

Caliper module

Valmet Paper Lab

The caliper module measures the thickness (caliper) of paper and board and reports the result in micrometers (μm).

The sample is clamped between a freely floating measurement head and a backing, and sample thickness is determined. Backing diameter and clamping pressure are dependent on the selected standard.

Measurement according to standards: ISO 534, TAPPI T411, JIS P8118, DIN EN 20534, SCAN.P 7:96. Related standards: APPITA P426, BS 3983, CPPA D.4



Benefits for the papermaker

Fast and accurate measurement of paper thickness

Possible to measure 20 mm resolution profile

Module available in three different standards

Measuring range up to 650 μm

Technical data

Size (cells)	1
Weight	upper module 4.5 kg (9.9 lbs) lower module 2.0 kg (4.4 lbs)
Measuring range	
- Caliper [μm]	20–650
- Caliper [mil]	0.79–25.6
Backing diameter	
- ISO, TAPPI	16 mm (0.63")
- JIS	14.3 mm (0.56")
Clamping pressure	
- ISO	100 kPa (14.5 psi)
- TAPPI	50 kPa (7.3 psi)
- JIS	53.9 kPa (7.8 psi)

