1295 Morningside Avenue, Unit 16-18
Scarborough, ON M1B 4Z4 Canada
Phone: 416-261-4865 Fax: 416-261-7879
www.scigiene.com

Paper / Board

Humimeter PM5

Paper moisture meter for determination of absolute water content at the roll for paper manufacturers, paper processors and paper retailers

Quick - accurate – non-destructive - handy – simple handling

- Optimize maintenance times by detecting eventual moisture streaks in time!
- React to moisture variations quickly!
- Avoid manufacturing problems due to elongation and shrinkage!
- Check your products before shipping!
- Optimize your drying costs!
- Avoid flatness problems due to wave formation!
- Use a non-destructive measuring method!

8,0 °F | 6,16% | 456 kg/m³ | -27,3 td | 0,64 aw | 51,9 %r.H. | 14,8 %abs | 100,4 g/m² | 09 m/s | 4,90 Ugl | 163 ym | 23,2 °C | 78,8 °F | 6,21% |424 kg/

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Humimeter PM5

Handheld moisture meter with non-contact infrared paper temperature measurement for determining the absolute water content of paper and board at rotating as well as at stagnant rolls

Features:

- Quick and non-destructive measurement
- Measuring range 1% to 25% absolute water content, dependent on paper type
- Measuring depth: 50 mm
- 22 standard calibration curves (extendable)
- Resolution: 0.1% water content
- Paper temperature: 0 to +80 °C / 32 to 176 °F
- Non-contact infrared paper temperature measurement, automatic temperature compensation
- Temperature can be set to °C or °F as required
- Hold function, Auto datalog function
- Scope of supply: Humimeter PM5, Humimeter USB data interface module with LogMemorizer measuring data recording and analyzing software on USB flash drive, rechargeable battery, plastic case with proof plate
- Optional: portable thermo printer
- Part # HM-13800

Measuring procedure:

Switch on the instrument, select the right calibration curve (dependent on the paper density) and press the sensor bars of the instrument against the long side of the roll. The illuminated display immediately shows the measuring value. For an average moisture content reading or to identify sections on the roll that are too moist or dry, simply move the device along the entire length of the roll. The Humimeter PM5 offers a data memory for up to 10,000 measuring values as well as the possibility to enter additional data such as batch number. Via the USB interface, the measurement values can be transferred to a PC and via LogMemorizer® PC software the data can be archived, exported, processed or printed out.

Accredited test laboratory:

Our test laboratory conforms to the requirements of the globally valid standard EN ISO/IEC17025:2007. In 2017, the laboratory has been certified for the determination of water content according to EN ISO 287: Paper and board - Determination of moisture content of a lot - Oven drying method. The requirements necessary for obtaining and preserving the accreditation ensure maximum testing quality. Among others, the requirements include highest technical competence, a sophisticated and constantly improved quality management system and a complete documentation.

Climate / Environment

Foods

Bioenergy

Material

Buildings

Paper / Board