

Moisture MW Module

Valmet Paper Lab

Sample moisture has an effect especially on the strength properties of paper and board.

Moisture module uses microwave technology to determine the moisture percentage in paper and board samples. At the frequency range 2–30 GHz microwaves are much more strongly absorbed by free water than by any other substances in paper. This technology is insensitive to sheet composition, freeness changes, moisture stratification and contaminants from recycled furnish.

The module gives accurate, stable moisture results. Basis weight information is needed for operation.

Related standards: TAPPI T412, ASTM D644, ISO 287, CPPA G.3, APPITA P401, JIS P 8127.



Technical data	
Size (cells)	4
Weight	upper module 4.2 kg (9.3 lbs) lower module 5.5 kg (12.1 lbs)
Measuring range (BW 25–600 g/m ²)	3–15 % moisture
Measuring area dimensions	oval, 88 x 70 mm

Benefits for the papermaker

Fast, reliable, automated measurement

Profile measurement

Moisture compensation

Dry basis weight calculation

Assurance of sample moisture conditions for other measurements

