

SKINGLOSSMETER

ACCURATE MEASUREMENTS
OF SKIN SHINE

PRODUCT FEATURES

- Use on skin, lips, nails and other non-planar surfaces
- 635nm laser light source
- Spot size diameter 50 μ m
- Measures specularly reflecting light
- Portable and wireless
- Short measurement time
- Direct surface contact



APPLICATION AREAS

- Product research and development in cosmetic and personal care industries
- Claims substantiation
- Skin research studies
- Assessment of skin type
- Evaluation of skin care
- Use also on nails, lips, teeth and other small non-planar surfaces

SKINGLOSSMETER INSTRUMENTATION AND MEASUREMENT PRINCIPLE

The SkinGlossMeter measures the specularly reflecting light from skin and other surfaces. This is used to determine the gloss or shine values of the surface. In the SkinGlossMeter the light beam reflects back at the same angle as it contacted the measured surface.

As a light source the instrument has a built-in 635 nm red semiconductor diode laser. The laser's spot size diameter at the surface level is 50µm. The use of red light is ideal as it has superior reflective capabilities from the skin.

The gloss values are measured with a photodetector and the total intensity of the reflected beam is then calculated. The power of the laser is optimized for accurate measurements and is less than 1mW to ensure that the SkinGlossMeter is a safe instrument to use. The safety rating of the laser is Class 1M as specified by the IEC 60825-1 standard.

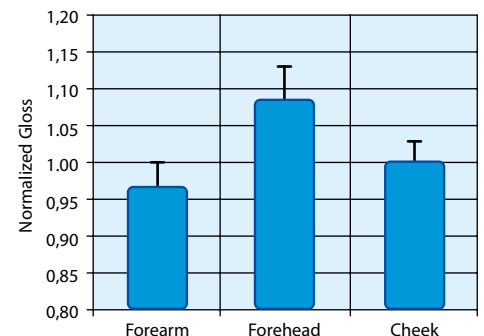
The SkinGlossMeter is fully portable and has a built-in rechargeable battery. This offers great freedom of movement and the possibility of measuring difficult body areas. The SkinGlossMeter may be used as a stand-alone device or measurement data may be collected wirelessly to the DelfWin software.

The DelfWin software allows users to set up individual projects and plot and print the results or export them to other programmes for editing.

The SkinGlossMeter has an excellent correlation with the industrial standard Gloss Units (GU) based on international ISO, ASTM and DIN standards.



DIFFERENCES IN GLOSS LEVELS BETWEEN DIFFERENT SKIN SITES IN HEALTHY VOLUNTEERS.



DELFIN INSTRUMENTS ARE USED
WORLDWIDE IN OVER 30 COUNTRIES
ON 6 CONTINENTS

Manufactured and Marketed by



HEAD OFFICE

Delfin Technologies Ltd
P.O. Box 1199
70211 Kuopio, FINLAND
tel. +358 50 911 1199, fax +358 17 222 2343
info@delfintech.com

LOCAL REPRESENTATIVE

Flowscience Instruments Ltda
Adib Auada, 354 - Sala 21
Empresarial Granja Tower
06710-700 - Cotia - SP, BRAZIL
tel. (11) 4702-0422
info@flowscience.com.br