

# Surface Stress Meter

## FSM-6000LEUV Standard / Premium



The FSM-6000LE series is developed for measuring the surface stress of glass using a PC.

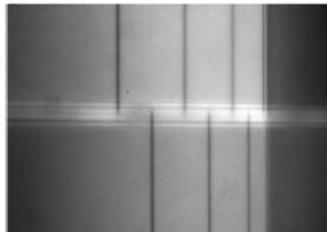
Chemical and thermal tempering is increasing the areas of glass application in most of industries.

The optical waveguide effect in the surface layer of tempered glass is a useful tool for measuring surface stress for quality and process control purpose.

Convenient to measure DOL <math>\lt; 10\mu\text{m}</math>



Wavelength: 596nm



Wavelength: 365nm

The measurement algorithm is different Between the case of less than 3 fringes And the case of more fringes.

Both data is not connected straightly.

Using short wavelength, fringe number increase. It brings straight data.

- o Output measurement data
- o Measure the double ion exchange glass
- o Display of cross section stress distribution
- o Able to choose from the two types of software (FsmV Standard or Premium)

### Optional devise for Standard / Premium

- o Measure glass thickness automatically using glass Thickness Meter
- o Auto dispenser FSM-DP01

### Premium

- o Judge OK/NG
- o Continuous measurement using attached
- o One-touch switch

\* Please see the each catalogue for the details

### Specification

Range	: Stress 0-1000Mpa	Accuracy: $\pm 20\text{Mpa}$
Depth	: 5-50 $\mu\text{m}$	
Light source	: LED 365 $\pm 10\text{nm}$	
Sample	: chemical tempered glass, thermal tempered glass	
Sample size	: flat over 10 $\times$ 10mm	
OS	: Windows 7	Software : FsmV Standard/Premium
Size	: 280 $\times$ 600 $\times$ 220mm(head), 360 $\times$ 175 $\times$ 420mm(PC), 170 $\times$ 390 $\times$ 370mm(monitor)	
Weight	: 14kg(head), 9.4kg(PC), 3kg(monitor)	

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