

What Does It Measure?

The Sebumeter® SM 815 is a **worldwide acknowledged** tool to measure **sebum (oil)** on skin, scalp and hair.

The Measuring Principle

The measurement is based on **grease spot photometry**. The opaque tape of the Sebumeter® SM 815 is brought into contact with skin or hair. It becomes transparent in relation to the **amount of sebum** on the surface of the measurement area. When the tape is inserted into the aperture of the device, the **transparency is measured** by a photocell. The light transmission reflects the sebum content.

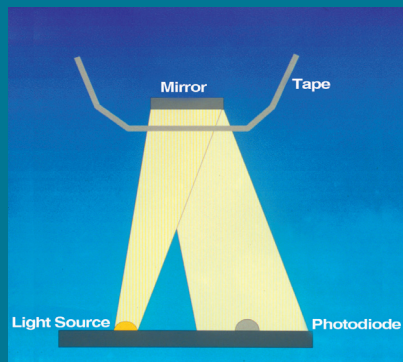
Fields of Application

There are many fields of application where the sebum content plays a major role.

- Important for dermatologic **basic research**.
- Used for objective **clinical studies** and the monitoring of the course of skin changes.
- For **claim support and efficacy testing** of all kinds of cosmetics and pharmaceuticals (especially cleansers, anti-acne products, shampoos and hair care, products for oily skin).

Advantages

- The special tape detects only oil and is **not influenced by moisture**.
- A spring in the measuring head provides **constant pressure** on the skin.
- The low weight cassette permits **convenient** measurements at all body sites.
- One measurement cartridge lasts for approx. **400 measurements**.
- The accuracy of the Sebumeter® can easily be **checked any time**.
- Hundreds of **studies** have been done with the Sebumeter®.
- Available in the C+K **MPA-systems** and as stand-alone device (**MDD**).



Technical Data

Dimensions: 8.5 x 11.3 x 2.3 cm; Measuring surface: 64 mm²; Weight: 65 g;

Measurement principle: photometric

Units: Sebumeter® units from 0-350 (approximated to $\mu\text{g}/\text{cm}^2$ in a certain range), Measurement uncertainty: $\pm 5\%$

One cartridge lasts for approx. 400 measurements. Exhausted cartridges need replacement.

Technical changes may be made without prior notice.

Courage+Khazaka electronic GmbH since 1986
Mathias-Brüggen-Str. 91 · 50829 Köln · GERMANY

phone +49 221 95 64 99 0 · fax +49 221 95 64 99 1
info@courage-khazaka.de · www.courage-khazaka.de