

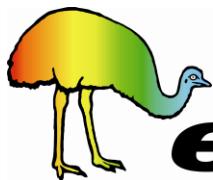
emco AP 500-M6

moisture meter for paper for recycling

**Quick mobile moisture determination without sampling,
to detect moisture in bales of recovered paper**



- 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 up to 300 mm (effective)
- 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
 - Entering of vendor data and batch number possible
- Data output of values through USB interface to PC or printer
- Performance data analysis via evaluation software in EXCEL, database and statistic function



Knowing paper better!

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Technology connects

AP 500-M6

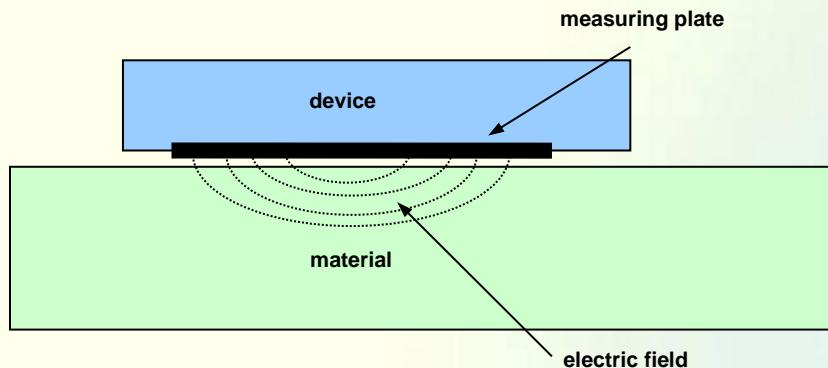
The used principle to determine the absolute moisture

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. Hand-held measuring instruments relate the measuring signal to a constant volume and thus calculate the moisture value. The measuring field (to a depth of 500 mm) should be completely filled with the sample material that is 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:	300 mm effective, 500 mm max.
Operating temperature:	0 °C up to +40 °C
Storage temperature:	-20 °C up to +80 °C
Temperature compensation:	automatic
Resolution:	0.5 % moisture 0.5 °C temperature
Menu language:	English, French, German, Italian, Spanish, Russian, Portuguese, Czech, Polish
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 ³
Scope of delivery:	device in case with test plate and certificate, USB data interface with LogMemorizer software incl. USB cable and charging adaptor
<u>Optional accessory:</u>	portable printer