

Spectrophotometer for Paper

PF 10R



This is spectrophotometer for paper in accordance with not only ISO 2470 and JIS P 8148 : paper, board and pulps Measurement of diffuse blue reflectance factor (ISO brightness) but also ISO 2471 and JIS P 8149 : Paper and board Determination of opacity (paper backing) Diffuse reflectance method. It is possible to measure color, whiteness, fluorescence intensity and opacity. The samples are not only paper but also slurry, liquid, powder, and pellet. You can analyze the data by using color management software.



Features

1. Adopt the Pulse Xenon lamp for light source and possible to adjust the amount of ultraviolet light.
2. The measurement in accordance with not only ISO 2470 and JIS P 8148 : paper, board and pulps Measurement of diffuse blue reflectance factor (ISO brightness) but also ISO 2471 and JIS P 8149 : Paper and board Determination of opacity (paper backing) Diffuse reflectance method is possible.
3. Not only the measurement of color, whiteness and yellowness for paper, but also slurry, liquid, powder, and pellet is possible.
4. Possible to measure the fluorescence intensity by insert UV cut filter automatically.
5. Possible to analyze the data value by using color management software.

Specifications

Dimensions	W 350mm x D270mm x H480mm	Measuring area	30mm ϕ
Weight	Appox 17kg	Measuring range	400nm to 700nm, at 10nm interval
Power supply	100V AC, 50 / 60Hz	Illumination & light receiving condition	Diffused illumination de : 8° , Vertical light receiving
Light source	Pulse Xenon lamp	Related standards	JIS P 8138, JIS P 8148, ISO 2470, ISO 2471
Measuring items	L*a*b*, Δ L*a*b*, Δ E*, Lab, Δ Lab, Δ E, XYZ, Yxy, YI, BRT, W, W10, TW, TW10, WB, WH, HVC, L*c*h*, Δ L*c*h*, Lch, Spectral reflection rate, Spectral curve, Polarized color criterion chart, fluorescence intensity, and etc.	Measurement accuracy	Reproductivity of color difference (Δ E*)using a white reference plate (standard deviation) Color difference (Δ E*) : 0.02 or less
		Option	<ul style="list-style-type: none"> • Color management software (Color Mate 5) • RS-232C interface cable, etc.