

Spectrophotometer for Paper

PF 10



This is a spectro-photometric colormeter which has been developed along with the establishment of JIS P 8148 "Whiteness Test Method for Paper and Paper Board by Diffused Lightning method (ISO Brightness)", and conforms to the characteristic B of this standard. In addition, various types of whiteness, color difference, fluorescence intensity and opacity can be measured.



Features

1. Pulse Xenon lamp with highly stable long service-life is used as a light source. Energy of illuminating light at ultraviolet area, which causes a problem when measuring samples containing fluorescence whiting agent, can be adjusted accordingly.
2. At the time of shipment from the factory, scaling has been performed using the STFI fluorescence standard paper.

Specifications

Dimensions	W 370mm x D 450mm x H 410mm	Measuring range	400nm to 700nm, output wavelength at 10nm interval
Power supply	100V AC, 50 / 60Hz	Illumination & light receiving condition	de : 8° , Vertical light receiving
Power consumption	200W	Related standards	JIS P 8138, JIS P 8148, ISO 2470, ISO 2471
Light source	Pulse Xenon lamp	Measurement accuracy	• ΔE^* : Standard deviation within 0.02 measurements are made against a standard white plate, and repeatability is checked.
Measuring items	Spectral reflectance, Spectral curve, Color deviation criterion chart, XYZ, Lab, ΔLab , $L^*a^*b^*$, $\Delta L^*a^*b^*$, ΔE^* , ΔE^* , ΔYI , ΔYI , WH, ΔWH , WB, ΔWB , BR, ΔBR , LCh, ΔLCH , $L^*C^*h^*$, $\Delta L^*C^*h^*$, Y_{xy} , HVC	Option	• Color management software (Color Mate 5) • RS-232C interface cable
Measuring area	30mm ϕ		

※ This instrument is traceable to the standard of Japan Color Research Institute (JCRI).