

Surface Stress Meter FSM-6000LEIR Standard / Premium

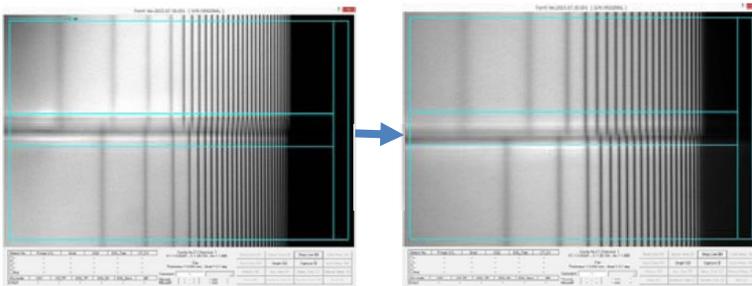


The FSM-6000LE series is developed for measuring the surface stress of glass using a PC.

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.

This type uses infrared rays light (IR), and It can measure double IOX having the deep depth.

The change of fringes number by using IR light

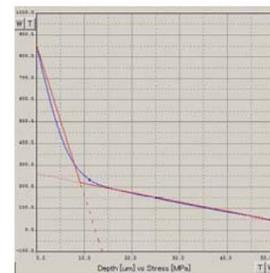


Visible light

IR light

* Double ion exchange glass

Display of stress distribution*



*Cross sectional stress distribution

- o Measure the double ion exchange glass
- o Display of cross section stress distribution
- o Output measurement data

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

*Upgrade software to the latest version is available. However, the exchanging to the IR LED and the IR cameras, etc is necessary.

* Please refer for the details..

Specification

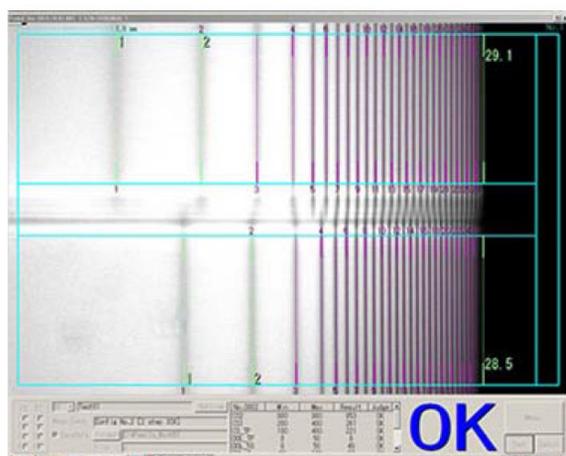
Range	: Stress 0-1000Mpa Depth 10-200μm
Accuracy	: ±20Mpa
Light source	: LED 790±10nm
Sample	: chemical tempered glass, thermal tempered glass
Sample size	: flat over 10 × 10mm
OS	: Windows 10
Software	: FsmV
Size	: 280 × 600 × 220mm(head), 360 × 102 × 410mm(PC), 250 × 400 × 400(monitor)
Weight	: 14kg(head), 7.9kg(PC), 3kg(monitor)

Software FsmV for FSM-6000LEIR

This software is installed in attached PC as special software for FSM-6000LE IR. We prepared two kinds of software, one is “Standard”, and another is “Premium”. These have more convenient function as compared to the older version.

Standard / Premium

- Measure the double ion exchange glass.
- Display of cross section stress distribution.
- Measure glass thickness automatically using Glass Thickness Meter.



Judgment screen (Full)

Premium

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



Sequence measurement
One-touch switch



Judgment screen (Partial)



Dialog box of the condition inputting.

Function table

Function	Software FsmV	
	Standard	Premium
Judgment	x	○
One-touch switch	x	○
Single IOX (Normal) measurement	○	○
Double IOX measurement	○	○
Cross sectional stress distribution	○	○
Supported OS *1	After Win7	After Win7

*Upgrade software to the latest version is available.

However, the remodeling to the IR LED and the IR camera is necessary.

*1 Win XP doesn't correspond.

The software may be updated without a notice.

Please refer for the details..



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