

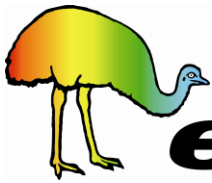
## **emco AP 500-M6**

### **moisture meter for recycled paper**

**Fast, mobile moisture determination without sampling,  
for detecting moisture in stacks and bales**



- Lightweight, durable and mobile
- Simple application: moisture detection and data transfer within seconds
- Quick and easy operation due to integrated handle button
- Non-destructive measurement down to a depth of effectively 300 mm
- Characteristic curves for different materials and compressed densities
- Digital index in % water content (weight per cent)
- Temperature value to every moisture value
- Data-log-mode:
  - Automatic recording and storage with date and time
  - Input of vendor data and batch numbers possible
- Data output via USB interface to PC or printer
- Data analysis by means of evaluation software in EXCEL, database and statistic function



Knowing paper better!

**emco** Technology connects

**AP 500-M6**

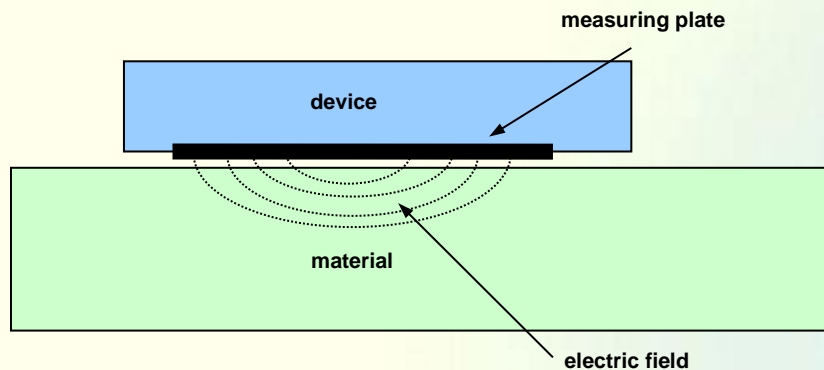
## The used principle to determine the absolute moisture

Absolute moisture is the percentage water content in a material relative to the anhydrous mass (common for timber) or the total weight (common for paper).

### The measuring principle:

The material in the measuring area is penetrated by an electric field. As a result of the distinctive polarity of the water molecule and the resulting high dielectric constant of the water (approx. 83), the capacity of the measuring area changes with the alteration in the moisture content of the sample. With hand-held measuring instruments, the measuring signal is related to a constant volume and thus the moisture value is calculated. The measuring field (up to a depth of 500 mm) should be completely filled with the sample material to be measured.

Considerable impurities, such as conductive foils, metals, etc., lead to extremely deviating values or to the device being switched off.



## Technical data

Measuring range:	1 - 50 % moisture (kind dependent)
Measuring depth:	500 mm maximum
Operating temperature:	0 °C up to +50 °C
Storage temperature:	-20 °C up to +80 °C
Temperature compensation:	automatic
Resolution:	0.5 % moisture 0.5 °C temperature
Menu language:	EN, FR, DE, IT, ES, RU, PT, CZ, PL
Power supply:	Li-ion accumulator approx. 2000 mAh
Current consumption:	30 mA
Measured data storage:	approx. 10,000 measurements
IP-code:	IP 54
Weight and dimensions:	1050 g, 620 x 100 x 150 mm <sup>3</sup>
Scope of delivery:	device in case with test plate and certificate, USB data interface with LogMemorizer software incl. USB cable and charging adaptor

Optional accessory: portable printer