

# Semiauto Senarmont

## LSM-3002



## Semiautomatically

Semiauto Senarmont LSM-3002 is the instrument for visualizing strain in transparent medium and measuring its degree.

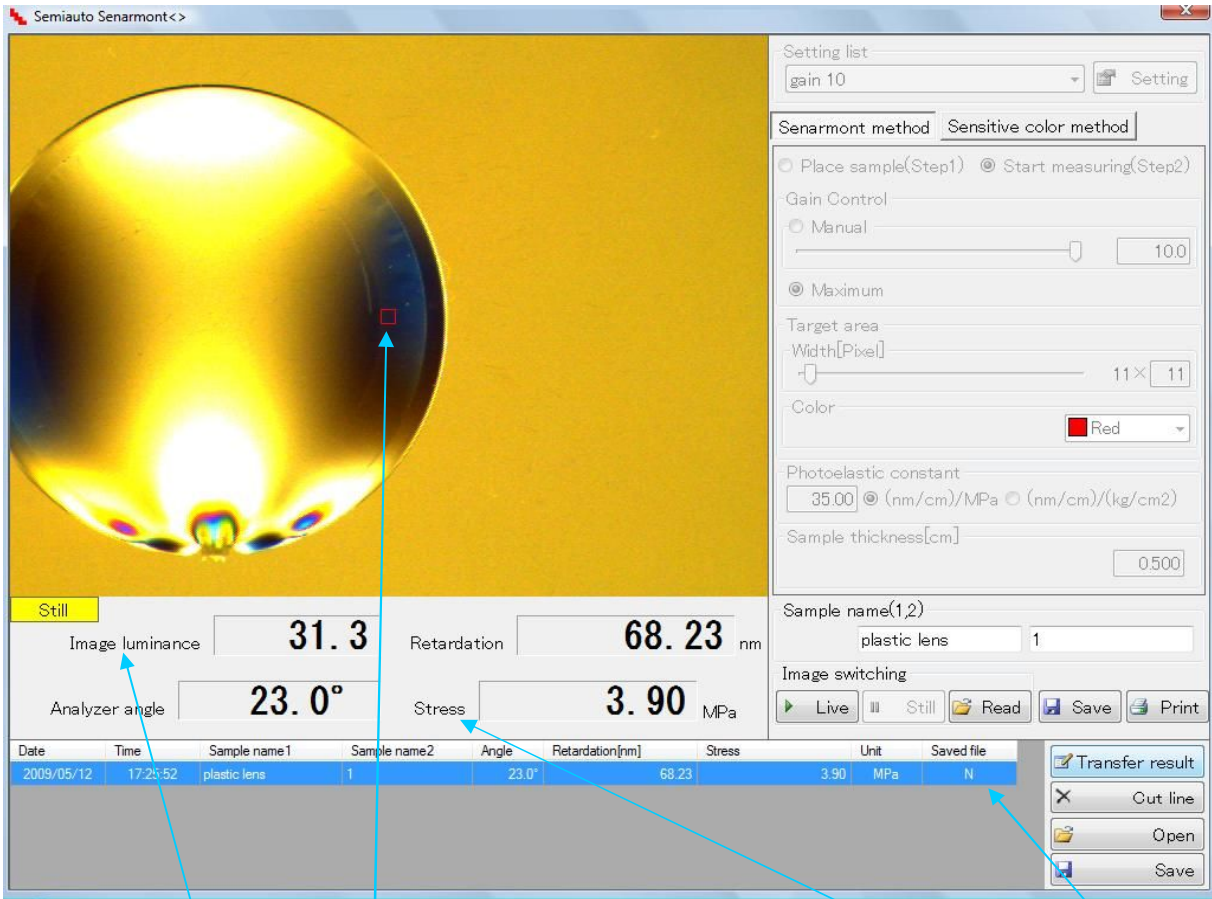
This product displays the image brightness amount in figures on the monitor, and accordingly it simplifies looking for Analyzer rotated angle where the target area blacken to the maximum. This system reduces the measurement error caused by an operator.

It also has Sensitive color method, so it is available to confirm the direction of the stress.

It is available to record the measurement data and image since it is connected to PC.



# Measurement Image



Rotate Analyzer to the least degree of image luminance at the measuring operation.

Changeable the size of target area to the minimum size 10 x 10 pixel

Indicate the stress by inputting "Photoelastic constant" and "Sample thickness"

Make the measurement data list by clicking "Transfer result", and it allow to be saved as csv file.

## Features

- Reduce measurement error caused by an operator
- Calculate the degree of glass stress by being entered photoelastic constant and optical path in advance.
- Make report easily by saving data and image in PC.
- Change the monitor magnification from about x 1 to x 24 (Using 15.4 inches, 1280 × 800 dot LCD monitor)

## Apprication

- Strain Inspection for glass
- Strain Inspection for plastics
- Measurement of the retardation of optical film ...etc

## LSM-3002 Specification

Size (main body)	W210×D310×H730mm
Weight (main body)	14kg
Inspection method	Sensitive Color Method, Senarmont Method
Accuracy (standard deviation)	±About 1.5nm (Analyzer rotated angle±0.5°)
Resolution	About 1.5nm (Analyzer rotated angle±0.5°)
Determining area	Max. 150×132mm / Min. 6.9×5.2mm
Light source	Halogen lamp 50W
Power source	AC100~240V、50 / 60Hz
PC OS	Windows XP / Windows Vista

Luceo co., ltd.



<http://www.luceo.co.jp/>

30-9, Ohyamakanai-cho, Itabashi-ku, Tokyo, 173-0024 Japan  
 TEL.+81-3-3956-4111 FAX.+81-3-3956-2335