Filmonitor6300
Spectrum T&R Online Measurement System

Online traversing measure spectrum transmittance and reflectance for PVD line.

Brief

The Filmonitor6300 is installed at unloading table to measure transmittance, reflectance, and color difference of Low-E coated glass. As double and triple silver Low-E coatings are more complex, they are apt to appear color difference at other angles, such as 45° or 60°. So it is necessary to measure the spectrum reflectance at 45°or 60° for double or triple silver Low-E glass. We call this function is off-angle spectrum reflectance measurement, and this function is an option for Filmonitor6300.

Features

- Network connection, flexible configuration.
- Auto dynamic calibration.
- Self-checking function, accident alarm and record.
- Independent software to facilitate upgrade.

Parameters

Item	Parameters	Item	Parameters
Geometric condition	8° / 8° Transmittance(T) 8° / 8° Film Side Reflectance(Rf) 8° / 8° Glass Side Reflectance(Rg) 45°/45° or 60°/60° Rf (Optional) 45°/45° or 60°/60° Rg (Optional) Sheet resistance (Optional)	Head mode	Traversing
		Light source	Halogen / LED
		Glass thickness	2~19mm
		Wavelength range	380~1000nm
		Wavelength interval	1nm
Wavelength accuracy	< 0.3mm	Wavelength repeatability	< 0.1mm
Repeatbility	L *, a *, b * < 0.1RMS	Reproducibility	L *, a *, b * < 0.1RMS
Measuring speed	≤ 1s for one point measurement	Measure 24 points on 2.54m production line, measuring time less than 20s.	
		Measure 33 points on 3.3m production line, measuring time less than 25s.	

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