

MOISTUREMETEREPID

LOCAL EPIDERMAL HYDRATION MEASUREMENTS

PRODUCT BENEFITS

- ♦ Highly sensitive measurement of hydration down to epidermal layer
- ♦ Local measurements on virtually all areas of the body
- ♦ Sensitive, accurate and reliable measurements
- ♦ Fully portable with rechargeable battery
- ♦ Wireless connection to PC
- ♦ Extremely practical to use
- ♦ Totally non-invasive
- ♦ Fast and convenient measurements
- ♦ Built-in pressure sensor for user-independent measurements



APPLICATION AREAS

- ♦ Product and formulation research and development in pharmaceutical, personal care and chemical industries
- ♦ Claims validation work
- ♦ Efficacy testing
- ♦ Skin research studies
- ♦ Assessment of skin types
- ♦ Evaluation of skin care and treatments
- ♦ Occupational health related skin monitoring
- ♦ Marketing and promotion of skin care products

SKIN HYDRATION

Measurement of water changes at epidermal level provides important information to assist with understanding skin healthiness and the effect of products and ingredients on the skin. Delfin's unique MoistureMeterD product family introduces a practical and cost-effective way to measure skin hydration at the epidermis and the upper dermis.

MOISTUREMETEREPIID INSTRUMENTATION

The MoistureMeterEpiD is an all-in-one measurement unit that is composed of an integrated probe, a built-in contact force sensor and a display. The LCD

display shows non-invasively measured values in percentage of local tissue water (0 to 100 %) effectively in the epidermis. The MoistureMeterEpiD may be used either as a stand-alone device or measurement data may be collected wirelessly to the DMC software.

The DMC software allows users to set up individual projects, store and view measurement data and plot the results or export them to other programs for editing.

MEASUREMENT PRINCIPLE

The MoistureMeterEpiD generates a high frequency, low power electromagnetic (EM) wave into the skin. The reflected EM wave is analyzed and the obtained value is a tissue dielectric constant, which is proportional to the water content of the measured site. This TDC (tissue dielectric constant) value is converted to water percentage and displayed. The value increases with increasing hydration.

DELFIN INSTRUMENTS ARE USED
WORLDWIDE IN OVER 40 COUNTRIES
ON 6 CONTINENTS



Manufactured and Marketed by



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