

Filmonitor6200

Spectrum Reflectance Online Measurement System

Online traversing measure spectrum reflectance of Low-E glass for CVD line.



Brief

The Filmonitor6200 is used to measure spectrum reflectance of Low-E glass, which can measure the reflectance of clear side or coated side. It can be installed at the continuous ribbon area after annealing, to measure transversal spectrum reflectance and color difference in traversing mode. As Low-E coating is more complex, it appears different color at different angles, such as at 45°. So it is necessary to measure the spectrum reflectance at 45° for Low-E glass. We call this function is off-angle spectrum reflectance measurement, and this function is an option for Filmonitor6200.

This Filmonitor6200 is consist of measuring unit, onsite control box, control computer, onsite network, and software. The computer is connected with control box through a network. Under the control of the computer, the head can measure transversal spectrum reflectance at any position in scanning mode, as well as transversal color difference at multi-points, longitudinal uniformity of glass. The software include functional modules of self-checking, calibration, measurement, data processing, display, print, and data saving, etc.

Parameters

Item	Parameters	Item	Parameters
Geometric conditions	8°/8° 45°/45°(Optional)	Wavelength range	380~1000nm
Head mode	Traversing	Wavelength interval	5nm
Light source	Halogen	Wavelength accuracy	< 0.3nm
Glass thickness	2~19mm	Wavelength repeatability	< 0.1nm
Measuring speed	~1s		
Repeatability	L *,a *,b * < 0.1 RMS		
Reproducibility	L *,a *,b * < 0.1RMS		

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