a 60° angle onto the skin surface. One of the two sensors measures the directly reflected light via a mirror, the other measures the diffuse reflected light vertically above the surface. So the Skin-Glossymeter GL 200 measures both, the portion of directly reflected light, which is related to the gloss and the scattered portion from the surface.

Fields of Application

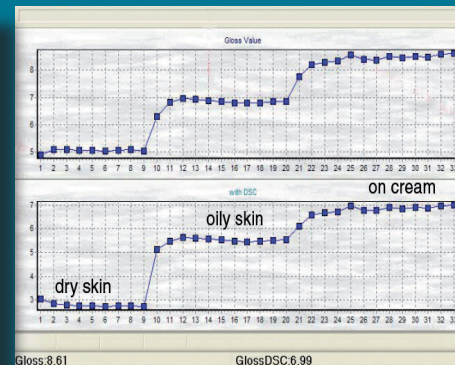
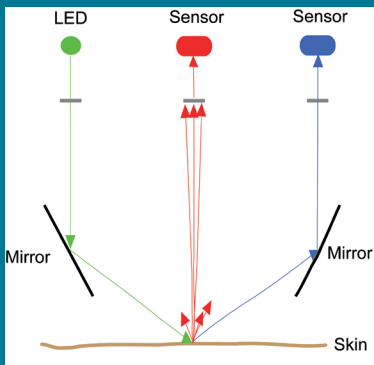
There are many applications in the R&D departments of the cosmetic industry where gloss is of interest.

- For efficacy testing and claim support for skin care, hair care and decorative cosmetics (lipsticks, make-up etc.)
- Evaluation of skin shine reducing or skin radiance enhancing products in facial care.
- Also suitable for assessment of dental gloss for developing and evaluating products for tooth surface enhancement.

Advantages

- The probe allows a very quick measurement and is easy to handle.

- The diffuse scattering correction (DSC) is a unique function to specially assess the gloss of the skin. In contrary to uniform industrial material, the skin varies in structure, brightness and colour. The DSC eliminates the portion of diffuse reflected light, thus allowing to compare gloss measurements of different skin types accurately and easily.
- A spring in the measuring head provides constant pressure on the skin.
- Large illuminated area (Ø 20 mm) but small measuring area (5 x 2.5 mm), ideal for measurement e.g. on the face.
- Hair clip for reproducible measurements on hair.
- Continuous measurements possible.
- Available for C+K MPA-System, as stand-alone device and wireless probe.



Technical Data

Dimensions: 13 cm x Ø 2.4 cm Measuring area: 2.5 mm x 5 mm Weight: 85 g incl. cable
 Light: white LED, emittance at 60°, reflection measurement at 60°, diffuse reflectance measurement at 90°
 Units: Glossymeter units (excellent correlation with industrial standard units GU based on DIN and ISO)
 Accuracy: ± 5%
 Technical changes may be made without prior notice.

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