

# MOISTUREMETER D

## LOCAL MEASUREMENTS OF TISSUE WATER CHANGES

### PRODUCT FEATURES

- Measures changes of the water content in skin and subcutis
- Totally non-invasive
- Measurements on virtually all body locations
- Different measurement depths up to 5 mm
- Wireless and battery operated



### APPLICATION AREAS

- Lymphedema
- Cutaneous edema, tissue fluid status
- Wound healing
- Radiotherapy
- Burns, thermal injury
- Weight loss
- Personal care and pharmaceutical R&D

## MOISTUREMETER D INSTRUMENTATION

The MoistureMeter D is composed of a measuring unit and four probes for different measurement depths. The LCD display of the measuring unit displays the three most recent readings. It 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 and plot and print the results or export them to other programmes for editing.

## MEASUREMENT PRINCIPLE

The MoistureMeter D generates a high frequency, low power electromagnetic (EM) wave which the tissue is exposed to. The reflected EM wave is registered and the obtained reading is a dielectric constant, which is proportional to the water content of the measured tissue. The value increases with increasing water content.



| 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 OVER 30 COUNTRIES  
ON 6 CONTINENTS



Manufactured and Marketed by



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