

Scattered and Refractive Polarimeter

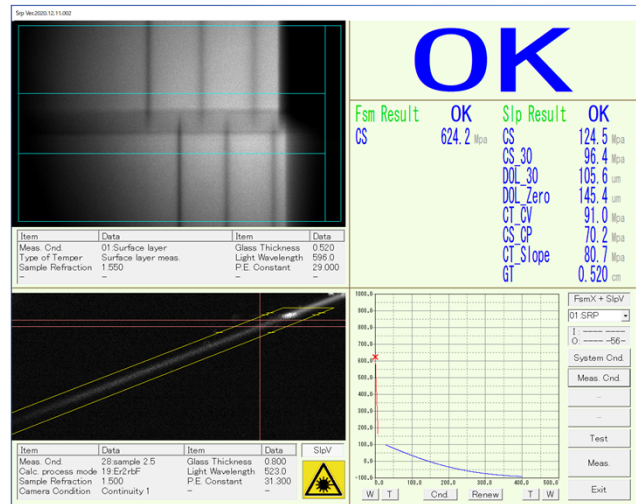
Model: SRP-1000

Price JPY6,000,000

3 Seconds Measurement



This machine is available to measure stress distribution of 2 step IOX glass (Li+↔Na+ and K+↔Na+) using optical waveguide effect and scattered light at the same time. It is useful for quality control because it judges OK/NG based on a criteria.



Specification

	SLP	FSM
Range (Stress)	0-2000MPa	0-1000MPa
Range (Depth)	10-600um	10-100um
Resolution (Stress)	5MPa	1MPa
Resolution (Depth)	5um	0.1um
Precision (Stress)	±10MPa (depth at 50 um or deeper)	±20MPa
Precision (Depth)	±10um (depth at 50 um or deeper)	±5um
For standard glass		
Light Source	LD (any one of 405/518/640nm) *	LED (any one of 365/596/790nm)
Prism Refraction	1.518 @518nm	1.72 @589.3nm
COMMON		
Application	2 step IOX glass, Ceramic glass	
Sample	Flat, 100x20mm or more over	
PC	OS, Measurement software installed	
OS	Windows 10 pro 64bit English/Japanese	
Size	W550*D440*H220mm (main body)	
Weight	20kg (main body)	

* 405nm LD takes replacing parts earlier in comparison to other LD, since it causes damage to optical parts in the machine.

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