

UV Color module

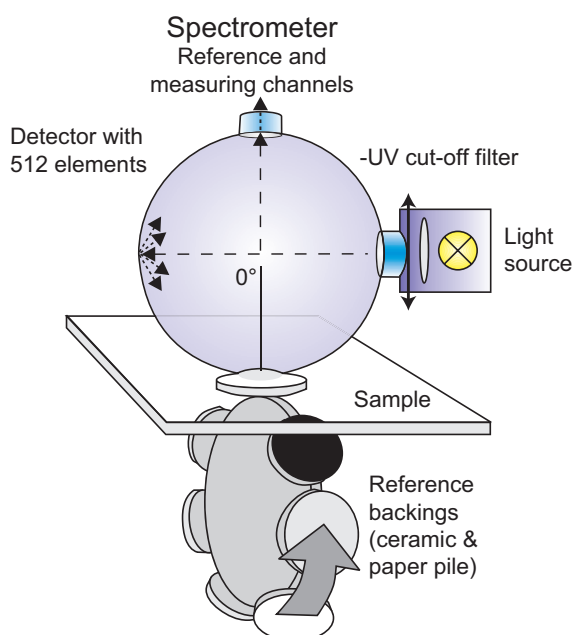
Valmet Paper Lab

The UV Color module measures typical optical properties of paper and board, for example brightness, color, whiteness, etc.

The module uses diffuse illumination from a Xenon lamp and measurement takes place perpendicular to the sample surface. The measurement is made with and without UV light.

When measuring low opacity papers or grades containing optical brightener, paper pile backings are recommended.

When paper & board pile backings are used, measurement according to standards ISO 18522, ISO 2469, ISO 2470, ISO 2471, ISO 5631, ISO 9416, ISO 11475, ISO 11476, DIN 53140, DIN 53145, DIN 53146, DIN 53147, DIN 54500, JIS P 8148, JIS P 8149, TAPPI T519, TAPPI T525, TAPPI T527, TAPPI T560.



Benefits for the papermaker

- Measurement with and without UV-illumination
- Fast measurement of optical properties
- Suitable for all paper and board grades
- Two modules can simultaneously measure both sides of paper sample
- Spectrophotometric measuring principle
- Standard paper pile backing (cut manually)

Technical data

Size (cells)	6
Weight	measuring unit 9 kg (19.8 lbs)
	reference unit 7.5 kg (16.5 lbs)
Measuring range	
- X,Y,Z	0.1–200%
- Brightness	10–200%
- Opacity	60–100% (with paper pipe backings no opacity limitation)
Examples of reported properties:	
tristimulus X,Y,Z; Hunter L,a,b; CIE L*,a*,b*; color coordinates x,y,z; excitation purity; dominant wavelength; print opacity; TAPPI brightness & opacity (contrast opacity); CIE whiteness; ISO brightness; yellowness 1 & 2; light transmittance, transparency; Rx,Ry,Rz	

For more information, contact your local Valmet office. www.valmet.com

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