PORTABLE MOISTURE METERS

for paper and board industry

Portable MOISTURE METERS

DM4A Digital – Code. T-6846
PAPER & CARDBOARD
- Range 0-100 % H_2O (adjustable)
- Resolution: 0,1 %
- Measuring depth: 30 mm
- Storage for 100 moisture values
- OPTIONAL:
  Software & cable RS-232

DM7/AL Digital – Code.T-6854
CORRUGATED CARDBOARD
CARDBOARD PIPES
- Rango 0-100 % H_2O (ajustable)
- Resolución de medida: 0,1 %
- Measuring depth: 30 mm
- Storage for 100 moisture values
- OPTIONAL:
  Software & cable RS-232

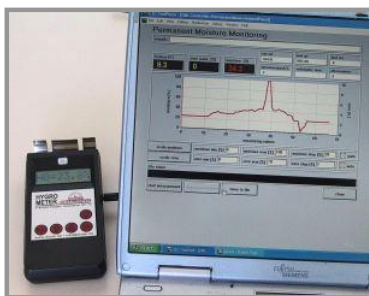**AD4A Analog & Digital display**
Code. T-6847
PAPER & CARDBOARD
- Scale: 0-100 % H_2O (adjustable)
- Measuring depth: 30 mm
- Serial PC interface
  OPTIONAL: **AD4A** Software+Cable

OPTIONAL:
- Cod. 6943 **AD4A –S** Software +Cable

- Ability to connect external sensors /
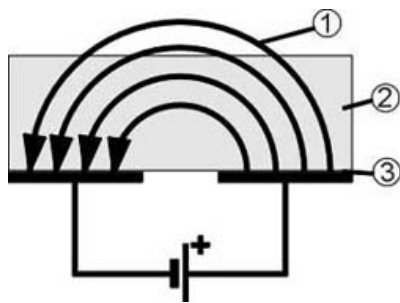 datalogger of Temperature –
  Relative Humidity – Dewpoint…

OPTIONA f/ DM4A & DM7.AL:
Software & cable RS-232
Code. T-6875

MOISTURE METERS:
- ❑ **Instantaneous reading**
- ❑ **Contact measure**
- ❑ **Non-destructive method (capacitive)**
- ❑ **Controlled by microprocessor**
- ❑ **The Moisture Meters work with a standard 9 V block battery**

(1) field lines
(2) material to be measured
(3) plate capacitor

Capacitive Measuring Principle

This is the most cost effective measuring principle to measure the moisture without damaging the material. The meter are working in accordance with the principle of an opened plate capacitor. The capacity of the capacitor depends on the material-(dielectric)-constant (DC) of the material in between the plates. Compared with air, for example (DC = 1) water has got a very high dielectric-constant (DC ~ 80). The water content of a wet material can therefore be determined by determining the dielectric constant of this material. The measurements are influenced through differences in the material densities.

Code T-6846 Digital MOISTURE METER DM4A - for Paper & Cardboard

Digital hand held instrument with capacitive measuring principle
Non-destructive measurements - done in seconds- just press it on the material and read off the average moisture content till a depth of approx. 30 mm

➢ Measuring range **2 - 20 %** (H_2O) – Adjustable
➢ Resolution: 0,1 %
➢ Storage for 100 moisture values
➢ Automatic calculation of maximum, average and minimum value
➢ Material group setting by means of a membrane-type keypad
➢ the adjusted material group can always be seen in the display
➢ Microprocessor controlled measuring with automatic zero point correction
➢ Up to 10 customer specific linearization curves with 8 points each possible
➢ Interface RS-232
➢ Dimension: 200 x 80 x 40 mm approx.
➢ Weight: 250 g. approx.

    OPTIONAL: Software DMI-Controller + Cable Interface RS-232

The Moisture Meter can be calibrated by means of the Modules of Calibration PE05 and PE30

Code T-6847 Analogue MOISTURE METER AD4A – for paper and cardboard

Analogue hand held meter with capacitive measuring principle

➢ Measuring Scale: 0 - 100 % (H_2O) (Adjustable)
➢ Measuring depth: 30 mm
➢ Big clearly readable analogue display
➢ Change of category, change of status of instantaneous measurement
➢ Measurement controlled by microprocessor with automatic zero point correction
➢ Specially good detection of different moisture levels, p.e. Humidity changes in paper or cardboard reels are instantaneously displayed.
➢ Dimensions: 200 x 80 x 40 mm

The Moisture Meter can be calibrated by means of the Module of Calibration PE05 and PE30

Code T-6854 Digital MOISTURE METER Mod DM7-AL for Corrugated Cardboard an Cardboard pipes
Not-destructive moisture measurements in seconds.

➢ Measuring range 0 **- 99,9 %** (H_2O)
➢ Resolution: 0,1 %
➢ Measuring depth: 10 mm
➢ Storage for 100 moisture values
➢ Automatic calculation of maximum, average and minimum value
➢ Interface RS-232
➢ Dimensions: 180 x 80 x 35 mm approx.
➢ Weight: 430 g. approx.
➢
    OPTIONAL: Software DMI-Controller + Cable Interface RS-232

The Moisture Meter can be calibrated by means of the Module of Calibration PE30-7