

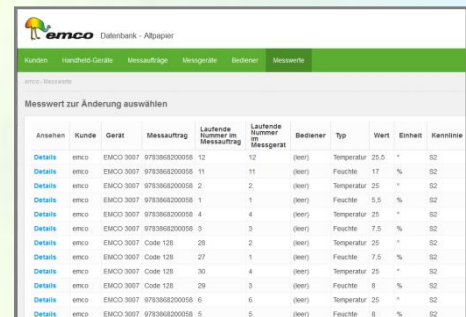
emco AP 500-M5

System for moisture determination of recovered paper for automatic data processing, transfer and documentation

Quick mobile moisture determination without sampling, to detect moisture in stacks, bales and loose fills of recovered paper



web-based database



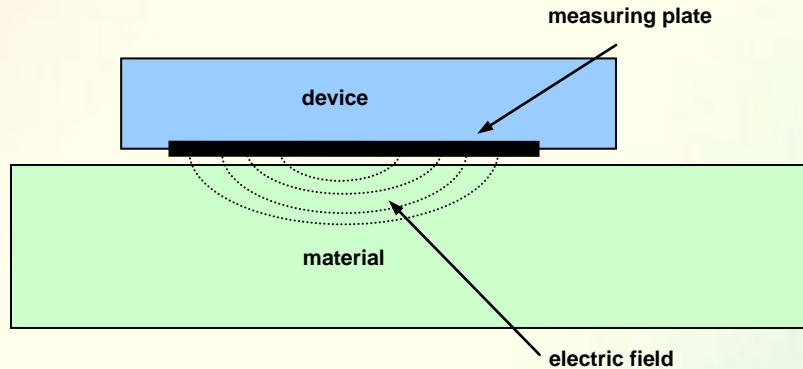
Ansehen	Kunde	Gerät	Messauftrag	Laufende Nummer im Messauftrag	Laufende Nummer Messgerät	Bediener	Typ	Wert	Einheit	Kennlinie
Details	emco	EMCO 3007	9783668200018	12	12	(user)	Temperatur	23.5	°	S2
Details	emco	EMCO 3007	9783668200018	11	11	(user)	Feuchte	17	%	S2
Details	emco	EMCO 3007	9783668200018	2	2	(user)	Temperatur	25	°	S2
Details	emco	EMCO 3007	9783668200018	1	1	(user)	Feuchte	5.5	%	S2
Details	emco	EMCO 3007	9783668200018	4	4	(user)	Temperatur	25	°	S2
Details	emco	EMCO 3007	9783668200018	3	3	(user)	Feuchte	7.5	%	S2
Details	emco	EMCO 3007	Code 128	28	2	(user)	Temperatur	25	°	S2
Details	emco	EMCO 3007	Code 128	27	1	(user)	Feuchte	7.5	%	S2
Details	emco	EMCO 3007	Code 128	30	4	(user)	Temperatur	25	°	S2
Details	emco	EMCO 3007	Code 128	29	3	(user)	Feuchte	8	%	S2
Details	emco	EMCO 3007	9783668200018	6	6	(user)	Temperatur	25	°	S2
Details	emco	EMCO 3007	9783668200018	5	5	(user)	Feuchte	8	%	S2

- Lightweight, rugged and mobile: feed – detection – data transfer – storage
- Quick and easy one-hand-operation with storage button in the handhold
- Non-destructive measuring up to 300 mm deep effective
- Automatic data recording, pre-processing and transfer of the measured values in networks or web-based databases using data terminal:
 - Barcode scanner replaces entries by hand
 - Data pre-processing and removing of faulty measurements
 - No manipulation or input errors possible
- Central management of operators and device numbers

The measuring principle

The absolute moisture is the percentage water content in a material referring to the total weight.

The material situated in the measuring area is penetrated of an electric field. Due to the distinctive polarity of the water molecule and the resulting high dielectric coefficient of water (approx. 83) the capacitance of the measuring area varies with the alteration of the moisture in the test sample.



The complete solution

The data are transferred from the moisture meter to the data terminal, pre-processed and sent securely into a database. From there, the data can be transferred into existing systems. The transmission takes place via modern, wireless connections. The management of users, devices and jobs is quickly and easily realized via barcode scanner and RFID reader. The major aspects are FAST, SECURE and FREE MANIPULATION.

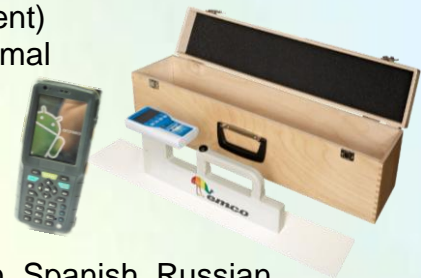
Technical data

Measuring range:
 Measuring depth:
 Operating temperature:
 Storage temperature:
 Temperature compensation:
 Resolution:
 Menu language:
 Power supply:
 Current consumption:
 Measured data storage:
 IP-code:
 Dimension (LxWxH):
 Weight of device:
 WWLAN:
 Display:
 Features:
 Scope of delivery:

Moisture meter

1 - 50 % moisture (kind dependent)
 300 mm effective, 500 mm maximal
 0 °C up to +40 °C
 -20 °C up to +80 °C
 automatic
 0.5 % moisture
 0.5 °C temperature
 English, French, German, Italian, Spanish, Russian
 LI-Ion accumulator approx.
 2000 mAh
 30 mA
 approx. 10,000 measurements
 IP 40
 620 x 100 x 150 mm³
 900 g

Data terminal



4500 mAh

IP 65
 182 x 82 x 36 mm³
 400 g
 Quadband UMTS, HSPA
 3.5 inch TFT LCD
 GPS, Bluetooth, WiFi

device in case with test plate and certificate,
 data terminal (Android 4.0) with RFID reader (LF; HF; UHF),
 barcode scanner (SE955; SE4500) and software