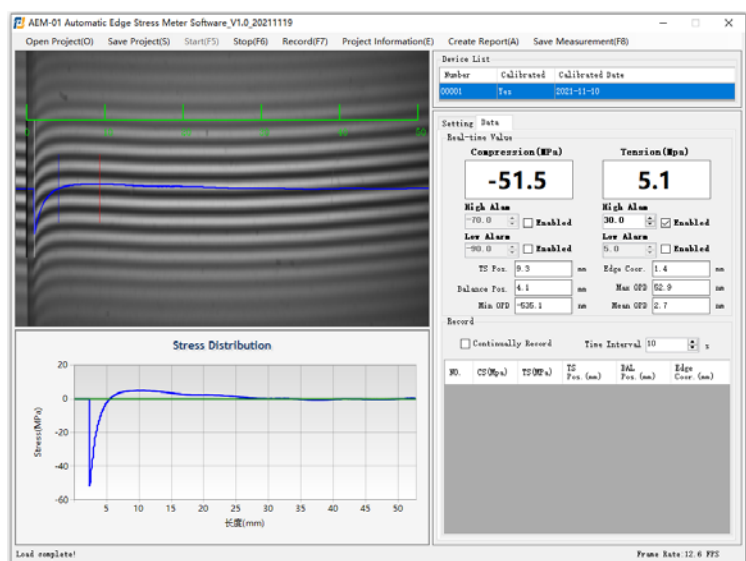


AEM-01 Automatic Edge Stress Meter

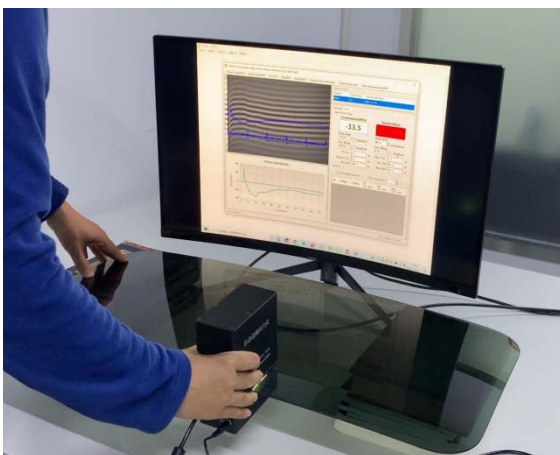
The AEM-01 Automatic Edge Stress Meter adopts photo elastic principle to measure edge stress of glass according to ASTM C 1279-13. The meter can be applied to laminated glass, annealed glass, heat-strengthened glass and tempered glass. The glass that can be measured is from clear glass to **tinted glass (vg10, pg10)**. Painted glass after polished with sandpaper can also be measured. The meter can measure Architectural glass, Automotive glass(windshield, sidelite, backlite and sunroof)and solar patterned glass.



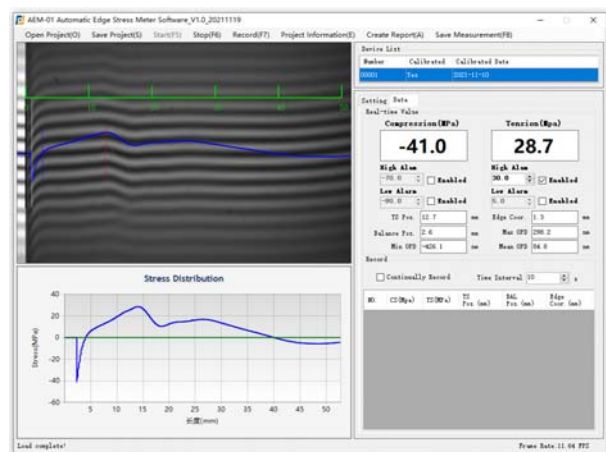
Probe



PC Software Interface



Operation



Tinted Sunroof Glass

The automatic edge stress meter can measure the stress distribution (from compression to tension) at one time with the speed about 12Hz and the results are accurate and stable all the transmittance range with Jeffoptics' patented technology. It can meet the requirements of rapid and comprehensive measurement and test in factory

production. With feature of small size, compact structure and easy to use, the meter is also suitable for quality control, spot check and other requirements.

Features	Applications	Measurement parameters
Portable	Architectural glass	Max compression
Accurate	Windshield	Max tension
Fast	Sidelite	Position of max tension
real-time	Backlite	Position of zero stress
all-in-view	Sunroof	
auto-alarm	Solar patterned glass	
auto-record		

Specification

Sample thickness	14mm
Measurement range	$\pm 150\text{MPa}@4\text{mm}$, $\pm 100\text{MPa}@6\text{mm}$, $\pm 1600\text{nm}$ or customized
Resolution	1nm or 0.1MPa
Calculating rate	12 Hz
Sample transmittance	4% or less
Measure length	50 mm
Calibration	Wave plate
Operation system	Windows 7/10 64bit

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