

# Scattered Light Photoelastic Stress Meter

**Model: SLP-1000**

**Price JPY4,000,000-**

This machine is available to measure stress distribution of chemically tempered glass which is strengthened by ion-exchange from Li<sup>+</sup> to Na<sup>+</sup> using scattered light photoelasticity. In case of that the glass is strengthened by mixed liquid KNO<sub>3</sub> and NaNO<sub>3</sub>, K<sup>+</sup> layer should be measured by FSM-6000LE and Na<sup>+</sup> layer should be measured by SLP-1000. These data can be combined by special software.



- ❖ Don't depend on refractive index distribution
  - ❖ Available for bent glass
  - ❖ High resolution  
(Laser diameter: about 10um)
  - ❖ Measurement data from SLP can be combined with one of FSM
- \* The combination requires optional FsmV dongle.

## Specification

|                      |   |
|----------------------|---|
| Measurement range    | : CS 0-2000MPa, DOL 10-400um  |
| Measurement accuracy | : CS ±20Mpa, DOL 5um  |
| Light source         | : LD (Wavelength 640nm) 30mw Class 3B                               |
| Application          | : Chemically tempered glass, DIOX glass<br>Thermally tempered glass |
| Sample shape         | : Flat-1000R 10x10mm or more  |
| Prism                | : nD=1.52   |
| PC                   | : Preinstalled OS, special software                                 |
| OS                   | : Windows 10 professional edition                                   |
| Size (main body)     | : W320xD280xH220mm  |
| Weight (main body)   | : 10kg  |

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