

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 surfaces 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 sent via a mirror in a 60° angle onto the skin surface. One of the two sensors measures the light **directly reflected** via a mirror, the other measures the **diffusely reflected** light vertically above the skin surface. So the Skin-Glossymeter GL 200 measures both, the portion of directly reflected light which is related to the gloss, and the portion scattered from the surface.

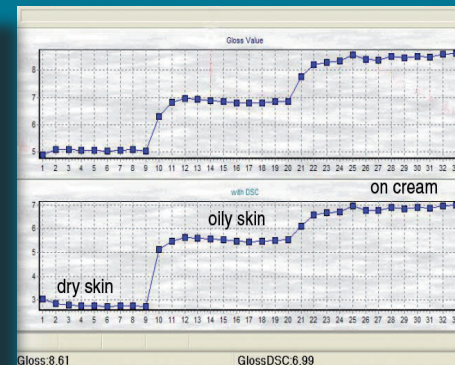
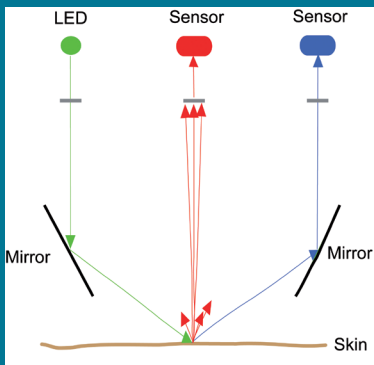
Fields of Application

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 **diffuse scattering correction (DSC)** is a unique function to specially assess the gloss of the skin. Contrary to uniform industrial material, the skin varies in structure, brightness and colour. The DSC eliminates the portion of diffusely reflected light, thus allowing to compare gloss **measurements of different skin types** accurately and easily.
- The probe allows a **very quick** measurement and is easy to handle.
- A spring in the measuring head provides **constant pressure** on the skin.
- Special **hair clip** for measurements on hair.
- Available for C+K **MPA-systems**, as stand-alone device (**MDD**) and wireless probe (operation with RR 200 & MPA WLplus software).



Technical Data (for probe with cable)

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)
 Measurement uncertainty: ± 5%, Measurement principle: reflection
 Technical changes may be made without prior notice.

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