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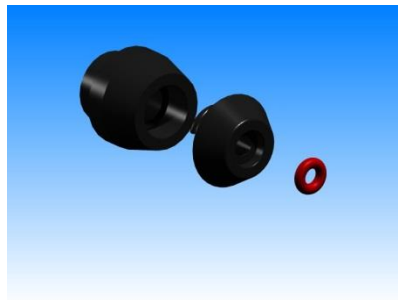
SKINGLOSSMETER

ACCURATE MEASUREMENTS
OF SKIN SHINE



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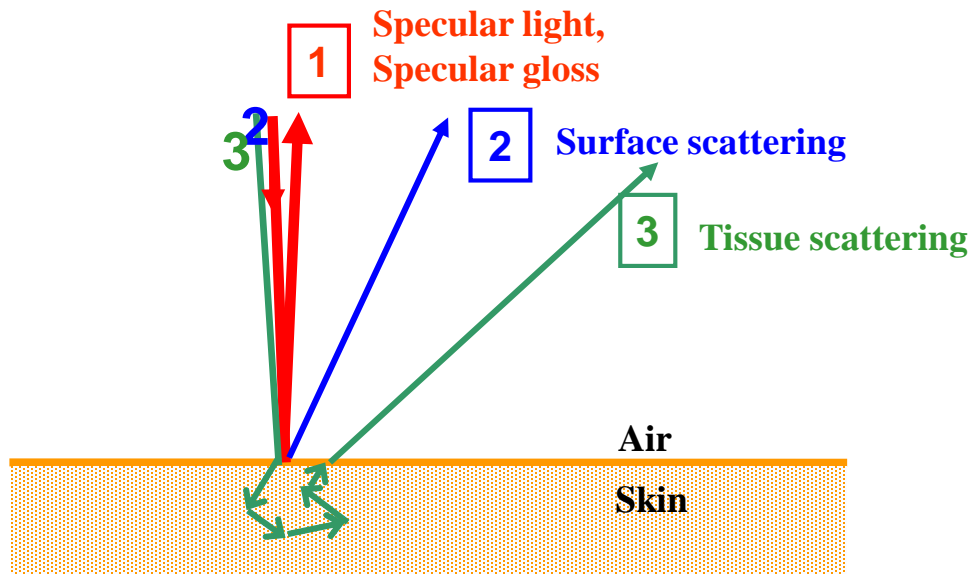
- Direct surface contact
- Short measurement time, only a few seconds
- Battery operated
- Wireless data collection with Delfin Modular Core software
- Use also on nails, lips and other small non-planar surfaces



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MEASUREMENT PRINCIPLE

- Measures specularly reflecting light (component 1)
 - The light beam reflects back at the same angle as it contacts the measured surface

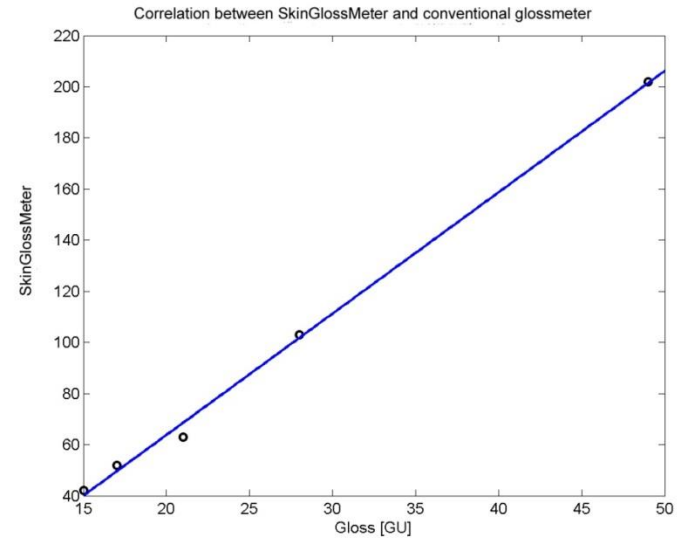
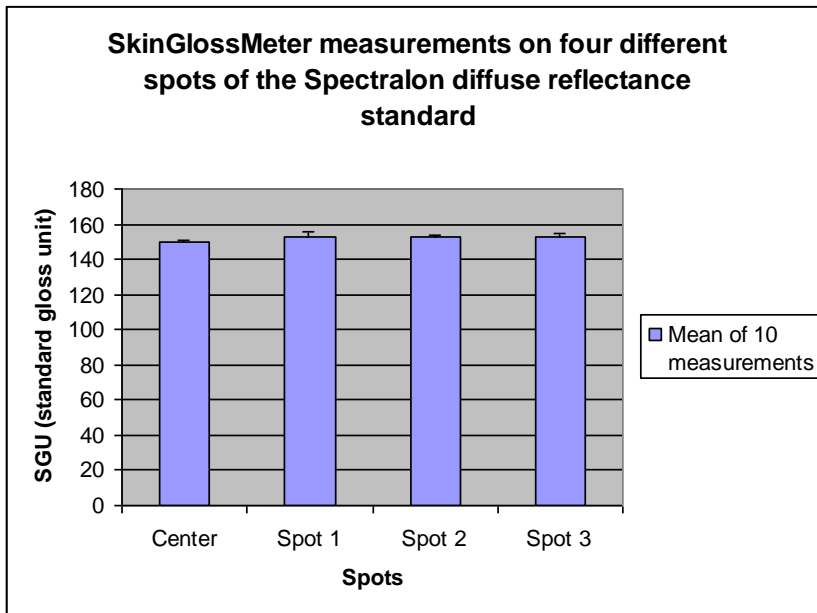


- Based on
 - Low power 635 nm red laser light source (class 1M)
 - Patented internal diffractive microstructure
 - Spot diameter 50 microns



SKINGLOSSMETER CALIBRATION

- 1) Correlation with industrial gloss standard
- 2) Proper range for skin measurements
- 3) Device calibration with reflectance standard

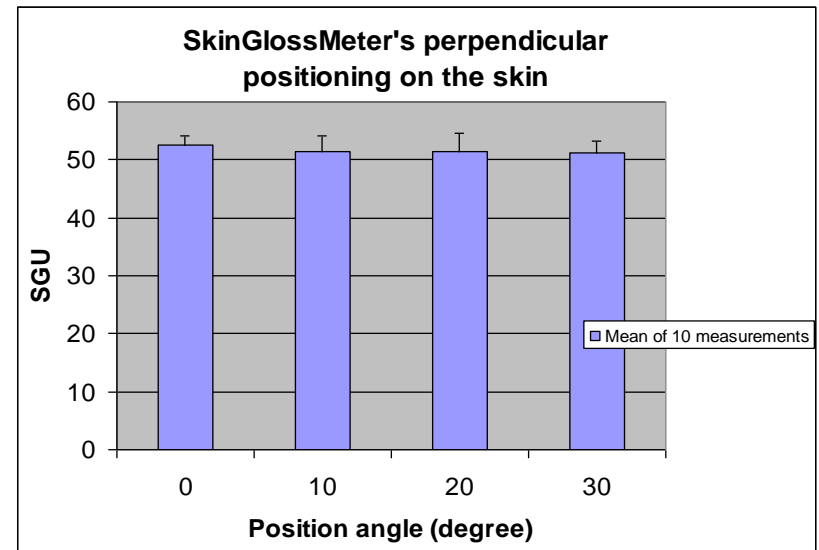
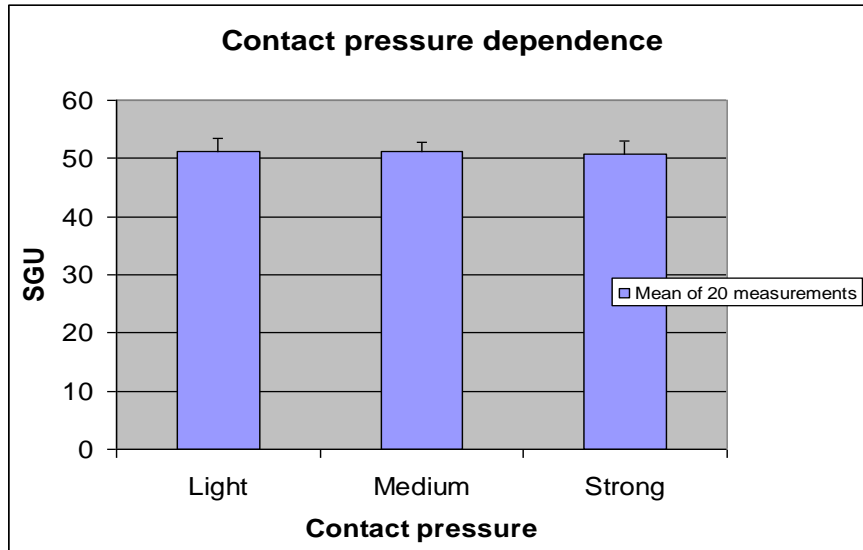


Correlation between the SkinGlossMeter and industrial glossmeter Zehntner ZGM 1022



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VALIDATION DATA

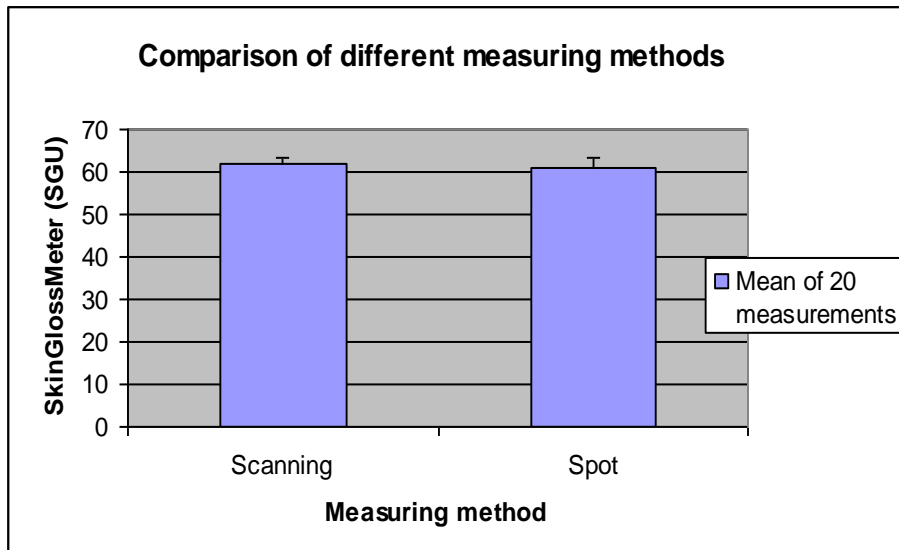


Conclusion: The SkinGlossMeter is not sensitive to the contact pressure or the instrument orientation on the skin



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MEASURING METHOD – SPOT OR SCANNING



- Spot method
 - For measurements in all body sites
- Scanning method
 - For measurements in all body sites
 - Designed especially for hair gloss measurements

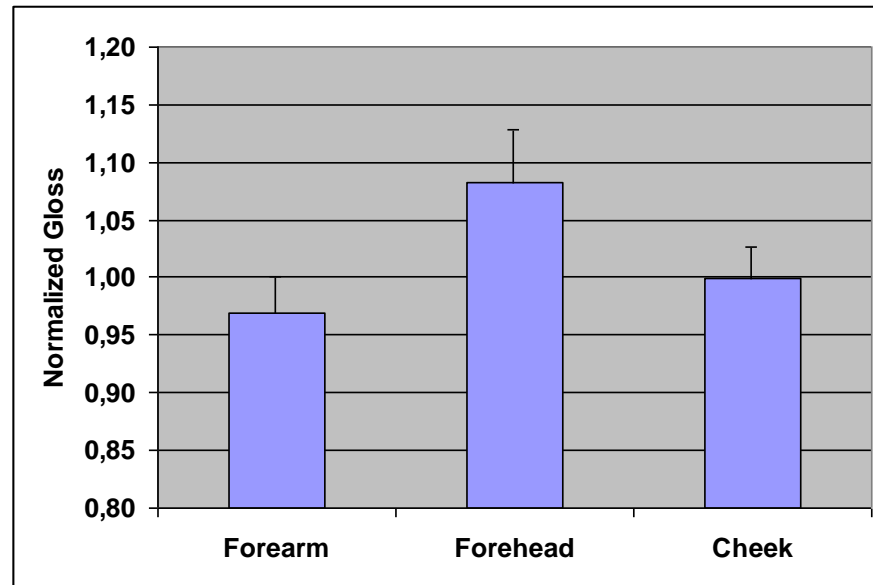
Conclusion: There is no difference between scanning and spot measurement method



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EXAMPLE

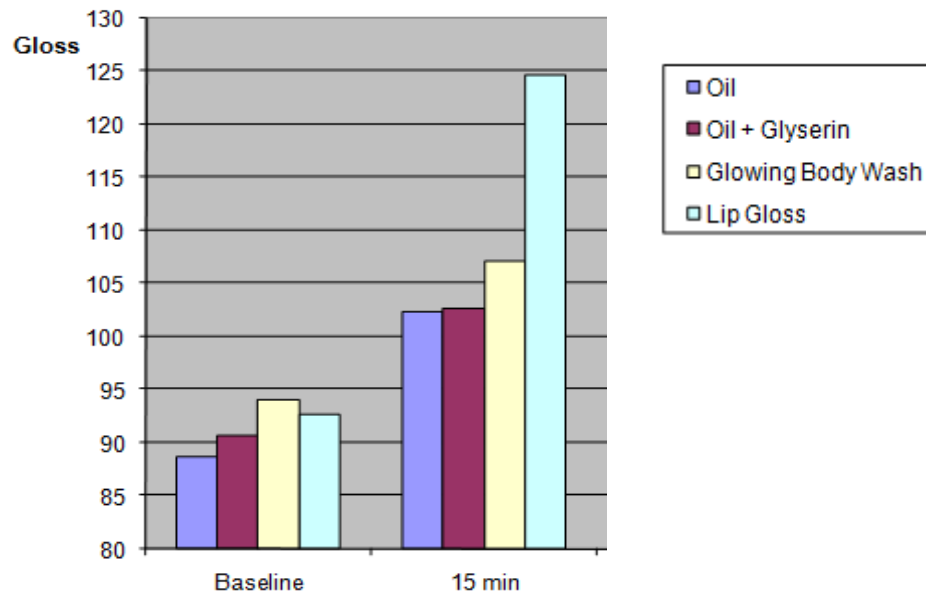
Differences in gloss levels between different skin sites in healthy volunteers



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EXAMPLE

Example of skin gloss values after applying different skin products



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APPLICATION AREAS

- Cosmetic and personal care industry R&D and claims validation work
 - Lip gloss
 - Nail polish
 - Mattifying products
- Skin research and validation studies
- Evaluation of skin care and treatment



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