

MOISTUREMETERD

LOCAL MEASUREMENTS OF TISSUE WATER

PRODUCT BENEFITS

- Highly sensitive measurement of water content and edema in skin and subcutis
- Totally non-invasive
- Local measurements on virtually all areas of the body
- Probes for different measurement depths up to 5 mm
- Fully portable with rechargeable battery
- Wireless connection to PC
- Sensitive, accurate and reliable measurements
- Fast and convenient to use



APPLICATION AREAS

- Lymphedema – related to cancer, surgery, drugs and trauma
- Edema – cutaneous edema, venous edema, postoperative edema, tissue water status
- Wound healing, burns and thermal injury
- Radiotherapy – acute and late radiation reactions
- Irritant and allergic skin reactions
- Pharmaceutical research and product development – effects of topical drugs in skin, transdermal delivery
- Personal care research and product development
- Skin research studies
- Weight loss
- Treatment effects

MOISTUREMETERD INSTRUMENTATION

The MoistureMeterD is composed of a measuring unit and four probes for different measurement depths from 0.5 mm to 5 mm in effective measurement depths. The LCD screen displays the three most recent TDC (tissue dielectric constant) readings. The MoistureMeterD 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 MoistureMeterD generates a high frequency, low power electromagnetic (EM) wave which the tissue is exposed to. 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. The value increases with increasing water content and edema.



PROBE	EFFECTIVE MEASURING DEPTH	APPLICATION EXAMPLES
XS5	0.5 mm	Cosmetic products, transdermal drug penetration
S15	1.5 mm	Irritation reactions, wound healing, burns, transdermal drug penetration
M25	2.5 mm	Blood circulation, lymphedema, postoperative edema
L50	5 mm	Subcutaneous tissue metabolism, cellulite treatment



XS5 S15 M25 L50

DELFIN INSTRUMENTS ARE USED
WORLDWIDE IN 40 COUNTRIES
ON 6 CONTINENTS



Manufactured and Marketed by



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