

GlasSpec1000

Spectrum Transmittance and Reflectance Measuring Instrument for Insulating Glass

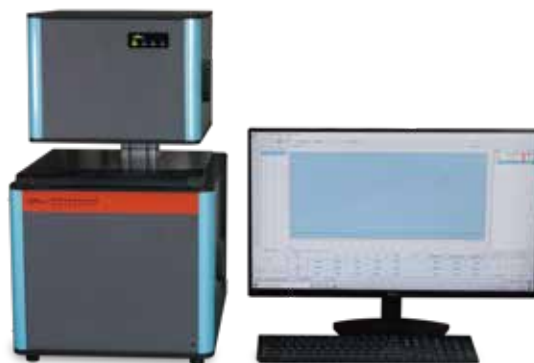
Specified instruments to measure Visible and NIR spectrum for IG.

Standard: ISO 9050 Glass in building; determination of light transmittance, solar direct transmittance, total solar energy transmittance and ultraviolet transmittance, and related glazing factors.

Wavelength range 380 ~1000nm

Directly measure IG

Single-pane value can be calculated



Brief

GlasSpec1000 is used to measure spectrum transmittance and spectrum reflectance. The instrument not only can measure the optical parameters of single pane, but also can directly measure IG to meet the needs of manufacturers and quality inspection institutions.

GlasSpec1000 can measure the overall direct spectrum transmittance and spectrum reflectance without destroying IG structure. With special software function, we can directly obtain the color parameters of single-pane glass.

Functions

Spectrum transmittance $\tau(\lambda)$, Spectrum reflectance $\rho(\lambda)$.

Visible transmittance (τ_v), Visible reflectance (ρ_v).

Color coordinates (Y_{xy} , $L^*a^*b^*$), color difference (ΔE).

Parameters

Item	Parameters	Item	Parameters
Geometric conditions	8°/8°	Wavelength range	380~1000nm
Light source	Halogen	T / R Range	0~100%
Interface mode	RJ45	Wavelength resolution(FWHM)	3~5nm
Glass thickness	< 45mm	Wavelength accuracy	0.3nm
Sample size	Min:50*50mm, Max: 220mm from the edge	Measuring table size	400*410mm
Dimension	500*400*700mm		
Power supply	100~240VAC,50/60Hz,150W		
Measuring speed	≤ 5s for full spectrum measurement (T/Rg/Rf)		
Weight	45kg		

Remark: Aoptek reserves the right to modify the information, the actual instrument & manual be as final.