



## humimeter paper moisture meter series

for the determination of absolute water content at the roll with high measuring depth

**PM3** for receiving inspection of processors like printing presses, corrugated board fabricators and paper suppliers

**PM4** for producers like paper mills with infrared temperature measurement for measurements on warm running rolls as well as for receiving inspection on cool rolls



### PM3 paper moisture meter

- Quick and very accurate measurement due to non-destructive measuring method
- Ideal for searching humid streaks
- Very easy to operate
- Handy, precise, applicable everywhere
- Menus are in English, German, Italian, French, Spanish and Russian
- Incl. plastic case, proof plate, rubber protection cover and batteries

### PM4 paper moisture meter

In addition to all the functions of the **PM3**, the **PM4** offers:

- Infrared paperweb temperature measurement
- **humimeter** USB data interface module with LogMemorizer software for PC incl. USB cable
- Rechargeable batteries
- Exact determination of the roll temperature
- Precise measurement values due to temperature compensation based on non-contact temperature measurement
- Easy evaluation of measuring data on PC and printer
- Optimal documentation of your quality



[www.humimeter.com](http://www.humimeter.com)

**technical data**

**Relative equilibrium moisture content and absolute material moisture.**

The relative equilibrium moisture content of a material indicates the relative moisture of ambient air equilibrating the material. At that moisture level the material does not absorb or release any moisture.

The absolute material moisture (water content) indicates the percentage of water content of a material referred to its total weight (measurement of paper, grain etc.) resp. referred to its dry mass (measurement of wood).

Almost every material in our surroundings is hygroscopic. This means that the material soaks up moisture from the surroundings or sets it free.

**To avoid very costly mistakes due to incorrect moisture levels it is necessary to check the moisture of a material in the manufacturing and treatment process in order to be able to take suitable measures in time.**

Due to its longstanding experience in this field and constant research, **Messtechnik Schaller GmbH** has attained the **highest quality** in the development and production of air humidity and material moisture meters for **professional applications**. Our main areas are: **climate, environment, food, bioenergy, buildings, paper, board and various other materials.**

More than **40,000** customer-specific solutions have been designed and produced for **industry, universities and research institutions** all over the world.

Our technicians provide reliable support and are available to answer your questions.



**humimeter PM3  
paper moisture meter**

**for determining absolute water content at the roll with high measuring depth**

**article no.: 12331**

- Measuring range: 1 to 25 % water content, dependent on the type
- Resolution: 0.1 % water content
- Measuring depth: 50 mm
- Paper temperature: 0 to +60 °C / 32 to 140 °F
- Temperature can be set to °C or °F as required
- Automatic temperature compensation
- Measurement within seconds without prior treatment of samples
- Hold function and automatic datalog
- Manual saving of results, datalog for 10.000 logs with measuring point report
- Large, well-lit LC display
- Incl. plastic case, proof plate, rubber protection cover and batteries
- *Optional: humimeter USB data interface module with LogMemorizer software for PC incl. USB cable*

**humimeter PM4  
paper moisture meter**

**article no.: 12461**

**In addition to all the functions of the PM3, the PM4 offers:**

- Non-contact infrared temperature measurement  
-25 to +125 °C / -13 to 257 °F
- Paper temperature for determination of water content  
0 to +80 °C / 32 to 176 °F
- Incl. humimeter USB data interface module with LogMemorizer software for PC incl. USB cable
- Rechargeable batteries
- Customer calibration function for special products

**Know how obtained through decades of research and development!**

Visit us on the World Wide Web at [www.checkline.com](http://www.checkline.com)

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