

MOISTUREMETEREPID

LOCAL SKIN HYDRATION MEASUREMENTS

PRODUCT BENEFITS

- ♦ Highly sensitive measurement of hydration changes 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

The measurement of water changes in the deeper layers of the skin provides important information to assist with understanding skin healthiness and the effect of products and ingredients to the skin. Delfin's unique MoistureMeterD product family introduces a more practical and cost-effective way to measure skin hydration at the epidermal or dermal layer than conventional methods.

MOISTUREMETEREPID 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 screen. The LCD display shows non-invasively measured values in percentage of local tissue water (0 to 100%) down to an effective depth of 1 mm. The MoistureMeterEpiD may be used either 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, 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 registered and the obtained value is a dielectric constant, which is proportional to the water content of the measured tissue. This TDC (tissue dielectric constant) value is converted to water percentage and displayed on the screen. The value increases with increasing hydration.

DELFIN INSTRUMENTS ARE USED
WORLDWIDE IN OVER 40 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
info@delfintech.com

UK OFFICE

Delfin Technologies UK Limited
2 Boxhill Station House
Westhumble Street, Dorking
Surrey RH5 6BT
UNITED KINGDOM
tel. +44 7801 520059
info@delfintech.com

US OFFICE

Delfin Technologies, Inc.
62 Southfield Avenue, Suite 118
Stamford, CT 06902, USA
tel. 203-554-2707
info@delfintech.com