

emco PMM - Moisture

Paper Management - Moisture

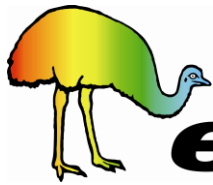
Print job-related determination of equilibrium moisture in printed products - the main way to reduce costs and achieve product quality

The *emco* PMM - Moisture as a modular part of the *emco* Paper Management is a device system for the print job-related determination of the equilibrium moisture in printed products and documentation in a database. In printing technologies such as heatset, where the moisture content of paper is extremely reduced in the dryer, the technological challenge is to set an optimum moisture level by remoistening.

The moisture content determines the nature of paper, all process properties and settings.



- Equilibrium moisture content GGF in the paper as target, actual and their deviation
- Dew point and cockling temperature for storage and transport conditions
- Monitoring of the ambient climate (temperature, humidity, air pressure)
- Recording of the weight of the printed product
- Database for process optimisation and control, documentation and knowledge acquisition
- Development of sensitivity for the nature of paper that is dependent on moisture



Knowing paper better!

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Technology connects

PMM

Construction and mode of operation

The design and mode of operation follow the demand for simple handling by the printing staff. The measurement starts automatically with the print run. The job data can be entered and verified via the user-friendly touch screen. The measured values are automatically transferred into the device's internal database or existing data management systems of the company.

The results are evaluated and a recommendation to increase or reduce rewetting is indicated by the colour coding:

- Yellow: too dry,
- Green: target achieved,
- Blue: too moist.

The robust appearance blends in with the range of pressure control stands and offers sufficient space in the lower area of the unit for storing the sample copies.

Technical data

Measuring range humidity:	1 - 100 % rH
Resolution display:	0.1 % rH
Accuracy (25 °C ± 2 K):	± 1.8 % rH in the range of 20 - 80 % rH
Hysteresis:	± 1 % rH
Range GGF:	0.1 - 10 da% rH (calculated)
Resolution display:	0.1 da% rH
Measuring range temperature:	-10 to +60 °C
Resolution display:	0.1 °C
Accuracy (25 °C):	± 0.3 K, ± 1 K in the range of -20 - 60 °C
Dew point temperature:	calculated
Cockling temperature:	calculated
Resolution display:	0.1 °C
Measuring range weight:	0 – 2000 g
Resolution display:	0.01 g
Reproducibility:	0.01 g
Operating temperature:	10 to 40 °C
Storage temperature:	0 to 40 °C
Power supply:	220 V
Dimension:	80 x 60 x 170 cm ³
Weight:	approx. 55 kg