

MWF 5000 LM

Laboratory Station for Quick Moisture Measurement of Test Samples, Wood Fibres and Chips

For the production of PARTICLE, MDF, HDF and OSB boards, the moisture content of loose fibres, chips and finished panels is an important quality feature. Usually, the moisture must not exceed a certain limit because escaping steam might cause big problems in later processes.

For the quality control of chips/fibres, the measuring bowl is filled with the material to be measured. To control the quality of finished panels, a test sample of 50 x 50 mm is placed in the measuring bowl. The usual reference is the oven drying method (100 °C to 106 °C, 24 h).

In contrast to usual quick measuring methods, the integral panel moisture is measured within 1 second. The measured values can be output via an USB interface.



Your advantages:

- Integral moisture (core moisture)
- short measuring time of about 1 second
- independent of the panel thickness with only one calibration
- variable sample thicknesses up to 40 mm
- Measuring accuracy: $\pm 0.15\%$ for panels and $\pm 0.4\%$ for chips and fibres (plus repeating accuracy of the reference method)

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