



## **PMCS - traversing** online paper-moisture measurement



### **Your benefits:**

- Due to the fact that the sensor is portable, it is possible to measure the moisture-characteristics cross- and lengthwise of the paper roll.
- Compact device design, ideal for installations in existing constructions
- Rolls bring the paper or paperboard close to the non-contact sensor
- Incoming goods inspection of paper
- Special developed PC-measuring-data-recording-software

### **PMCS - traversing**

#### **Online paper-moisture measurement**

A new revolutionary powerful moisture measurement using innovative sensor technology.

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



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

**technical data:**

**Preface about the PMCS- traversing**

The measuring system PMCS allows an online moisture measurement of paper and paperboard. A measuring slide with the mounted measuring sensors moves on a carrier section across the paper web. It is possible to react on customers request, if there are different sensors to ascertain different measuring sizes (absolute paper moisture, relative humidity, paper temperature..) needed.

A PLC with colored touchscreen calculates the measured data, controls the measuring slide and shows that on a display. The PLC has several interfaces, these interfaces allow a connection to another PC or other machines.

A specially programmed software visualize the measured data in a 2D and/or 3D profile. The PC Software is easy in use and saves the measured data automatically in a database. After that the measured data could be analyzed.

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, foods, bioenergy, buildings, paper, board** and **various other materials**.

More than 40 000 customer-specific solutions have been designed and produced for industry and university institutions.

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

# PMCS-traversing

## Online paper-moisture measurement

**Absolute moisture measurement:**

- Measurement range: 3 to 20% moisture
- Measurement system: dielectric
- Grammage range: 80 to 1200 g/m<sup>2</sup> (lower/higher on inquiry)
- Paper temperature: 10 to 45°C (higher on inquiry) or 50 to 113 °F (higher on inquiry)
- Ambient temperature: 10 to 45°C (higher on inquiry) or 50 to 113 °F (higher on inquiry)

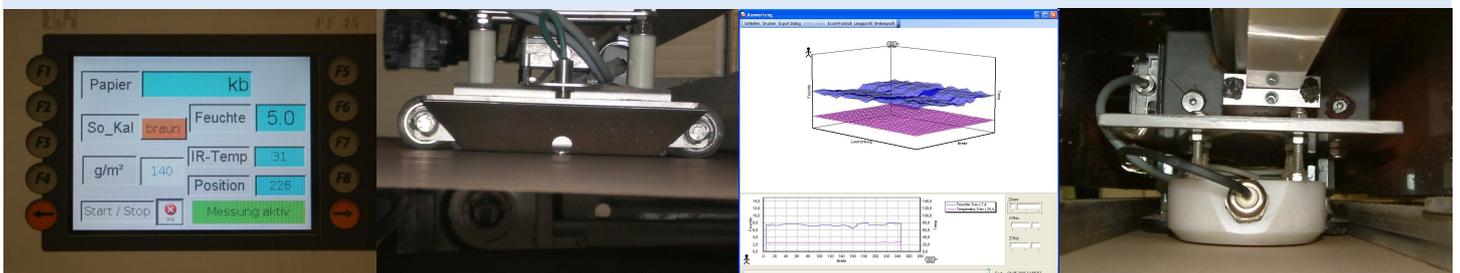
**Relative moisture measurement:**

- Measurement range: 0 to 100% r.h.
- Ambient temperature: 10 to 45°C (higher on inquiry) or 50 to 113 °F (higher on inquiry)

**Paper temperature measurement**

- Measurement range: 0 to 200°C or 32 to 392°F
- Measurement system: infrared (non-contact)
- Ambient temperature: 10 to 45 °C (higher on inquiry) or 50 to 113 °F (higher on inquiry)

## Know-how obtained through decades of research and development!



A wide range of other instruments and external sensors can be found at [www.humimeter.com](http://www.humimeter.com)

